# 🕰 Unilamp

# LED LUMINAIRES

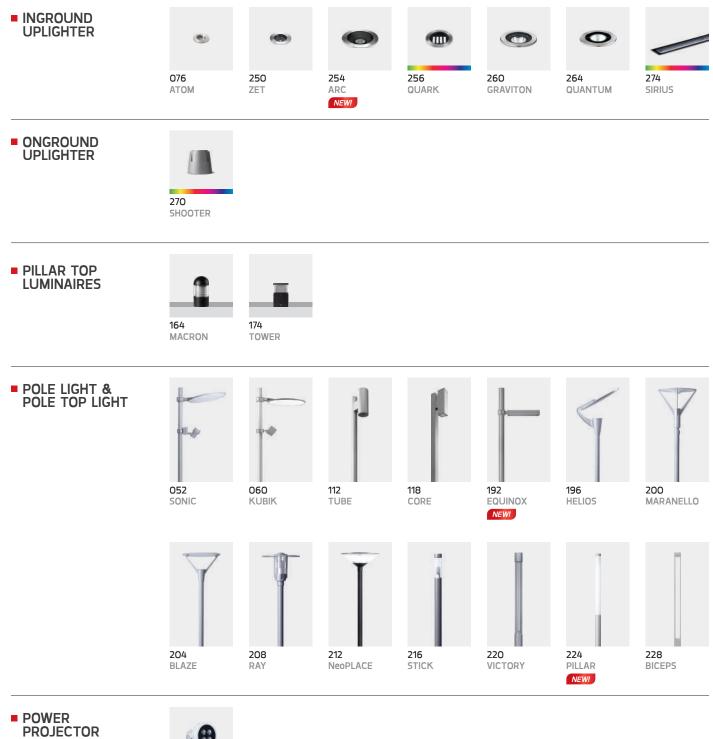
## **A** Unilamp

LED LUMINAIRES 2022/2023



Onilamp

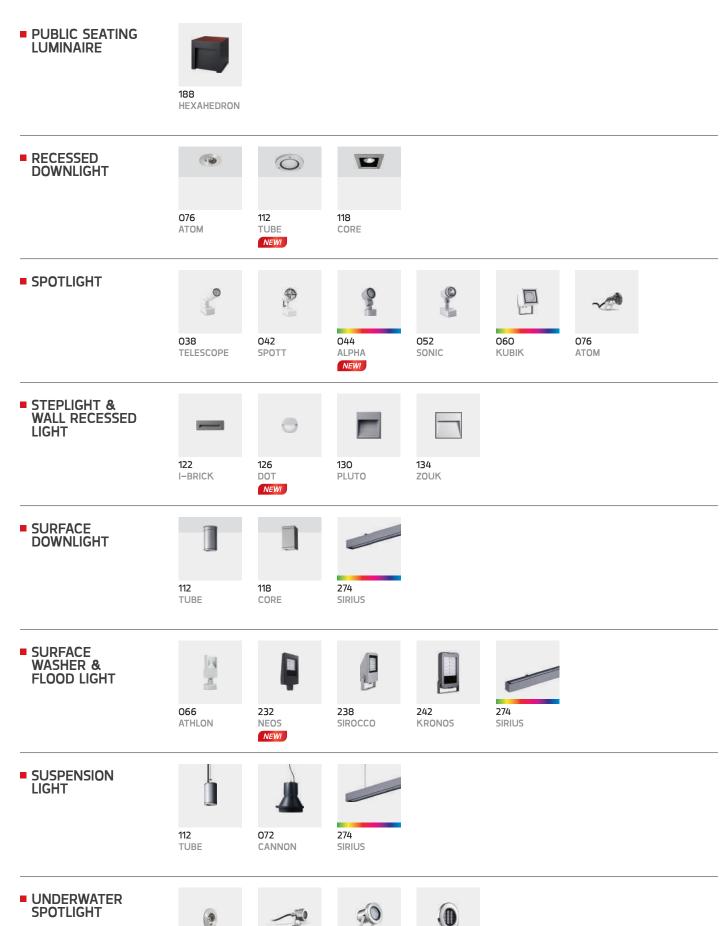
184 BUZZ



ROJECTOR



CANNON



076

ATOM

080

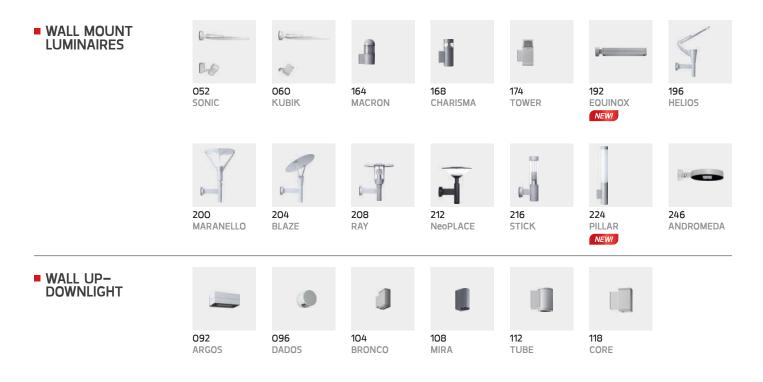
VOLGA

084 ACQUA

h 088

VAREE

#### 



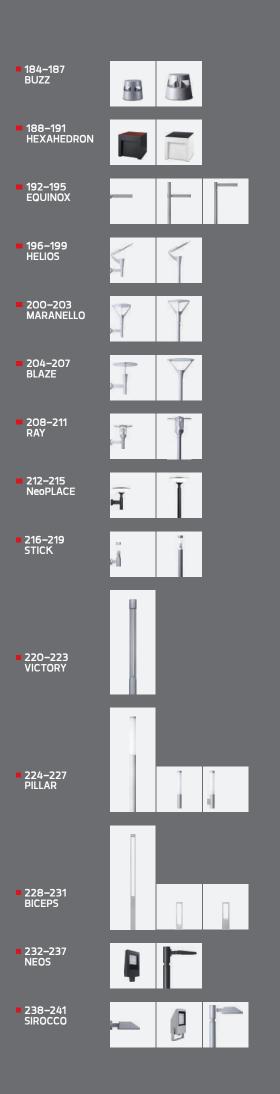
## CONTENT [BY PRODUCT FAMILY]

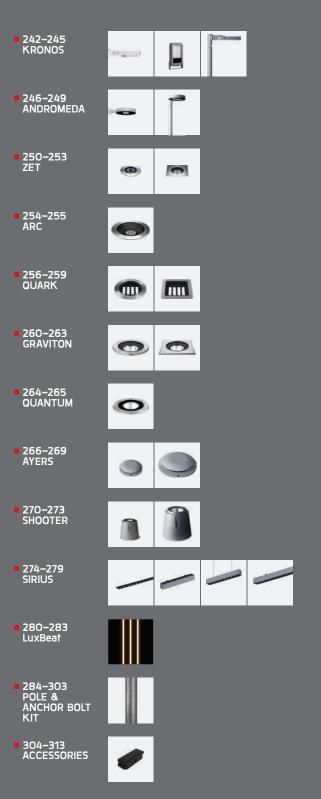


		7	No.		al I
	U)	u		ľ	
		-	۵		
	88		0	0	Ð
3					
	-		e		
	$\bigcirc$		$\oplus$		$\oplus$
	$\bigcirc$				
	II.		Ĩ	Ĩ	
	Ĩ	Ĩ			
<b>)</b> 5	i	1	î	1	
3	Î	2			
, N	Î	i			
в МА	Ĩ	Ĩ	đ	Ĩ	
	ij.	Ĩ			
	7				
3					

#### 

## CONTENT [BY PRODUCT FAMILY]





The essence of light is one of the most important things in anyone's life.

To fascinate a buildings form or design is a prerequisite of any lighting designer, to this end we at Unilamp believe it our profession to assist in this process.

Founded in Thailand in 1993 Unilamp has become the leading manufacturer of outdoor lighting and outdoor lighting applications.

Our success has been based on a solid foundation of identifying our clients requirements for sustainability, reliability, design and functionality.

Our history is reflected with taking the necessary steps to ensure our clients are presented with the best possible product and solution every time.

We have invested and shown great understanding on the use of a combination of smart eco technologies, smart design and smart working systems so we can help all clients reduce their impact on the environment without compromising their desire for design and comfort.

During for the past 29 years of steady and continuous development, Unilamp Co., Ltd. has taken great strides in enterprise management, quality enhancement and technology innovation.

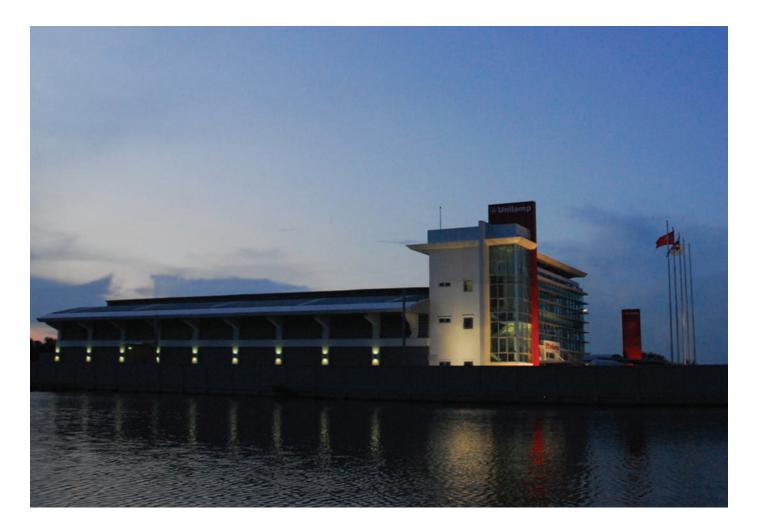






The Unilamp brand is synonymous worldwide with quality and every product that leaves our Factory at Prachinburi in Thailand is manufactured to meet all IEC and TIS standards. We have worked tirelessly to gain the worldwide acclaim that our products have today testified with many awards, certificates and honors.

Our working system is certified by ISO 9001 and ISO 14001.



We work to develop technologies and provide lighting expertise that delivers higher-value lighting environments with less energy. All our product and our design made the best for customer's desire and customer's life.



	IEC 60598-1
INTERNATIONAL STANDARD	
NORME INTERNATIONALE	eolou inside
Luminaires – Part 1: General requirements and tests Luminaires –	
Partie 1: Exigences générales et essais	
INTERNATIONAL ELECTROTECHNICAL	
INTERNATIONAL	



Standards we follow; IEC 60598-1 General Requirement and Test for Luminaires IEC 60598-2-1 **Fixed Luminaires Recessed Luminaires** IEC 60598-2-2 Road and Street Lighting IEC 60598-2-3 Flood Light IEC 60598-2-5 IEC 60598-2-6 Luminaires with Built-in Transformer IEC 60598-2-13 Ground Recessed Luminaires IEC 60598-2-18 Luminaires for Swimming Pools

For the lighting designer all facets of exterior lighting are covered within our range. Our Research and design center allows us to offer the latest in technology. This is not limited to lamp sources or control gear but as usual we take this all through into our manufacturing processes.



Located in Bangkok with our Head Office and showroom in Ramintra road we are here to help and service our market. Our staff are important to our culture and our team now totals 230 people. Unilamp Factory located in Prachinburi province (100 kms. East of Bangkok),Thailand Factory 1: Responsible for casting works, machining, pre-treatment and coating. Factory 2: Responsible for assembling works and product verification, product testing.















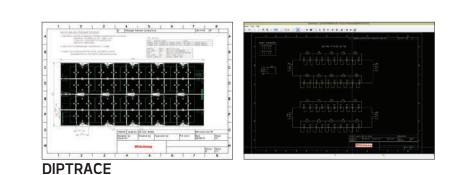








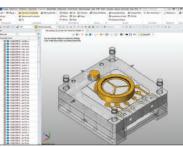
#### 



AUTOCAD

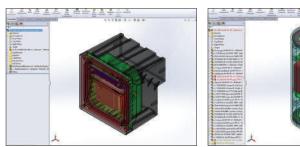


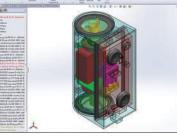




SOLID WORKS

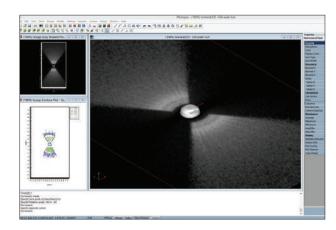
Charles (aller Birer Big Greether Berrier Blane Dilere Chir aller Die Birer Ant Die Star-

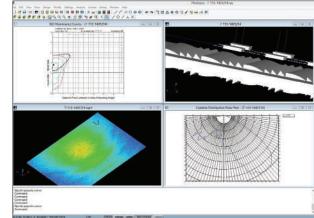




Respected worldwide for its focus on quality and design Unilamp luminaires offer the highest grade of manufacture and value on the market. With a never ending desire to improve Unilamp product development is constantly evolving with new designs, finishes and technology being used.

The process of our luminaires manufacture combines design and technology together with a blend of software. The very first step of our work begins with design & development process of our engineers to create high quality fixtures.





ΡΗΟΤΟΡΙΑ



Unilamp is DIALux Partner Since 2010. DIALUX







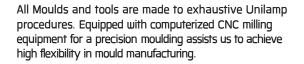
Utilising 3 Dimensional CAD software initially in the fixture design and product layout. The Unilamp R & D team are experts in the use of:

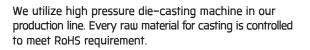
- AutoCad : for drawings and drafting
- Solid Works : for 3D fixtures design and FEA analysis
- ZW 3D : for mould design and fabrication.
- Photopia : for design of lighting optics.
- DIALux : to provide high quality lighting calculations and solutions for our clients via web based intergration. Unilamp is Dialux partner since 2010.
- 3Ds MAX : Conceptual rendering for clients
- DIPTRACE : PCB design

















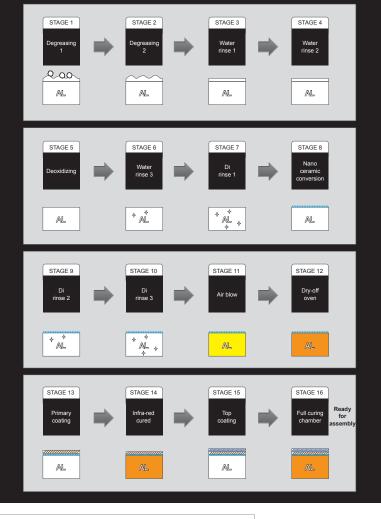
Unilamp complete coating process consists of 16 stages.

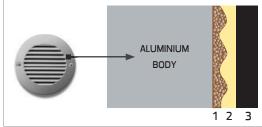
Nano Ceramic surface conversion process optimizes the corrosion resistant property and increases powder coat adhesion. The chemical concentration in the process is checked daily to ensure that the parameter of every step is fully maintained. Primary epoxy-resin based coating increases corrosion resistant property on the surface when exposed to severe climatic conditions.

The primer is formulated to be used on casting metal substrates such as aluminium alloys.

UV-stabilized Polyester powder coat gives a long-lasting colour rendering and combines protective properties with good weather resistance.

High purity De-Ionized water is used in the process.





- 1. Nano ceramic layer
- 2. Primer coating
- 3. Polyester top coat



## CONTENT BREAKDOWN

#### **Gasket Protection:**

Post-cure treated Silicone rubber gasket. Wide range of service temperatures. [-40° to +200°C]





#### External Screws:

All external screws are made from stainless steel. We partnered with Bossard fasteners from Switzerland. To increase the resistance to corrosion a special dipping process is applied.

#### **Optical Covers:**

We utilize Pure–White optical tempered glass for increased light transmission. It withstands extreme temperature both from within the luminaire and external sources of heat. All Unilamp glass covers are tested for impact resistant property [IK test].

#### **Reflectors**:

Unilamp have partnered with renowned manufacturers such as Alanod and Ledil to offer our clients the highest possible optical results. We specifically use U.S. Optics design specialist Photopia to design our reflectors for maximum light output and comfort.

#### LED Drivers:

All LED drivers are carefully selected to match the requirement of LED specification. Temperature testing is carefully carried out and is compliant with recommendations from manufacturers.

#### LED:

Utilizing the latest technology from renowned manufacturers including Citizen, Osram, Cree, etc. Available in 2700K, 3000K and 4000K with CRI >80 and 3-step MacAdam Ellipse.

#### Heat Sink:

Integrated CFC-AL© heat sink gives the best result in heat conductivity. The whole range of LED luminaires are designed and tested under ambient thermal condition Ta 40°C and Ta 50°.

Body Housing: We utilize highest quality Aluminium Ingot. Enhanced LM6 Alloy, historically the most robust Alloy on the market and only used in the specific industry. Contains low copper level (<0.1%) and low hazardous heavy metal substance. 16 stages pre-treatment and coating processes including Nano Ceramic film with double layer nouver coat

layer powder coat.







Our desire to bring to market the very best product has its challenges but our belief that a high end quality product will set us apart sees us utilize the following: Our Process and components include

Die Casting Aluminium :

Highest quality Aluminium Ingot LM6 Alloy. Enhanced for optimization for high-pressure die-casting process.

Historically the most robust Alloy on the market and widely used in the specific industry. Contains low copper level (<0.1%) and low hazardous heavy metal substance. Best corrosive protection property utilizing Unilamp pre-treatment and coating processes.



Steel and Stainless Steel :

High grade fully galvanized steel is used in our fitting componentry such as control gear plates, lamp holder brackets and poles.

Utilizing Marine grade 316 Stainless steel in our submersible and marine applicable luminaires.

#### **Optical Reflectors :**

Unilamp have partnered with German manufacturer Alanod to offer our clients the highest possible optical results. All reflectors from Alanod are 99.99% pure aluminium with the total reflection value at 95 according to DIN 5036-3 Unilamp specifically use U.S. Optics design specialist Photopia to design our reflectors for maximum light output and comfort.

#### Spun Reflector :

To offer an even greater range of reflectors to our clients Unilamp also use low glare Specular anodized and matt anodized reflectors, allowing our clients the use of different curves, facets and surface textures for specific light distribution.

All Unilamp Spun reflectors are made up of 99.90% of pure aluminium.









Optical Covers and Diffuser : Protective Glass Diffusers. To withstand extreme temperature both from within and external surfaces Unilamp only uses tempered safety glass. All Unilamp glass lens are tested for impact resistant property (IK test) according to IEC 62262 standard.

Polycarbonate diffusers. Our partners for all of Unilamp diffusers include Bayer – Germany, Mitsubishi – Japan and Teijin –Japan

Unilamp diffusers are manufactured from Polycarbonate (PC) and PMMA. PC diffuser are used when a very high impact resistant rating is required. Unilamp diffusers are manufactured with UV stabilization process to prolong life and avoid degradation of the diffuser. All Unilamp diffusers are tested to IEC 62262 standard for impact resistance.



Our major LED partners are;



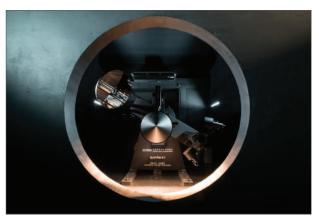
Unilamp partners with world renowned LED and LED components manufacturers. We utilize the latest LED technology in the market to ensure that our customers get the best efficient supplies with the sense of cost worthiness for their projects. All components are attentively selected to match the requirement of LED specification. Thermal management is exhaustively carried out at ambient thermal condition 40°C and 50°C.







Our in-house laboratory is accredited to ISO 17025 by internationally recognized ilac-MRA and NAC.

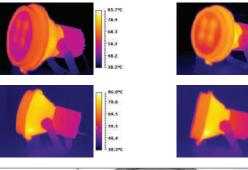


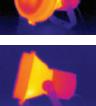


Our product testing is second to none and our clients can be assured that at Unilamp a thorough process of product testing is adhered to, both at our factory and at any of our partners premises. All luminaires that carry the Unilamp trademark fall under our guidelines for manufacture.

#### **Light Measurement**

All Unilamp product is measured by the Goniophotometer which gives our clients surety of lighting design and all files are in IES format.





65.2

50.2

55.3





**Endurance Thermal Test** 

Test under conditions representing cyclic heating and cooling in service, the fixture shall not become unsafe or fail prematurely.

Our LED luminaires are designed and tested under ambient thermal condition Ta 40°C and 50°C.

0 103 79.1

#### IP rating

Water Jet Testing for ingress of liquid and moisture by water jet equipment. Dust test for the ingression of harmful dust and solid

particles.



#### IK Test

Test for the degree of protection of the lighting fixture against harmful external mechanical impacts.

#### EMC Test

Test for electromagnetic compatibility which includes harmonic current emissions, voltage fluctuation and insertion loss.

Humidity Test We test the luminaires under the high humidity environment for particular markets.

Salt Spray Test

Test for the degree of corrosion resistance on the fixture's surface under severe saline environment.

The rest of products verification and testing that we have are Electrical Safety Test, Vacuum Test, Wind Load Test, etc.











## Überwachte Fertigungsstätte

Approved Place of Manufacture

Unilamp Co., Ltd. 29 Moo 3, Tambol Bansang Amper Bansang PRACHINBURI 25150 THAILAND

#### Factory No.: 30019087

Die Überwachung der Fertigungsstätte erfolgte nach dem europäischen Werksinspektions-Verfahren auf Basis der folgenden Schriftstücke: / This surveillance of the factory was performed according to the European Factory Inspection Procedure based on the following documents:

#### ECS/CIG 021 - 024: 2014

#### Werksinspektionsverfahren, Harmonisierte Anforderungen / Factory Inspection Procedure - Harmonized Requirements

Die Anforderungen wurden erfüllt. / The requirements have been fulfilled.

Datum der letzten Inspektion: / Date of last inspection:

2021-05-21

Produkt-Kategorie: Siehe Anhang / Product Category: See Appendix

VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute Inspektionen, Konformitätsüberwachung Inspection, Conformance

h.

Thomas Bilz Datum / Date: 2021-06-16

Merianstrasse 28, 63069 Offenbach, Deutschland / Germany Telefon / Phone: +49 69 83 06-0, Telefax / Fax: +49 69 83 06-555

Dieses Dokument ist nicht übertragbar auf andere Fertigungsstätten und berechtigt nicht zum Führen eines VDE-Zeichens. / This document is not transferable to other places of manufacture and does not authorize to use any VDE Mark.



We are working closely and continuously with VDE institute to ensure that our final products are having a good quality and are reliable.

We proud to announce that Unilamp is one of the first luminaire manufacture in Asian that got certified by VDE for both factory's working system and quality of the products.



## VDE Prüf- und Zertifizierungsinstitut

#### ZEICHENGENEHMIGUNG MARKS APPROVAL

Unilamp Co., Ltd. 29 Moo 3, Tambol Bansang Amper Bansang PRACHINBURI 25150 THAILAND

ist berechtigt, für ihr Produkt / is authorized to use for their product Einbauleuchte für Leuchtdioden (LED) Recessed luminaire for lightemitting diodes (LED)

die hier abgebildeten markenrechtlich geschützten Zeichen für die ab Blatt 2 aufgeführten Typen zu benutzen / the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach / Tested and certified according to

DIN EN 60598-2-2 (VDE 0711-2-2):2012-10; EN 60598-2-2:2012-02 DIN EN 60598-1 (VDE 0711-1):2015-10; EN 60598-1:2015

> Aldenzeichen: 5009757-2115-0009 / 249890 File ref.: Ausweis-Nr. 40048469 Blatt 1 Certificate No. Page

Certificate No. Vetere Bodingurgen eiche Rücksete und Folgebitter Auther conditions see overleef and folgebitter Offenbach, 2018-07-10

http://www.vde.com/zertifikal http://www.vde.com/certificate

VDE Zentificates and n<sup>1</sup>/<sub>2</sub> gilling bet Verontentischung unter IVDE zentificates are valid znly when published zo:

VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute

e

A

Zertifizieru









at 1

As a leading manufacturer of lighting solutions for residential and commercial settings, UNILAMP now offers an ecological lighting solution to suit most lighting requirements. From the past to present, our company continues to strive for excellence by continuously developing the Unilamp brand and product quality. To this end we have been rewarded with the Industrial Quality Standard.

Our belief in what we do has seen us contribute in most major international lighting exhibitions as listed.

#### International Fairs;

Light & Building - Frankfurt , Germany Interlight Moscow - Russia LuxLive - London, UK Light Middle East - Dubai , UAE Hong Kong Lighting Fair Lumivill - Lyon, France Intel Show - Milan, Italy

Domestic Fairs; BOI Fair Architect Fair Baan Lae Suan Fair LED Expo Our consideration in keeping our markets abreast of latest developments allows us to market via most major architectural and lighting magazines around the world.

We have always believed in ourselves and it is our initiative and desire to be the best that has seen us rise from our beginnings of 1993 to satisfy a worldwide market in the future.

We are proud of our heritage but fully understand that we must continue to provide you, our client, with the highest possible customer service balanced with a long lasting product. Our Showroom in Ramintra Rd Bangkok is open to all of our clients to assist in satisfying and developing a professional experience and atmosphere.







(A) Unit







BESIDE THAILAND OUR HOME COUNTRY, RIGHT NOW WE ARE EXPORTING TO MORE THAN 70 COUNTRIES AROUND THE WORLD.



#### Onilamp





# **&**Unilamp

# WHAT'S **NEW**



CAP **PAGE 152** BOLLARDS



• SURFACE WASHER & FLOOD LIGHT AREA LIGHT

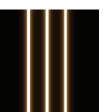


INGROUND UPLIGHTER



ACCENT LINEAR LIGHT













### **KUBIK** PAGE 60 SPOTLIGHT

BRONCO PAGE 104 • WALL UP-DOWNLIGHT

# TUBE **PAGE 112**

 WALL UP-DOWNLIGHT SURFACE DOWNLIGHT RECESS DOWNLIGHT



- WALL UP-DOWNLIGHT
- SURFACE DOWNLIGHT
- RECESS DOWNLIGHT













ZET PAGE 250 INGROUND UPLIGHTER









	ALPHA PAGE 44 • SPOTLIGHT	KUBIK PAGE 60 • SPOTLIGHT	ACQUA PAGE 84 • UNDER WATER SPOTLIGHT	SKUNA PAGE 100 • BOLLARD	TUBE PAGE 112 • RECESS DOWNLIGHT
Added New Models	Micro ALPHA Round Snoot	Mini Slim KUBIK	ACQUA/1 Wall Recess	SKUNA Bollard	Recess Downlight / Frost Glass
	Mini ALPHA Square – ID		ACQUA/1 Ground Mount	SKUNA Short Bollard	
	Mini ALPHA Square – ID Arm				
	DOT PAGE 126 • STEPLIGHT & WALL RECESSED LIGHT	CHARISMA PAGE 168 • BOLLARDS	EQUINOX PAGE 192 • WALL MOUNT LUMINAIRES • POLE LIGHT & POLE TOP LIGHT	PILLAR PAGE 224 • WALL MOUNT LUMINAIRES • BOLLARDS • POLE LIGHT & POLE LIGHT &	AYERS PAGE 266 • BURIED GROUND WASHER
	DOT Round Opal	Medium CHARISMA4	Neo EQUINOX Wall Light	Mini PILLAR – Wall	Mini AYERS One Opening 180
	DOT Square Opal		Neo EQUINOX - Pole Top Light	Mini PILLAR – Bollard	AYERS One Opening 180
			Neo EQUINOX – Pole Clamp	Mini PILLAR – Pole	



SPOTLIGHT





**TELESCOPE** is a low glare long snoot ground mount or wall mount spotlight with strong base for permanent installation and with earth spike for temporary use. Its distinctive lamp compartment with trunk limits the undesired light spill.

**TELESCOPE** is fitted with COB LED with high CRI in 2700K, 3000K or 4000K color temperature with good color consistency and available with a choice of six body colors. The choices of beam angles are narrow, medium and wide. It is suitable to light up small plants and woody bushes from a low mounting height as well as all other outdoor spotlighting application. Additional accessories such as tree strap is also available.

# TELESCOPE



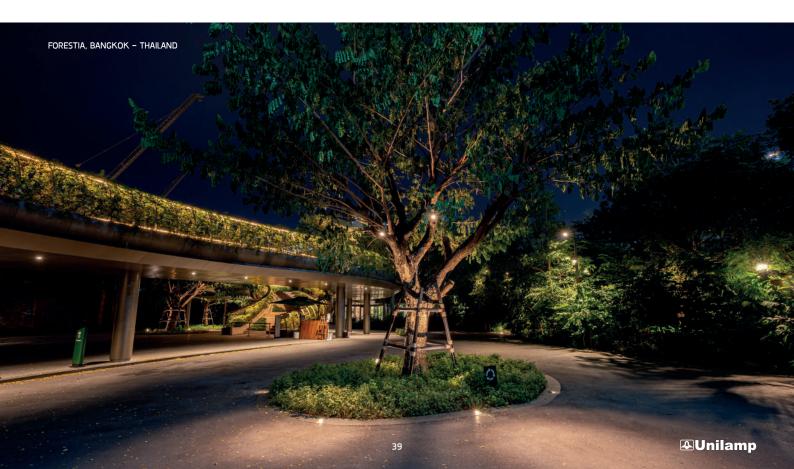
### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium, Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module.
- On-Off / 1-10V / DALI control gear.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)





# TELESCOPE



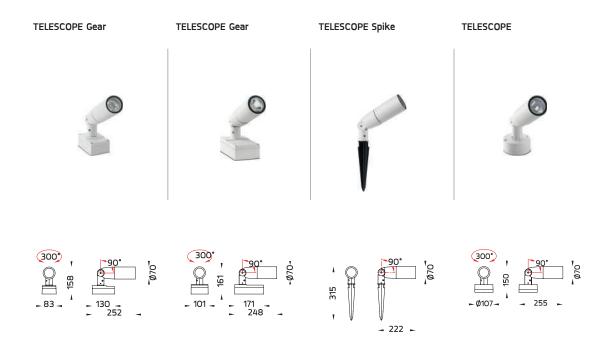
1. LED Module

High Power LED in COB technology. 2700K, 3000K and 4000K. CRI >80 / 3-Step MacAdam Ellipse.

- 2. Trunk
  - Corrosion proof Extruded Aluminium. Safety Tempered Glass.
- **3. Aiming** Adjustable with hexagon tool. Presented with scale.
- 4. Control Gear Integrated control gear. High quality Constant Current driver. Conforms to safety and EMC regulation.
- 5. Body Housing Enhanced LM6 die-cast aluminium body.

Low copper content (<0.1%) Utilize 16 stages pre-treatment and coating process.

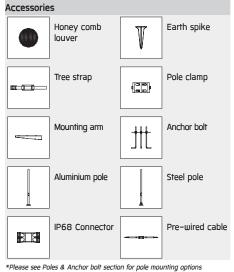
# **TELESCOPE**



### **TELESCOPE**

SPOTLIGHT

TELESCOPE Gear / 5911
TELESCOPE Spike / 5912
TELESCOPE / 5913
Luminaire Performance
710 - 1010 lm
14 W
50 – 72 lm/W
Beam Options
Narrow Medium Wide
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-off/ 1-10V/ DALI





**SPOTT** is a ground and wall mount spotlight. Accessories such as earth spike and tree strap are available for portable or temporary use. **SPOTT** is generally used to illuminate plants and trees, as well as signboards and other architectural tasks. It is suitable to light up objects from short to medium distance. The choices of beam angles are narrow, medium and wide. LED module and driver are made from leading manufacturers.





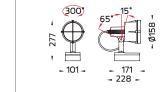
#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module.
- On-Off / 1-10V / DALI control gear.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

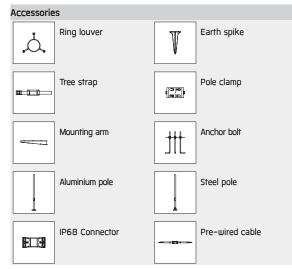




### SPOTT

SPOTLIGHT

SPOTT - LED / 5901
Luminaire Performance
1910 – 3900 lm
27 – 39 W
70 – 100 lm/W
Beam Options
Narrow Medium Wide
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-off/ 1-10V/ DALI



\*Please see Poles & Anchor bolt section for pole mounting options

### SPOTLIGHT









**ALPHA** is a family of outdoor spot lights / flood lights engineered from scratch. The primary shapes and overall small dimensions makes it possible to install ALPHA in most professional and residential lighting applications. High quality polycarbonate optics provide accurate beam control and offer a wide selection of light distributions. ALPHA can be customized with accessories such as honeycombs, shields and various mounting solutions for poles and surfaces. The minimized amount of needed tools and usage of quick connectors simplifies the installation.







MERCURE IBIS, BANGKOK - THAILAND

NEW! ALPHA Square – ID Arm



.

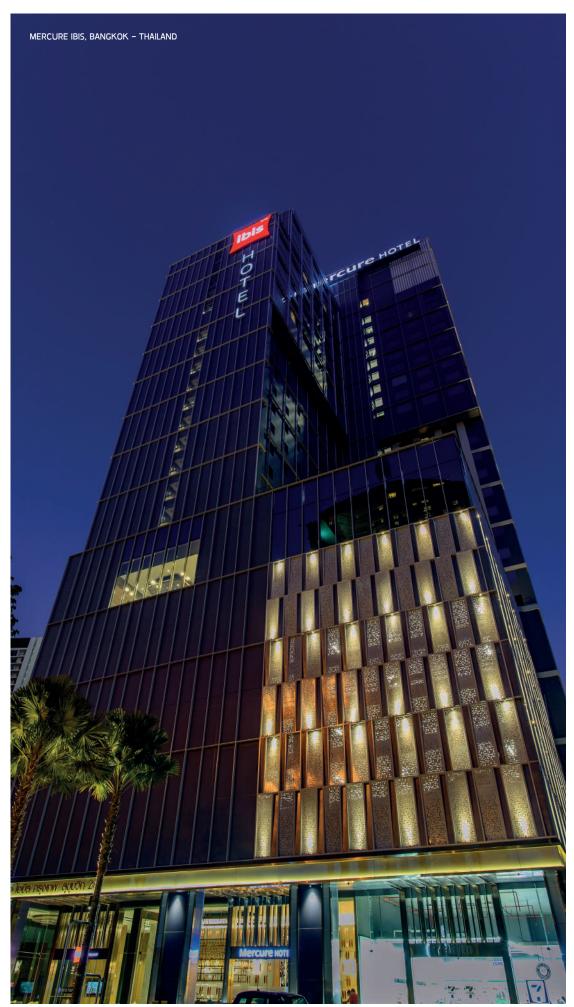
### Specification

- Designed, Manufactured and tested according to IEC 60598. .
- LM6 Die Cast Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating. •
- Safety glass cover. .
- Post-cured silicone gasket.
- High quality LED module.
- .
- •
- Available with integrated driver or remote driver. Weather proof TPE grommet. Installation must be carried out according to the enclosed product . manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)





Micro ALPHA Round CC / CV Spotlight

Micro ALPHA Round Snoot CC / CV Spotlight

NEW!







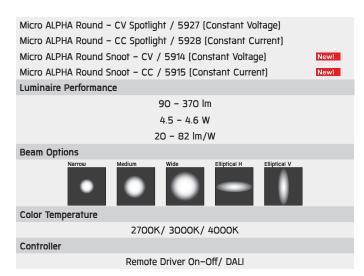


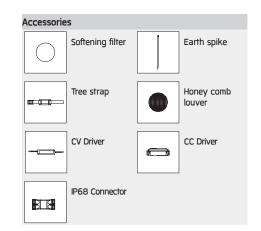


FURNITURE SHOP, HYDERABAD - INDIA

### **Micro ALPHA Round**

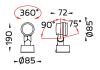
### **SPOTLIGHT**





Mini ALPHA Round







(300°) - 72-

195

83

90°

130

\_985

Mini ALPHA Round Gear / Gear CVDA



(300) - 72-

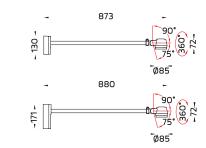
202

90°

085

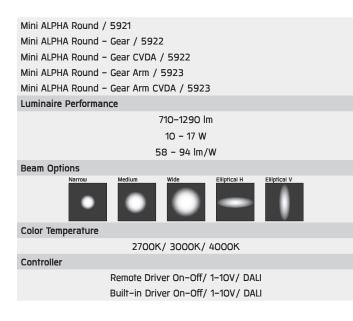
Mini ALPHA Round Gear Arm / Gear Arm CVDA

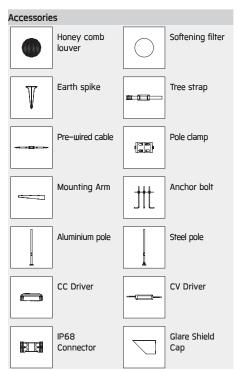




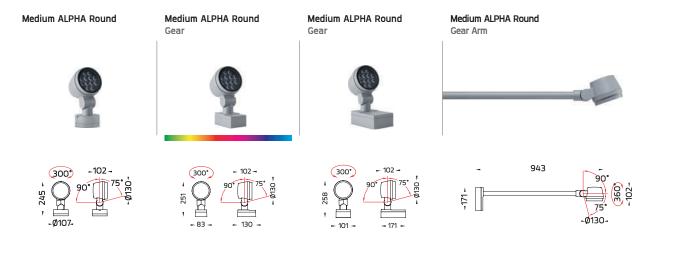
### Mini ALPHA Round

## SPOTLIGHT



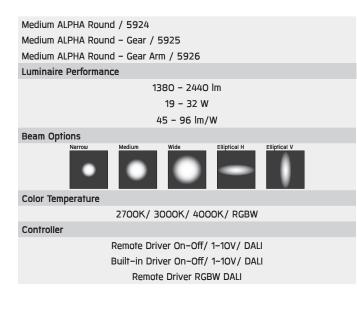


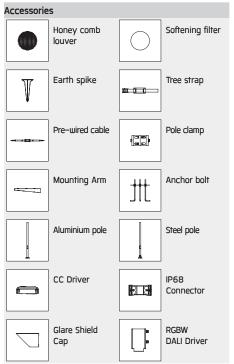
\*Please see Poles & Anchor bolt section for pole mounting options



### Medium ALPHA Round

### SPOTLIGHT





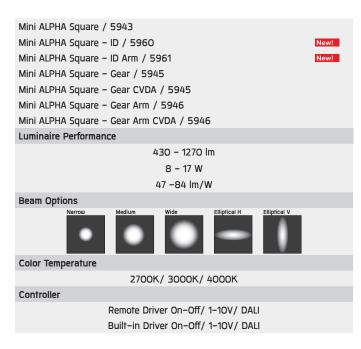
\*Please see Poles & Anchor bolt section for pole mounting options

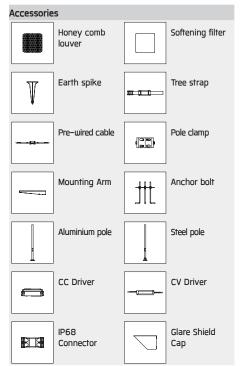
# Onilamp



### Mini ALPHA Square

### SPOTLIGHT



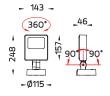


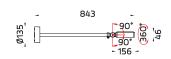
\*Please see Poles & Anchor bolt section for pole mounting options

#### Medium ALPHA Square

Medium ALPHA Square Gear Arm / Gear Arm CVDA



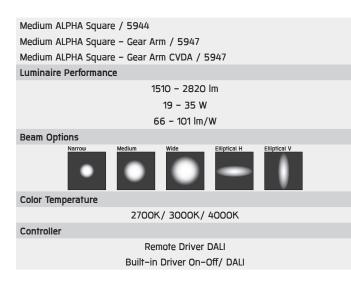


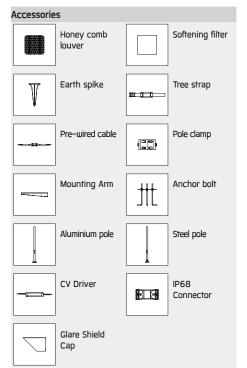


...)

### Medium ALPHA Square

SPOTLIGHT





\*Please see Poles & Anchor bolt section for pole mounting options







**SONIC** is a huge family of spotlight/floodlight with COB LED light source. The family offers ground/wall mount fixing, pole clamp and wall clamp array, indirect pole and wall light.

The wide ranges of accessories like glare shield unit, tree strap, earth spike and anchorage bolt kit make **SONIC** customizable for most application. Available in three sizes with a choice of six colors. **SONIC** is fitted with COB LED with high CRI in 2700K, 3000K or 4000K color temperature with 3 SDCM.

The front glass cover is flush to the luminaire housing thus dust and water are not accumulated. High specular reflectors are used in this luminaire family to achieve an outstanding light output ratio.

Aiming can be done through graduated scale by tool. For ease of installation and improved thermal performance the control gear compartment is housed separately to the light engine. **SONIC** is an ideal choice to accentuate sculptures, walls, building facades, bushes and trees.



C.

Ð



#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium, Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module.
- On-Off / 1-10V / DALI control gear.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



# CUSTOMIZED SOLUTIONS





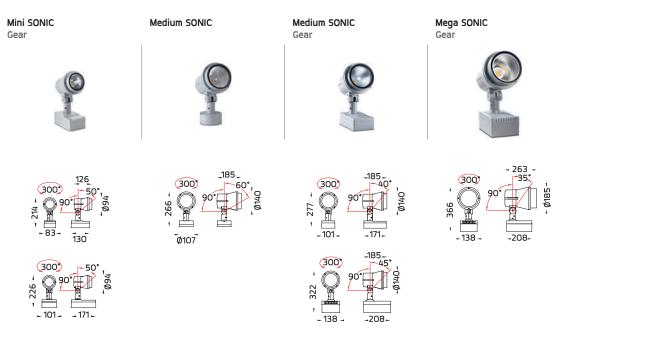
Mega SONIC Spotlight



# • Wall Array - Wall Array for 2 Spotlights. - Wall Array for 4 Spotlights. - Wall Array for 6 Spotlights.

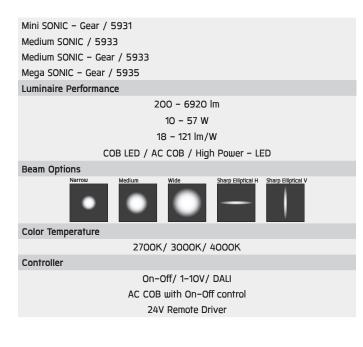


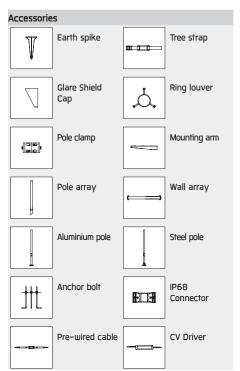




### SONIC

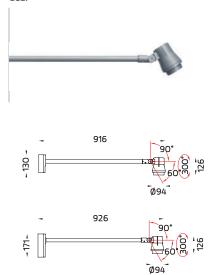
SPOTLIGHT

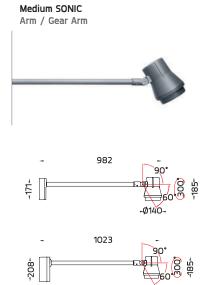




\*Please see Poles & Anchor bolt section for pole mounting options

#### Mini SONIC Gear





Ø140



# SONIC – Arm

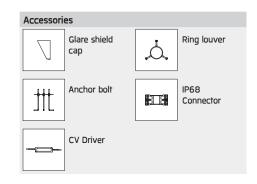
SPOTLIGHT

Mini SONIC – Gear / 5931
Medium SONIC / 5933
Medium SONIC – Gear / 5933
Mega SONIC – Gear / 5935
Luminaire Performance
200 - 6920 lm
10 - 57 W
18 – 121 lm/W
COB LED / AC COB
Beam Options
Narrow Medium Wide
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI
AC COB with On-Off control

Accessori	es		
	Glare shield cap	Å	Ring louver

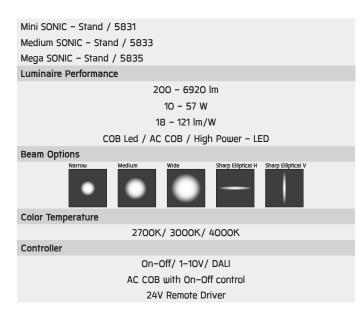






# SONIC – Stand

SPOTLIGHT



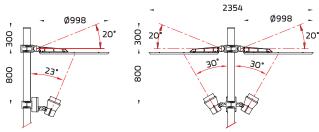
90

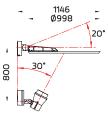
Ø140

185

Mega SONIC Indirect Pole Light Mega SONIC Indirect Pole Light







# Mega SONIC - Indirect Pole Light

POLE	LIGHT	&	POLE	ТОР	LIGHT

Mega SONIC – Indirect Pole Light/Single Sided / 7711 Mega SONIC – Indirect Pole Light/Double Sided / 7712 Luminaire Performance

сар

₩

Anchor bolt

4610 - 9560 lm
57 – 114 W
80 – 91 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI
Accessories
Glare shield Aluminium pole Steel pole

IP68

Connector

BI B

# Mega SONIC – Indirect Wall Light

WALL MOUNT LUMINAIRES

Mega SONIC - Indirect Wall Light / 5950 Luminaire Performance 4610 - 4780 lm 57 W 80 - 83 lm/W Beam Options Color Temperature 2700K/ 3000K/ 4000K Controller On-Off/ 1-10V/ DALI

Glare shield cap	Å	Ring Louver
------------------	---	-------------

Ring Louver

Å

KUBIK









**KUBIK** is a robust cube-shaped spotlight/floodlight with LED light source. The family offers ground/wall mount fixing, pole clamp and wall clamp array, indirect pole light and wall light. The front glass cover is flush to the luminaire housing thus dust and water are not accumulated. High efficiency lenses and reflectors are used in this luminaire family. Aiming can be done through graduated scale by tool.

The luminaire housing separates LED and driver compartment to achieve lower operating temperature and longer service time. KUBIK is suitable to light up object from short to medium distance like bushes, plants, sculptures, flags, signboards, columns, building facets, etc.







# **KUBIK**

.

0





#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body.
- Stainless steel screws. .
- Nano Ceramic surface conversion.

- Double layer coating. Safety glass cover. Post-cured silicone gasket.
- High quality LED module. •
- Available with integrated driver or remote driver.
- •
- Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. •

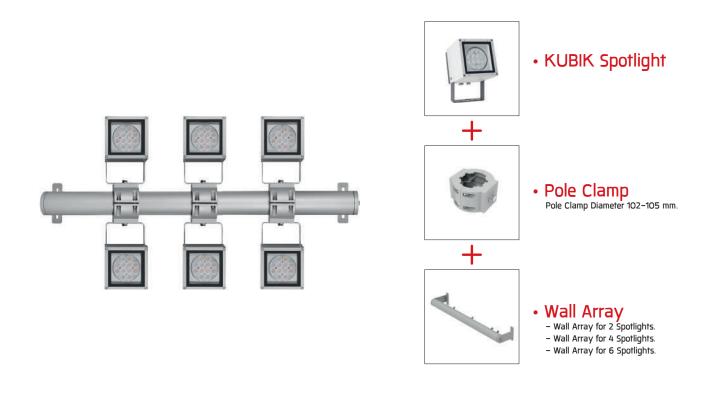
#### Available Color

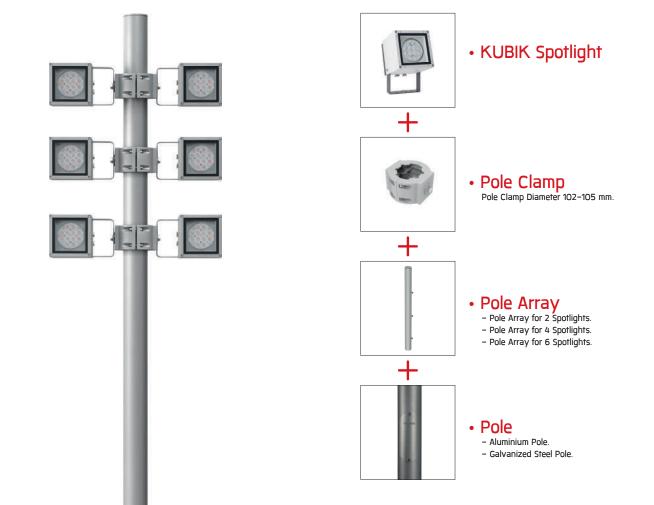
Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

2-Tone Color (for KUBIK & Mini KUBIK)

White with Dark Grey	[replace the last 2 digits of ordering code with 21]
Silver with Dark Grey	[replace the last 2 digits of ordering code with 22]
Silver with Graphite	[replace the last 2 digits of ordering code with 23]

# • CUSTOMIZED SOLUTIONS



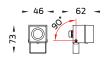


KUBIK

# KUBIK

#### Micro KUBIK CC Ground Mount / CV Ground Mount





Mini KUBIK Ground Mount / Ground Mount CVDA



145-

- 118 -

- 100 -

Mini Slim KUBIK Ground Mount / Ground Mount CVDA

-70- - 93-

187

NEWI

KUBIK Ground Mount



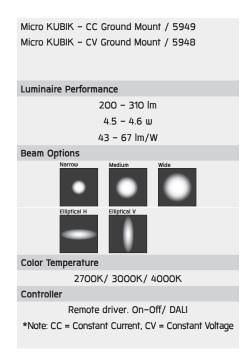






### **Micro KUBIK**

### SPOTLIGHT



## Mini KUBIK

# SPOTLIGHT

Mini KUBIK - Ground Mount / 5941 Mini KUBIK - Ground Mount CVDA / 5940 Mini Slim KUBIK - Ground Mount CVDA / 5940 Luminaire Performance 220 - 1780 lm 8 - 22 W 20 - 93 lm/W Beam Options Marrow Wedium Wide



Color Temperature

2700K/ 3000K/ 4000K

Controller

Remote driver with On-Off/ 1-10V/ DALI control Integrated driver with On-Off/ DALI control \*Note: CVDA = Constant Voltage with DALI Control

### **KUBIK**

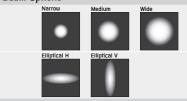
### SPOTLIGHT

KUBIK - Ground Mount / 5942 KUBIK Optic - Ground Mount / 5942

### Luminaire Performance

1420 - 4520 lm 32 - 42 W 44 - 113 lm/W

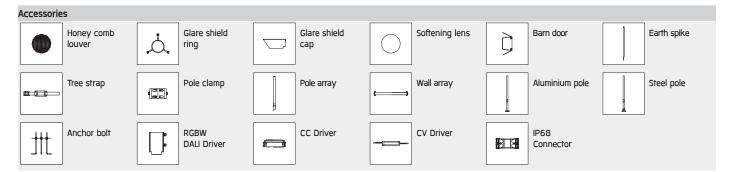
Beam Options



Color Temperature

2700K/ 3000K/ 4000K/ RGBW Controller

Integrated driver with On-Off/ 1-10V/ DALI control Remote driver for DALI RGBW [DMX available on request]



\* please see more accessories details at the back of catalogue or visit our website.

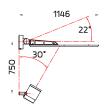
### 

#### KUBIK / KUBIK Optic Indirect Pole Light



#### Mega SONIC Indirect Pole Light





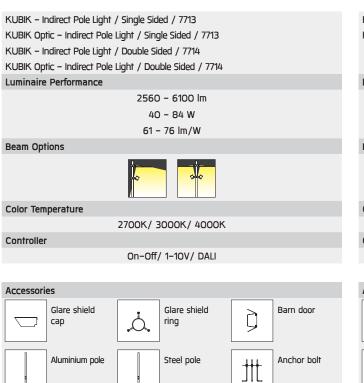
# KUBIK - Indirect Pole Light

IP68

Connector

BEB

# POLE LIGHT & POLE TOP LIGHT

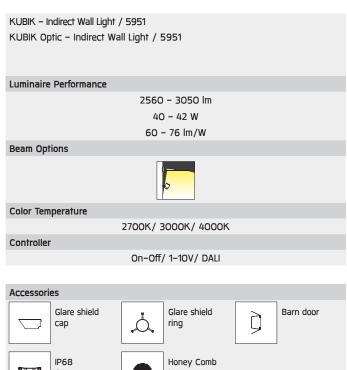


Honey Comb

Louver

# KUBIK – Indirect Wall Light

### WALL MOUNT LUMINAIRES



Louver

BB

Connector







0

**ATHLON** family is functional mini spotlight/ floodlight/ arealight. The slim and clean design of Athlon allows a hidden installation. Athlon is designed for a streamlined time effective installation. Alanod Miro reflectors used in this luminaire are designed by Photopia high-end lighting engineering software. Tight beam control utilizes selected lenses from world-renowned manufacturers.

**ATHLON** is available with symmetric, asymmetric, bi-symmetric, elliptical, forward throw and side throw light distributions. The broad range of accessories such as a ground spike, tree strap, softening filter and honey comb louver and glare shield hood makes it a dynamic floodlight choice. The graduated scale provides accuracy of the light distribution on the illuminated surface.

**ATHLON** is suitable to light up small to medium sized objects or areas such as signage boards, ceiling, building facades, open spaces, parks etc.





#### Specification

0

- Designed, Manufactured and Tested according to IEC 60598. .
- LM6 Die Cast Aluminium housing.
- Stainless steel screws. .
- Nano Ceramic surface conversion. .
- . Double layer coating.
- . Safety glass cover.
- Post-cured silicone gasket. High quality LED module and driver. GFR PA6.6 terminal block. .
- •
- . Weather proof TPE grommet.
- . Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



**OUnilamp** 



#### 1. Reflector

High reflection CNC formed Miro reflector.

#### 2. LED

Array of High quality LED from world renowned manufacturer. Module attached directly to the body for fastest heat transfer. 2700K, 3000K and 4000K CRI>80 3-Step SDCM.

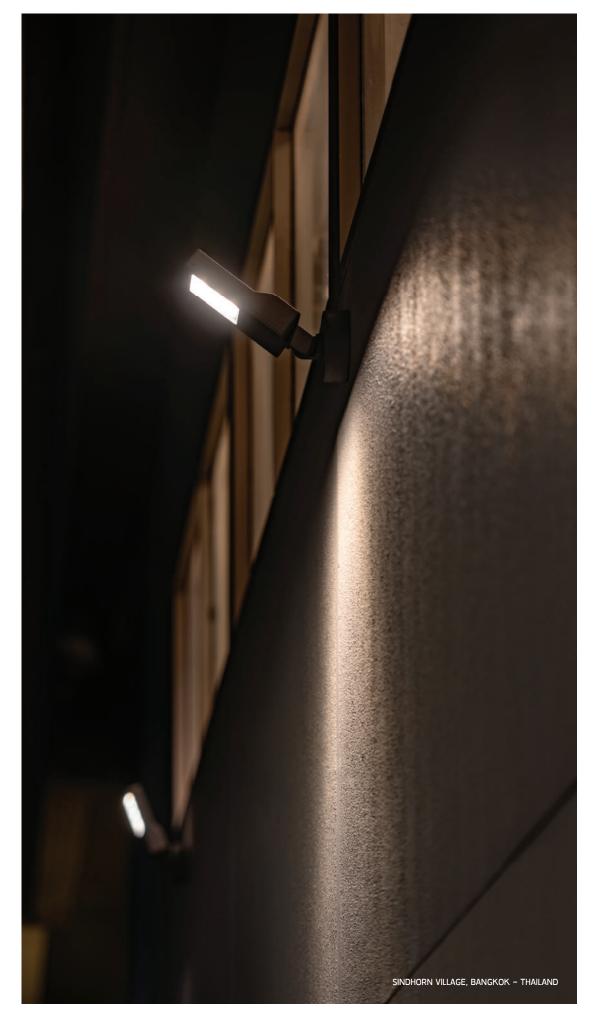
3. Body Housing Enhanced LM6 Die-Cast Aluminium housing with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

#### 4. Aiming

Graduated scale with locking mechanism. Adjustable with Hexagon tool.

#### 5. Quick Connector

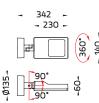
Supplied with detachable connector for easy installation.



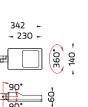
ATHLON Surface Washer Asymmetric

ATHLON Surface Washer **Bi-Symmetric** 

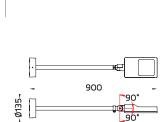












Asymmetric / Bi-Symmetric

1

140

09

- 230

ATHLON Arm

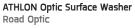


# SURFACE WASHER & FLOOD LIGHT

ATHLON Surface Washer / Asymmetric / 2310 ATHLON Surface Washer / Bi-Symmetric / 2311 ATHLON Arm / Asymmetric / 2315 ATHLON Arm / Bi-Symmetric / 2316 Luminaire Performance 1860 - 3410 lm 20 - 29 W 93 - 127 lm/W **Beam Options Color Temperature** 2700K/ 3000K/ 4000K Controller On-Off / 1-10V/ DALI

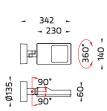
ATHLON Optic Surface Washer Asymmetric



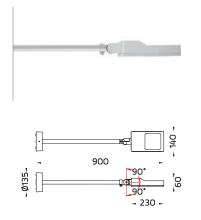


ATHLON Optic Surface Washer Symmetric





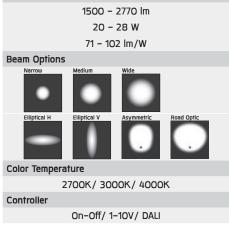
ATHLON Optic Arm Asymmetric / Symmetric / Road Optic

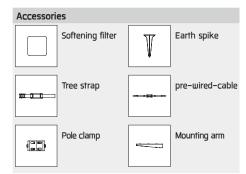


# **ATHLON OPTIC**

# SURFACE WASHER & FLOOD LIGHT

ATHLON Optic Surface Washer / Asymmetric / 2312 ATHLON Optic Surface Washer / Symmetric / 2313 ATHLON Optic Surface Washer / Road Optic / 2314 ATHLON Optic Arm / Asymmetric / 2317 ATHLON Optic Arm / Symmetric / 2318 ATHLON Optic Arm / Road Optic / 2319 Luminaire Performance



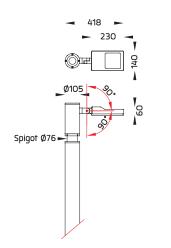


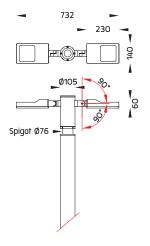
<sup>\*</sup>Please see Poles & Anchor bolt section for pole mounting options

# ATHLON

#### ATHLON Area Light



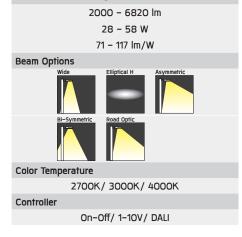


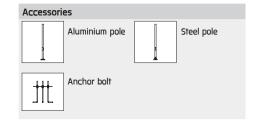


## **ATHLON Area Light**

## AREA LIGHT

ATHLON Area Light / Single Sided / 7256 ATHLON Optic Area Light / Single Sided / 7257 ATHLON Area Light / Double Sided / 7258 ATHLON Optic Area Light / Double Sided / 7259 Luminaire Performance









By its very name **CANNON** has a robust construction and is suitable in applications that require high lighting levels from medium to long distance. A wide range of mounting accessories including ground mounting base, pole top mounting adaptor, and wall/pole mounting arm is available. This luminaire family utilizes a high power COB LED with CRI 80+ in three steps SDCM.

**CANNON** is available in two sizes with mid-narrow, mid-wide and very wide beam angle in 2700K, 3000K and 4000K. Pure aluminium reflector used in this power projector is designed by high-end lighting engineering software. The integrated aiming scale allows the lighting designers to have confidence that the light will be distributed exactly on the desired surface. **CANNON** is suitable to light up medium size to large size objects or areas such as billboards, building facades, public parks, pedestrian, statues and public landmarks.





## CANNON

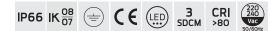
- 1. Reflector High efficiency anodize brightened CAD reflector.
- 2. Cover Impact resistant tempered safety glass cover.
- 3. Heat Sink State of Art aluminium heat sink designed
  - by flow simulation analysis software.

4. Screws Anti-fall off stainless steel screws to ease up installation work and maintenance.

5. Aiming Graduated scale with locking mechanism. Adjustable with Hexagon tool.

6. Housing Enhanced LM6 Die-Cast Alumnium housing with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

# CANNON



#### Specification

- Designed, Manufactured and Tested according to IEC 60598. LM6 Die Cast Aluminium housing.
- . Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover. Post-cured silicone gasket.
- High quality LED module and driver. .
- GFR PA6.6 terminal block.
- Installation must be carried out according to the enclosed product manual. •

#### Available Color

. .

Black	
Graphite	
Dark Grey	
Aluminium Silver	
White	
Wooden Brown	

(replace the last 2 digits of ordering code with O1) (replace the last 2 digits of ordering code with O2) [replace the last 2 digits of ordering code with O2] [replace the last 2 digits of ordering code with O3] [replace the last 2 digits of ordering code with O4] [replace the last 2 digits of ordering code with O6] [replace the last 2 digits of ordering code with O7]





# CANNON



- 340 -

90°

- 5Q°

- Ø280 -

- 238 -

ł

395

CANNON 360

407

-

50°

-

90°

- Ø360 -

- 268 -

4

429

CANNON S280



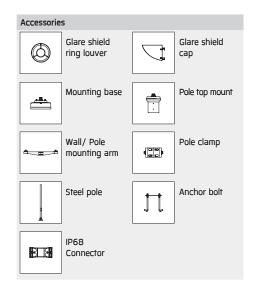


- Ø280 -



- POWER PROJECTOR
- SUSPENSION LIGHT

CANNON 280/ 2020
CANNON 360/ 2021
CANNON 5280/ 1520
Luminaire Performance
4760 - 10980 lm
60 - 96 W
70 – 117 lm/W
Beam Options
Narrow Medium Wide
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI















**ATOM** is a ground / ceiling recess indicator light and is also suitable for under water light application. **ATOM** has been designed and manufactured at highest attribute. Utilizing CNC lathed stainless steel body presented exceptional aesthetic as well as sleek tough feeling. LED chips and lenses are from world renowned manufacturers. GFR polymer recess kit allows it to be installed in most extreme environment. Ensuring integrity of manufacture **ATOM** is supplied with a factory fitted pre-wired cable for ease of installation. The Anti-Humidity wiring system eliminates condensation inside the housing and prolong the life time of the luminaire. An optional IP68 connectors is recommended as an accessory for trouble free installation.





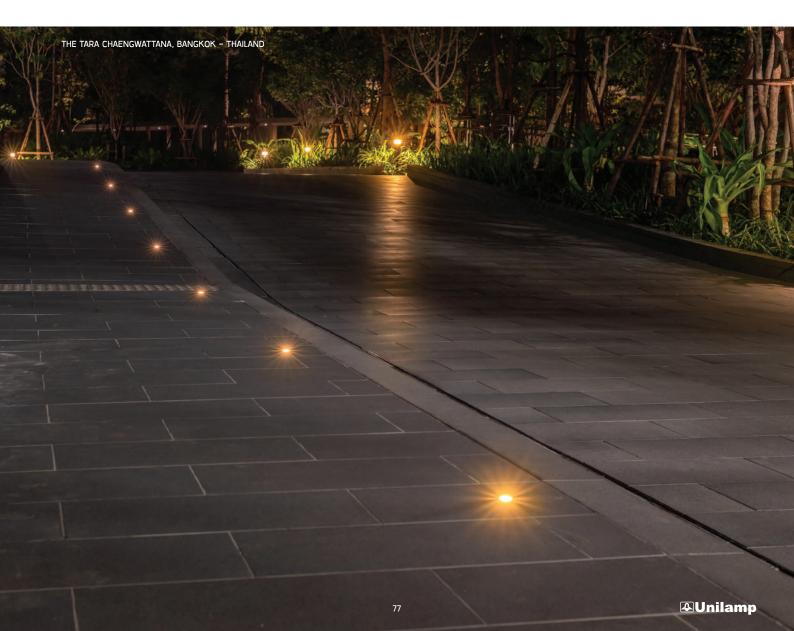


#### Specification

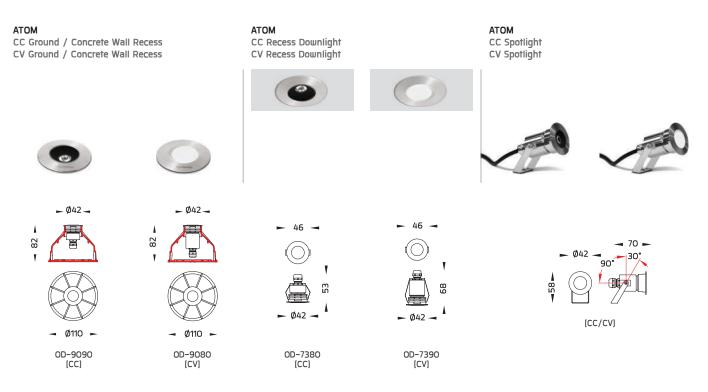
- Designed, Manufactured and Tested according to IEC 60598 •
- Marine grade 316 stainless steel body and screws.
- GFR polymer recess housing.

- Safety glass cover. Post-cured silicone gasket. High quality LED module. •

- Remote driver constant current / constant voltage. Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. For ground recess application, the water drainage system must be tested to • .
- ensure that it is working sufficiency and efficiency.



# ATOM

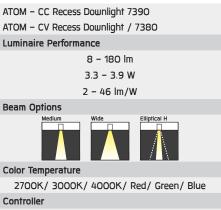


## ATOM

## INGROUND UPLIGHTER ATOM - CC Ground / Concrete Wall Recess / 9090 ATOM - CV Ground / Concrete Wall Recess / 9080 Luminaire Performance 8 - 180 lm 3.3 - 3.9 W 2 - 46 lm/W Beam Options Elliptical H Mide Color Temperature 2700K/ 3000K/ 4000K/ Red/ Green/ Blue Controller Remote Driver On-Off/ DALI

## ATOM

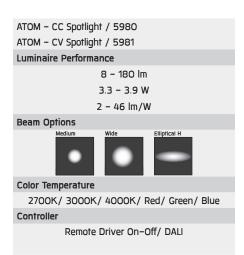
## RECESS DOWNLIGHT



#### Remote Driver On-Off/ DALI

## АТОМ

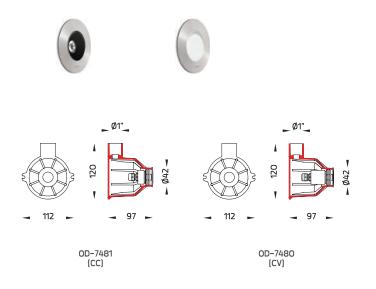
SPOTLIGHT



Accessories				
Softening filter	Tree strap	CC Driver	CV Driver	IP68 Connector

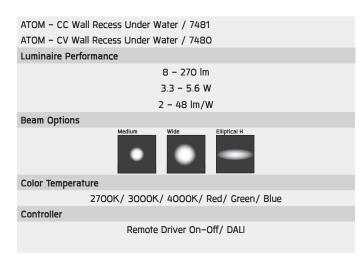
ATOM

#### ATOM CC Wall Recess Under Water CV Wall Recess Under Water



## ATOM

## UNDER WATER SPOTLIGHT



Accessori	Accessories		
$\bigcirc$	Softening filter		Distribution box
	CC Driver		CV Driver
BIS	IP68 Connector		

## UNDERWATER SPOTLIGHT





**VOLGA** is a family of robust marine grade stainless steel underwater luminaires with ground/wall mount fixing. It utilizes high power LED in 2700K, 3000K or 4000K with high quality optical lenses offering narrow, medium, wide light distributions as well as elliptical beam.

**VOLGA** is a perfect choice to illuminate swimming pools, decorative pools and fountains. To avoid installation issues and add another level of safety, **VOLGA** is pre-wired and sealed from the factory. It must be operated in a submersible state at all time to protect an over-heating of the luminaire body. The marine grade 316 stainless steel body guarantees corrosion free appearance through out the lifetime.

We highly recommend that the luminaire lay out should be considered during specifying and planning processes. Installation work must be carried out under national safety regulations.





#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- . Marine grade 316 stainless steel body and screws.
- . Safety glass cover.
- .
- .
- Post-cured silicone gasket. High quality LED module. Remote driver constant current (available separately). .
- Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. •
- To avoid over-heating, this luminaire must be used under water only. •



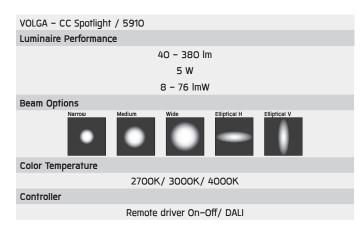
VOLGA CC Spotlight

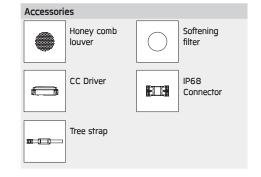




#### VOLGA

## UNDERWATER SPOTLIGHT





The upgrade version of VOLGA in ground/wall mount fixing, wall recessed underwater and ground recessed application with constant voltage drive will be available in 2023.



#### UNDERWATER SPOTLIGHT

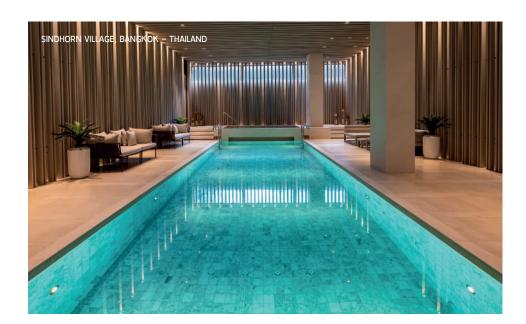








A family of recessed and surface mounted under water luminaires which are commonly used to illuminate swimming pools, decorative pools and fountains. Accessories include several watertight connecting devices. ACQUA/1 utilizes high power LED in 2700K, 3000K or 4000K and high quality optical lenses offering narrow, medium, wide, asymmetric and elliptical beam. To avoid installation issues and add another level of safety, ACQUA/1 is pre-wired with an anti-condensation process. To avoid over-heating of the luminaire body, ACQUA/1 must be operated in a submersible state at all time. The marine grade 316 stainless steel body guarantees corrosion free appearance throughout the life time. We highly recommend that the luminaire lay out should be considered during specifying and planning processes. Installation work must be carried out under national safety regulations.



ACQUA



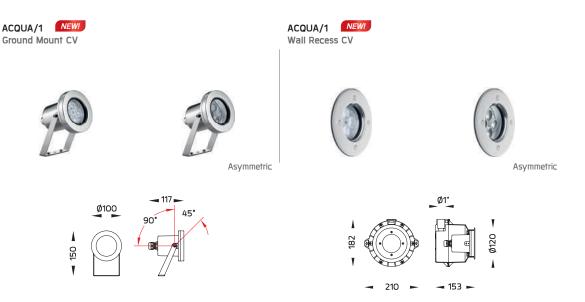


#### Specification

- Designed, Manufactured and Tested according to IEC 60598. Marine grade 316 stainless steel body and screws. GFR polymer recess housing. •
- •
- .
- . Safety glass cover.

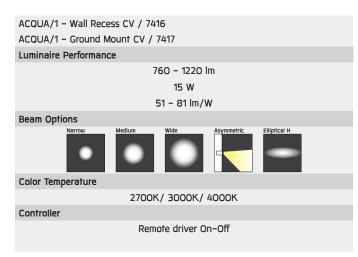
- Post-cured silicone gasket. High quality LED module. Remote driver constant voltage (available separately). •
- Pre-wired cable from the factory. •
- Installation must be carried out according to the enclosed product manual. •
- To avoid over-heating, this luminaire must be used under water only. •

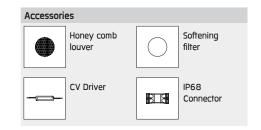
# ACQUA



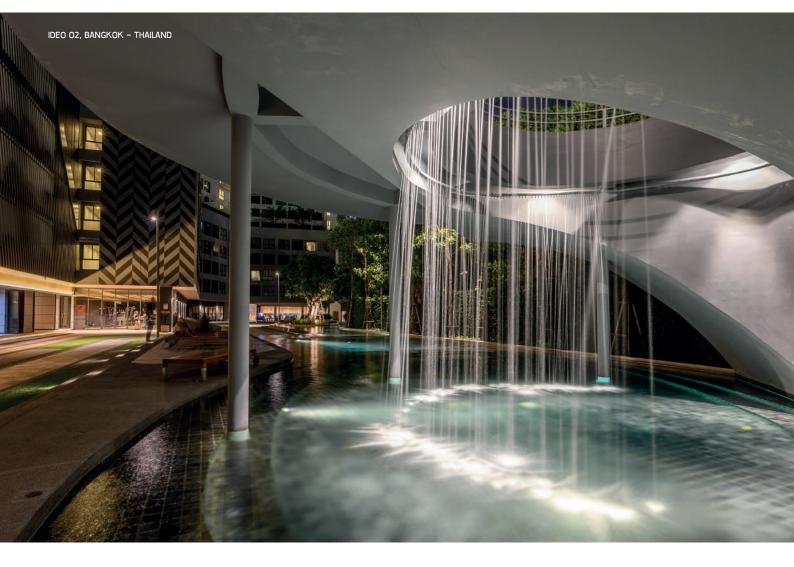
## ACQUA







ACQUA



#### UNDERWATER SPOTLIGHT





Content by Family

Content by Application





VAREE A family of LED underwater luminaires that are suitable to be installed on the ground, recess in a concrete wall or surface mounted. Operating with high lumen output LED from 2700K, 3000K or 4000K with high CRI in 3 steps SDCM.

VAREE is designed to illuminate swimming pools, decorative pools, fountains and any submersible application. A wide range of beam angles including Narrow, Medium, Wide and Elliptical beams as well as Asymmetric floor washer.

VAREE is pre-wired with underwater cable and is fitted with anti condensation device. To avoid over-heating, VAREE is equipped with a thermal cut-off device thus the luminaire has to be submerged at all time. The marine grade 316 stainless steel material and advance polymer guarantees corrosion free appearance through out the life time. We highly recommend that the luminaire lay out should be considered during specifying and planning processes. Installation work must be carried out under national safety regulations.



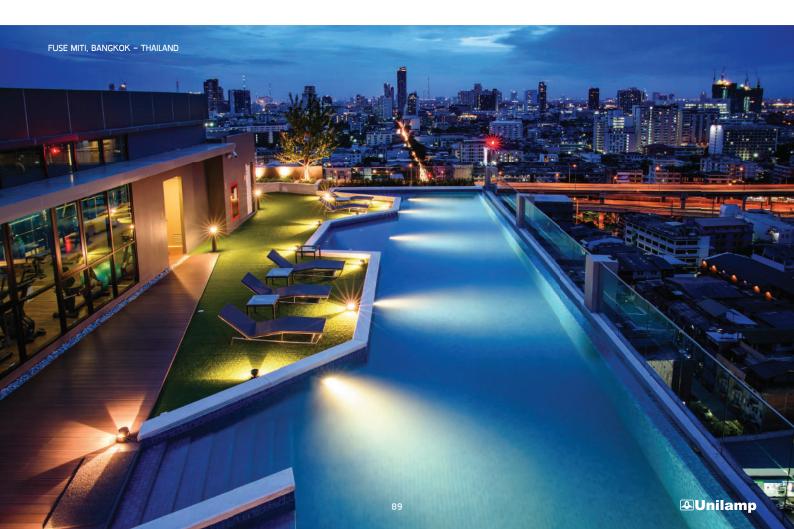


#### Specification

- Designed, Manufactured and Tested according to IEC 60598. Marine grade 316 stainless steel / GFR polymer body.

- Safety glass cover. Post-cured silicone gasket. High quality LED module.
- Precise beam control.

- Remote driver constant voltage (available separately). Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. To avoid over-heating, this luminaire must be used under water only.
- .

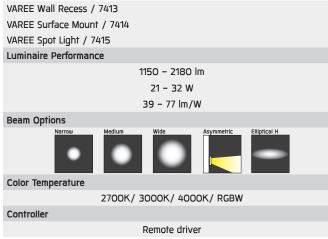


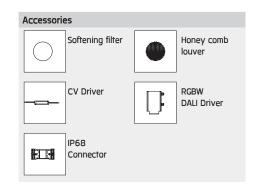




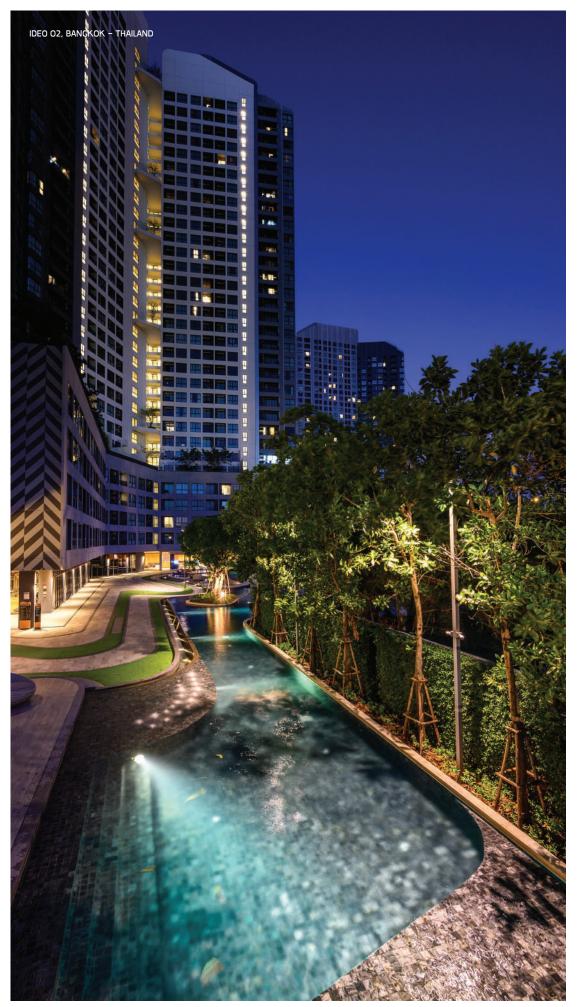
## VAREE







# VAREE



## WALL UP-DOWNLIGHT







Robust and rectangular in appearance, **ARGOS** offers a wide variety of lighting effects. This is a wall light with simple geometric shape, which suitable for facade application. It cans illuminate both upward and downward or in single direction depending on the desired lighting scheme. Through out state of art engineering and precise manufacturing processes offer reliable dust and water ingress protection of the luminaires. The quality LED modules deliver brilliant color rendering with high color consistency while maintaining a high-value luminaire efficiency.



**OUnilamp** 



#### 1. LED Module

High Power LED in SMD/COB technology. 2700K, 3000K and 4000K. CRI >80 / 3-Step MacAdam Ellipse.

#### 2. Safety Glass

Ultra white safety tempered glass cover. Protect against mechanical impact. Withstand the temperature up to 250°C

#### 3. Control Gear

High quality Constant Current driver. Conforms to safety and EMC regulation.

#### 4. Body Housing

Enhanced LM6 die-cast aluminium body. Low copper content (<0.1%) Uitilize 16 stages pre-treatment and coating process.



#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- . LM6 Die Cast Aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion. •
- Double layer coating. Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- GFR PA6.6 terminal block. .
- Weather proof TPE grommet. •
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# ARGOS

Mini ARGOS 1 Wall Downlight Mini ARGOS 2 Wall Downlight with Blade Effect Mini ARGOS 3 Wall Up/Downlight



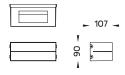
Mini ARGOS 4 Wall Up/Downlight with Blade Effect



Mini ARGOS 5 Wall Up/Downlight with Blade Effect



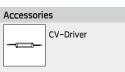


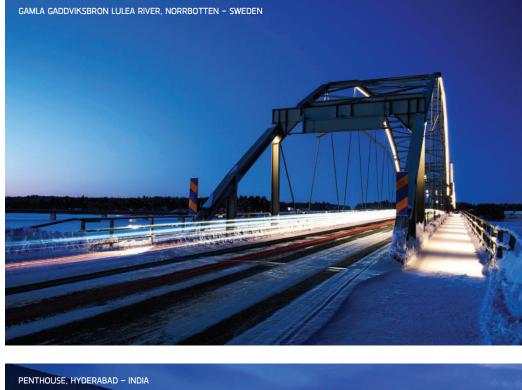


## Mini ARGOS

## WALL UP-DOWNLIGHT

Mini ARGOS 1 - Wall DownLight / 5401		
Mini ARGOS 2 – Wall Down Light with Blade Effect / 5403		
Mini ARGOS 3 - Wall Up/Downlight / 5405		
Mini ARGOS 4 – Wall Up/Down Light with Blade Effect / 5407		
Mini ARGOS 5 – Wall Up/Down Light with Blade Effect / 5409		
Luminaire Performance		
120 - 1900 lm		
6.4 – 19 W		
17 – 100 lm/W		
Beam Options		
Bi-Symmetric Asymmetric BladeEffect		
Color Temperature		
2700K/ 3000K/ 4000K		
Controller		
Remote Driver DALI		
Built-in Driver On-Off/ DALI		







## WALL UP-DOWNLIGHT









**DADOS** a cube-shaped and cylindrical-shaped compact LED wall light suitable for both outdoor and indoor environments. Due to the sturdy LM6 aluminium construction and clear tempered glass cover, DADOS is protected from dust and water and possible harmful impact. It is operated with COB LED in 2700K, 3000K and 4000K color temperature.



A precise Photopia-designed reflector casts the light in sharp contrast to the surrounding with zero amount of glare. DADOS provides visual guidance in the architectural environment while being an unobtrusive object during the day. Double layer surface coating is applied thoroughly on the housing therefore it is highly corrosion resistant to any extreme condition.



#### 1. Body Housing

Housing made from enhanced LM6 Die-Cast Aluminium with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

## 2. LED Module

COB Led directly attached to the body for fastest heat transfer. 2700K, 3000K and 4000K CRI>80

#### 3. Reflector

State of art high efficiency Computer-Aided design reflector.

#### 4. Driver

High quality LED constant current driver. Conform to applicable safety standards and electromagnetic compatibility.

5. Easy to install

Just one screw to securely lock or unlock the luminaire. Thank to a hook-lock mechanism.



#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body. •
- Stainless steel screws. .
- . Nano Ceramic surface conversion.
- Double layer coating.
- •
- Safety glass cover. Post-cured silicone gasket. •
- High quality LED module and driver. .
- Weather proof TPE grommet. •
- Installation must be carried out according to the enclosed product manual.

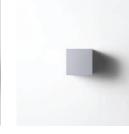
#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



# DADOS

Mini DADOS Round Wall Downlight Wall Up/Downlight **Mini DADOS Square** Wall Downlight Wall Up/Downlight









## Mini DADOS

## WALL UP-DOWNLIGHT

Mini DADOS Round 1 Wall Down Light / 5421		
Mini DADOS Round 2 Wall Up/Down Light / 5422		
Mini DADOS Square 1 Wall Down Light / 5411		
Mini DADOS Square 2 Wall Up/Down Light / 5412		
Luminaire Performance		
60 – 160 lm		
6.4 W		
9 – 25 lm/W		
Beam Options		
Color Temperature		
2700K/ 3000K/ 4000K		
Controller		
On-off control		



DADOS



# SKUNA

NEW Added





A new compact bollard and wall luminaire family featuring robust aluminium housing with various type of light distribution. **SKUNA** utilized LED modules from renowned manufacturer with high precision optical lenses offering narrow beam, medium beam, wide beam, forward throw and side throw light distribution. Featuring screw-less design housing made from copper free LM6 die-cast aluminium and S6063 extruded aluminium with Nano-Ceramic film protection. **SKUNA** is perfect for residential area as well as community-scale blocks.



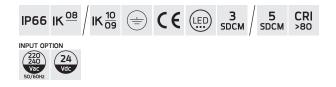
100











## Specification

- Designed, Manufactured and Tested according to IEC 60598. .
- LM6 Die Cast Aluminium / Extruded Aluminium Housing. .
- Stainless steel screws.
- Nano Ceramic surface conversion. •
- Double layer coating. Safety glass cover. •
- . .
- Post-cured silicone gasket. • High quality LED module and driver.
- GFR PA6.6 terminal block. • •
- Weather proof TPE grommet. •
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# SKUNA

Mini SKUNA1 Downlight / Downlight CVDA **Mini SKUNA2** Downlight



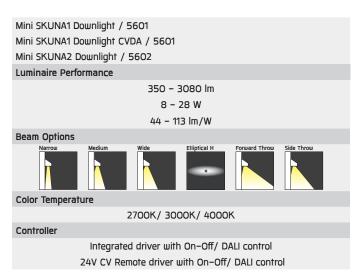






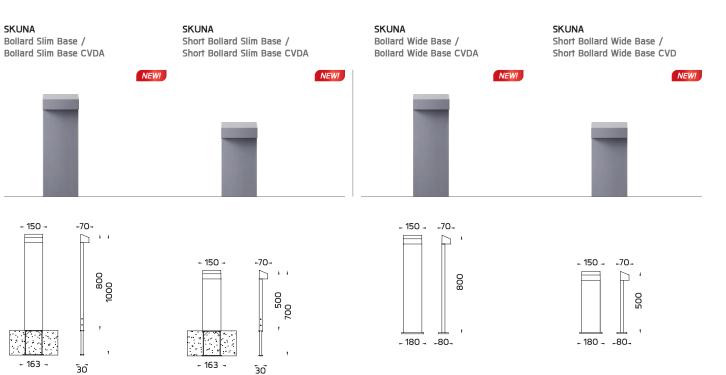
## Mini SKUNA

## GENERAL WALL LIGHT



1	Accessories			
		Softening filter		CV Driver

# SKUNA



## **SKUNA**

## BOLLARDS

SKUNA – Bollard Slim Base / 7848
SKUNA – Bollard Slim Base CVDA / 7848
SKUNA – Short Bollard Slim Base / 7849
SKUNA – Short Bollard Slim Base CVDA / 7849
Luminaire Performance
360 - 890 lm
8 – 15 W
44 - 63 lm/W
Beam Options
Forward Throw Side Throw
Color Temperature
2700K/ 3000K/ 4000K
Controller
Integrated driver with On-Off/ DALI control
24V CV Remote driver with On-Off/ DALI control

#### Accessories

\_\_\_\_

CV Driver

## **SKUNA**

## BOLLARDS

SKUNA – Bollard Wide Base / 7148
SKUNA – Bollard Wide Base CVDA / 7148
SKUNA – Short Bollard Wide Base / 7149
SKUNA – Short Bollard Wide Base CVDA / 7149
Luminaire Performance
360 - 890 lm
8 – 15 W
44 - 63 lm/W
Beam Options
Forward Throw Side Throw
Color Temperature
2700K/ 3000K/ 4000K
Controller
Integrated driver with On-Off/ DALI control
24V CV Remote driver with On-Off/ DALI control

#### Accessories





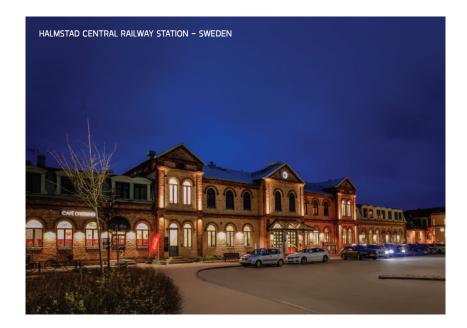


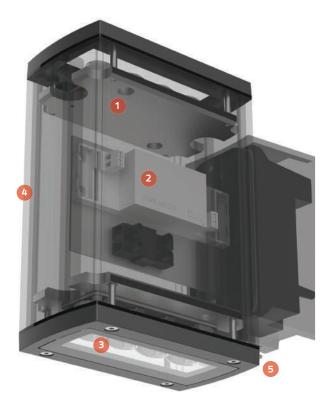




**BRONCO** is a vertical designed wall up and down light with high-power LED light source. The housing is made from extruded aluminium and LM6 die-cast aluminium which make it highly corrosion resistant to any extreme environment.

**BRONCO** is designed and tested under high ambient thermal condition. It is protected from the ingress of dust and water and is used for both outdoor and indoor installation. Operating with high lumen output LEDs in 2700K, 3000K and 4000K with 3 steps SDCM. **BRONCO** illuminates many lighting tasks in modern architectural surrounding and is commonly used in columns and facades lighting.





#### 1. Heat Sink

High purity Aluminium heat sink attached to the body for fastest heat transfer.

#### 2. Driver

High quality LED constant current driver. Complied with Safety and EMC regulations.

#### 3.LED

LED and optical lens from world renowned manufacturer. Available in narrow, wide, forward throw and sharp elliptical 2700K, 3000K and 4000K CRI>80 3-Step SDCM.

#### 4. Body Housing

Corrosion resistant extruded aluminium housing with Nano Ceramic protection film.

#### 5.Connector

Supplied with detachable connector for easy installation.



#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Weather proof TPE grommet.
- Installation must be carried out according to the enclosed product manual.

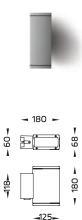
#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

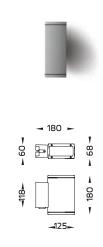


# BRONCO

#### BRONCO Wall Up/Downlight

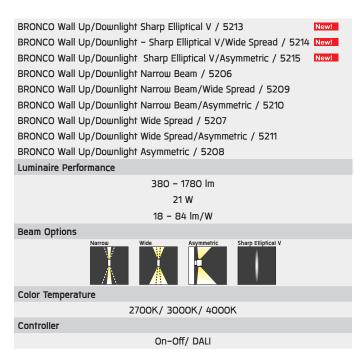


BRONCO Wall Downlight



## **BRONCO Wall Up/Downlight**

## WALL UP-DOWNLIGHT



## **BRONCO Wall Downlight**

## WALL UP-DOWNLIGHT

BRONCO Wall Downlight Sharp Elliptical V/ 5212       New!         BRONCO Wall Downlight Narrow Beam/ 5203       BRONCO Wall Downlight Wide Spread/ 5204	
BRONCO Wall Downlight Asymmetric/ 5205	
Luminaire Performance	
190 – 890 lm	
11 W	
17 - 80 lm/W	
Beam Options	
Narrow Wide Asymmetric Sharp Elliptical V	
Color Temperature	
2700K/ 3000K/ 4000K	
Controller	
On-Off/ DALI	

BRONCO



### WALL UP-DOWNLIGHT

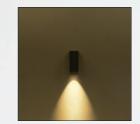
MIRA a family of small wall light characterized by clear and clean-cut line available in round and square body. The housing is made from copper free enhanced LM6 die-cast aluminium with high corrosion resistant property. The front glass cover is flush to the luminaire housing thus dust and water are not accumulated. MIRA utilizes COB LED from industry renowned manufacturer and is available in 2700K, 3000K or 4000K, all are 3-step SDCM. The specular computer-aided-design reflector with spill light cut-off louver provides sharp light distribution on the surfaces.



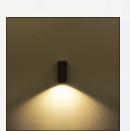


















#### Specification

- Designed, Manufactured and tested according to IEC 60598. .
- LM6 Die Cast Aluminium body. •
- Stainless steel screws. ٠
- Nano Ceramic surface conversion. •
- Double layer coating. •
- Safety glass cover. •
- Post-cured silicone gasket.
- High quality LED module and driver. Weather proof TPE grommet. ٠
- •
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

## MIRA

Mini MIRA Round Wall Downlight / Wall Up/Downlight



Mini MIRA Square Wall Downlight / Wall Up/Downlight







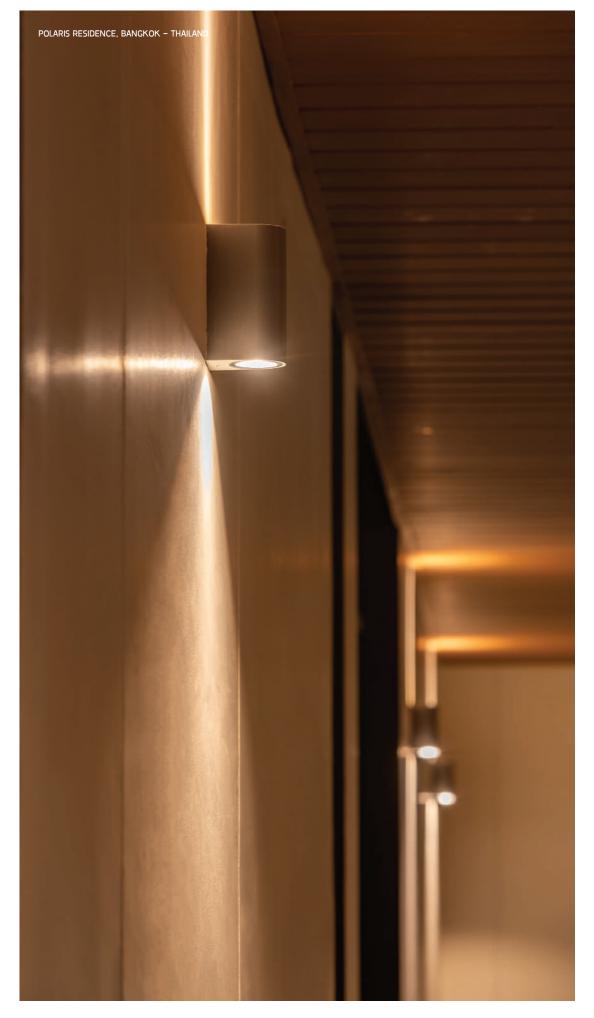


## MIRA

WALL UP-DOWNLIGHT

Mini MIRA Round – Wall Downlight / 5060					
Mini MIRA Round – Wall Up/Downlight / 5061					
Mini MIRA Square – Wall Downlight / 5160					
Mini MIRA Square – Wall Up/Downlight / 5161					
Luminaire Performance					
460 – 1300 lm					
8 - 14 W					
57 - 92 lm/W					
Beam Options					
Narrow Wide					
Color Temperature					
2700K/ 3000K/ 4000K					
Controller					
On-Off					

## MIRA





















**TUBE** a family of cylindrical shaped wall light, ceiling light and area light. The body components are made from extruded aluminium and LM6 aluminium which make them highly corrosion resistant to any extreme environment. **TUBE** is protected from the ingress of dust and water and are used in both outdoor and indoor environments. Fitted with COB LED in three color temperature from 2700K, 3000K or 4000K with high CRI. **TUBE** can solve many lighting tasks in modern architectural surrounds and are generally used in illuminating columns and facades. The pole lights give a great level of downward light with symmetric / asymmetric / side throw light distributions.







IP65	IP66	(=)	CE		AC	З SDCM	<b>CRI</b> >80	220 240 Vac 50/60Hz
IK <u>10</u>	IK <u>10</u>	IK 09 08	IK 09 07	IK 08 07	IK 08/06			

#### Specification

- Designed, Manufactured and tested according to IEC 60598. •
- LM6 Die Cast Aluminium and Extruded Aluminium body. •
- Stainless steel screws. •
- Nano Ceramic surface conversion. Double layer coating. •
- •
- Safety glass cover. .
- Post-cured silicone gasket.
- High quality LED module and driver. •
- •
- Weather proof TPE grommet. Installation must be carried out according to the enclosed product manual.

#### Available Color

.

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

Mini TUBE Wall Up/Downlight







Ø105

- 174 -

- 199 -

- 150 - - 78

Mini TUBE

Wall Downlight

Mini TUBE Suspension





Ø105

Mini TUBE Bollard / Single Sided

216

Ø105

199

1100

Ţ

Mini TUBE Bollard / Double Sided

-78

150

Ø105

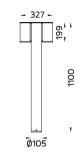
174

- 199

Mini TUBE

Wall Uplight





Mini TUBE

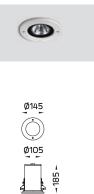
WALL LIGHT/ CEILING LIGHT/ BOLLARD

Mini TUBE – Wall Up/Downlight / 5001						
Mini TUBE – Wall Downlight / 5004						
Mini TUBE – Wall Uplight / 5044						
Mini TUBE – Surface Downlight / 4001						
Mini TUBE – Recess Downlight / 7312						
Mini TUBE – Suspension / 1001						
Mini TUBE – Bollard / Single Sided / 7144						
Mini TUBE – Bollard / Double Sided / 7145						
Luminaire Performance						
160 – 3300 lm						
10 - 28 W						
15 – 117 lm/W						
COB LED / High Power LED						
Beam Options						
Narrow Medium Wide Sharp Elliptical V Forward Throw Side Throw						
Color Temperature						
2700K/ 3000K/ 4000K						
Controller						
On-Off/ 1-10V/ DALI						

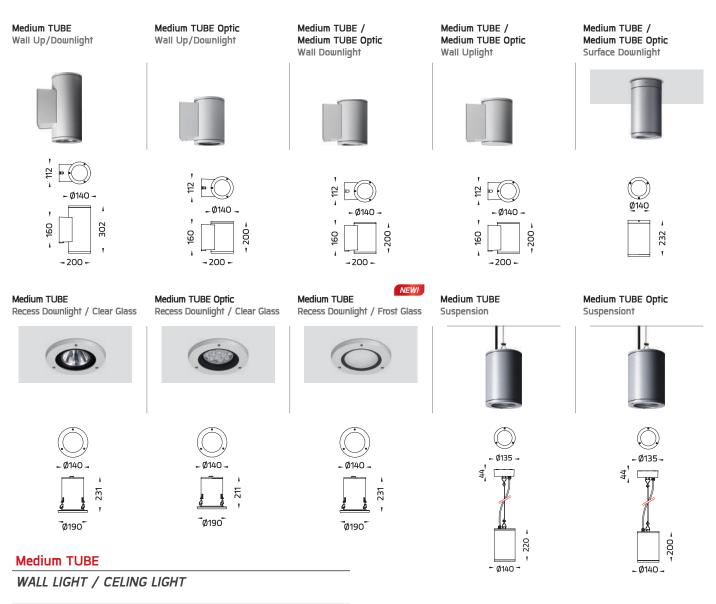
**Mini TUBE** Surface Downlight



Mini TUBE Recess Downlight

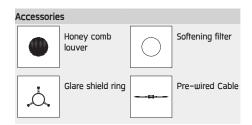


Accessories						
Jt	Anchor bolt		Pre-wired Cable			



Medium TUBE – Wall Up/Downlight / 5002
Medium TUBE Optic – Wall Up/Downlight / 5002
Medium TUBE – Wall Downlight / 5005
Medium TUBE Optic – Wall Downlight / 5005
Medium TUBE – Wall Uplight / 5045
Medium TUBE Optic - Wall Uplight / 5045
Medium TUBE – Surface Downlight / 4002
Medium TUBE Optic – Surface Downlight / 4002
Medium TUBE – Recess Downlight / Clear Glass / 7350
Medium TUBE Optic – Recess Downlight / Clear Glass / 7350
Medium TUBE – Recess Downlight / Frost Glass / 7351
Medium TUBE - Suspension / 1002
Medium TUBE Optic – Suspension / 1002
Luminaire Performance
1110 - 4520 lm
19 – 40 W
55 – 122 lm/W
COB LED / AC COB / High Power LED
Beam Options
Narrow Medium Wide Asymmetric Elliptical H
Color Temperature
2700K/ 3000K/ 4000K
Controller

On-Off/ 1-10V/ DALI AC COB with On-Off control



## 

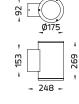
Maxi TUBE Wall Up/Downlight





Maxi TUBE

Wall Downlight



Maxi TUBE Suspension







- 367 -Ø175-

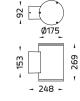
Ø300

447

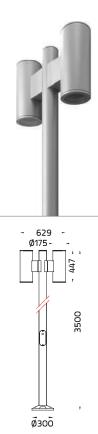
3500

Maxi TUBE Wall Uplight



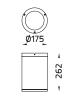


Maxi TUBE Pole Light / Double Sided



Maxi TUBE Surface Downlight





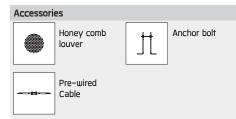




### Maxi TUBE

WALL LIGHT CEILING LIGHT POLE LIGHT

Maxi TUBE – Wall Up/Downlight / 5003					
Maxi TUBE – Wall Downlight / 5006					
Maxi TUBE – Wall Uplight / 5046					
Maxi TUBE – Surface Downlight / 4003					
Maxi TUBE – Recess Downlight / Clear Glass / 7304					
Maxi TUBE – Suspension / 1016					
Maxi TUBE – Pole Light / Single Sided / 7238					
Maxi TUBE – Pole Light / Double Sided / 7239					
Luminaire Performance					
1070 – 14920 lm					
20 - 152 W					
53 – 127 lm/W					
COB LED/ AC COB/ High Power LED					
Beam Options					
Narrow Medium Wide					
Asymmetric Road Optic					
Color Temperature					
2700K/ 3000K/ 4000K					
Controller					
On-Off/ 1-10V/ DALI					
AC COB with On-Off control					



Maxi TUBE Recess Downlight / Clear Glass







E C C

CbA CbF Content by Application Content by Family



WALL UP-DOWNLIGHT
 SURFACE DOWNLIGHT
 RECESS DOWNLIGHT

BOLLARDS

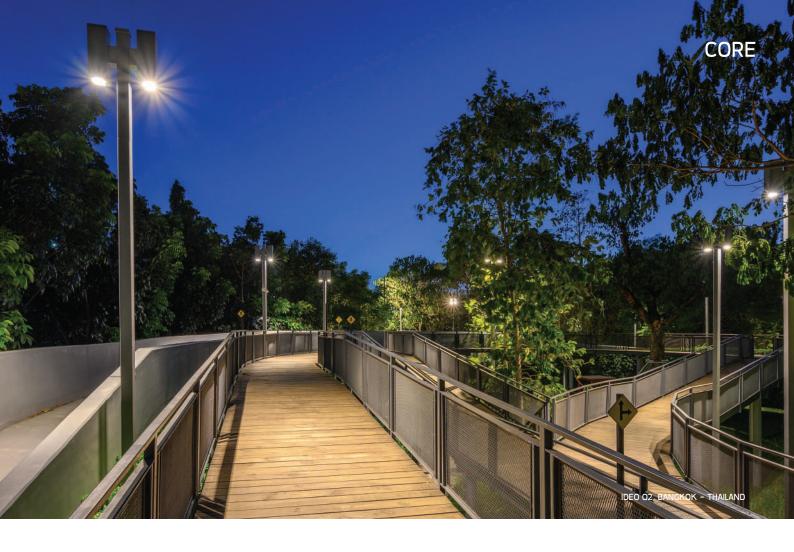




Characterized by clean and clear-cut lines **CORE** is a family of square wall light, ceiling light, bollard and pole lights. **CORE** is available in two sizes and equipped with COB LED / High Power LED in three color temperatures with exceptional color consistency. The computer-aided-design of the parabolic reflector provides efficient light emission and distribution. The housing is dust and water protected through the extensive engineering design and testing. **CORE** is recommended to illuminate columns, facades, walkways and various architectural design works. The pole lights give a great level of downward light with symmetric, asymmetric or side throw light distributions.









#### Specification

•

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
  - Stainless steel screws.
- Nano Ceramic surface conversion. •
- . Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver. Weather proof TPE grommet.
- •
- Installation must be carried out according to the enclosed product manual. .

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

## CORE

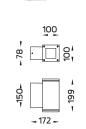
Mini CORE Wall Up/Downlight





Mini CORE

Wall Downlight



Mini CORE Bollard / Single Sided

150

214

1

172 -



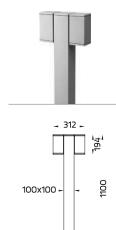
100x100 -

206

194

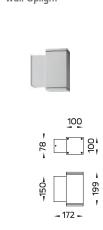
1100

Mini CORE Bollard / Double Sided



,

Mini CORE Wall Uplight



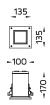
Mini CORE Surface Downlight



Mini CORE

Recess Downlight / Clear Glass

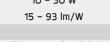




## **Mini CORE**

### WALL LIGHT/ CEILING LIGHT/ BOLLARD

Mini CORE – Wall Up/Downlight / 5111		
Mini CORE – Wall Downlight / 5112		
Mini CORE – Wall Uplight / 5144		
Mini CORE – Surface Downlight / 4112		
Mini CORE – Recess Downlight / Clear Glass / 7332		
Mini CORE – Bollard / Single Sided / 7146		
Mini CORE – Bollard / Double Sided / 7147		
Luminaire Performance		
160 – 2700 lm		
10 - 30 W		

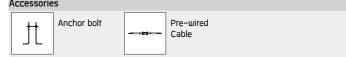




On-Off/ 1-10V/ DALI

#### Accessories

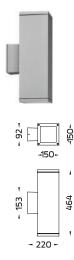
Controller



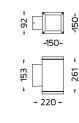




#### Maxi CORE Wall Up/Downlight



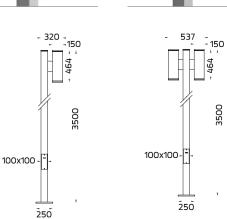
Maxi CORE Wall Downlight



Maxi CORE Pole Light / Single Sided



Maxi CORE Pole Light / Double Sided

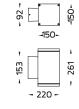


3500

,

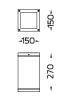
Maxi CORE Wall Uplight





Maxi CORE Surface Downlight





Maxi CORE

Recess Downlight / Clear Glass



- 192 -- 192 -- 150 -Å - 272

## Maxi CORE

### WALL LIGHT/ CEILING LIGHT/ POLE LIGHT

Maxi CORE – Wall Up/Downlight / 5101 Maxi CORE – Wall Downlight / 5102 Maxi CORE – Wall Uplight / 5145						
	Maxi CORE – Surface Downlight / 4102					
	Maxi CORE – Recess Downlight / Clear Glass / 7322					
	Maxi CORE – Pole Light / Single Sided / 7226					
	Maxi CORE – Pole Light / Double Sided / 7227					
	Luminaire Performance					
	1270 – 15220 lm					
	20 - 154 W					
60 - 135 lm/W						
Beam Options						
	Narrow Medium Wide Forward Throw Side Throw					
	Color Temperature					
2700K/ 3000K/ 4000K						
Controller						
	On-Off/ 1-10V/ DALI					

ŀ	Accessories							
	Ø	Glare Shield Ring	Ħ	Anchor bolt		Pre-wired Cable		

## 

-BRICK





**I-BRICK** is a range of wall recessed luminaires with LED light sources. A good glare control allows it to be installed in most places where a comfortable illumination is needed. The low energy consumption LED module saves operating cost while providing exceptional lighting levels.

**I-BRICK** is available in five different styles in two sizes. The shallow housing can be installed in either wall or step where recess depth is limited. The high quality LED driver is integrated inside the luminaire for ease of installation. I-BRICK is commonly used to illuminate stairways, pathways and walls.







#### Specification

- Designed, Manufactured and Tested according to IEC 60598. LM6 Die Cast Aluminium housing.
- . .
- Stainless steel screws. Nano Ceramic surface conversion.
- Double layer coating. Polycarbonate / Safety glass cover. Post-cured silicone gasket. .
- .
- High quality LED module and driver. .
- . GFR PA6.6 terminal block.
- Weather proof TPE grommet. .
- Installation must be carried out according to the enclosed product manual. .

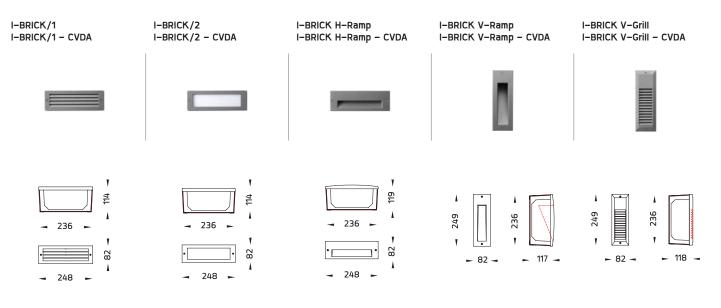
#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

VARNER HQ - BRIDGE BY THE WATERS, BILLINGSTAD - NORWAY



## I-BRICK



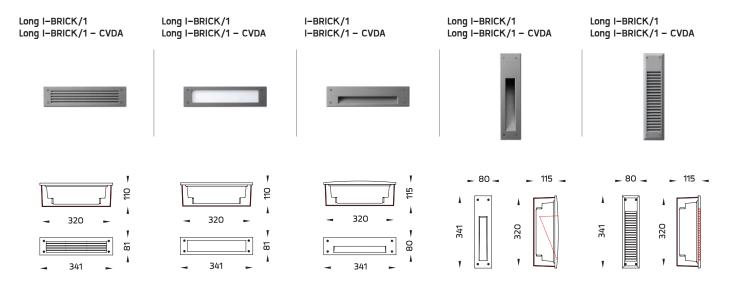
## I-BRICK

#### STEPLIGHT & WALL RECESSED LIGHT

I-BRICK/1 / 6000
I-BRICK/1 - CVDA / 6000 I-BRICK/2 / 6001
I-BRICK/2 - CVDA / 6001
I-BRICK H-Ramp / 6061
I-BRICK H-Ramp - CVDA / 6061
I-BRICK V-Ramp / 6063
I-BRICK V-Ramp - CVDA / 6063
I-BRICK V-Grill / 6065
I-BRICK V-Grill - CVDA / 6065
Luminaire Performance
20 – 260 lm
5 – 8 W
4 – 32 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
Remote driver with DALI control [24V CV]
Integrated Driver with On-Off/ DALI control
*Note: CVDA = Constant Voltage with DALI Control

Accessories		
	CV Driver	

## I-BRICK



## Long I-BRICK

### STEPLIGHT & WALL RECESSED LIGHT

Long I-BRICK/1 / 6041
Long I-BRICK/1 - CVDA / 6041
Long I-BRICK/2 / 6042
Long I-BRICK/2 - CVDA / 6042
Long I–BRICK H–Ramp / 6062
Long I–BRICK H–Ramp – CVDA / 6062
Long I-BRICK V-Ramp / 6064
Long I–BRICK V–Ramp – CVDA / 6064
Long I-BRICK V-Grill / 6066
Long I–BRICK V–Grill – CVDA / 6066
Luminaire Performance
20 –260 lm
5 – 8 W
4 – 32 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
Remote driver with DALI control [24V]
Integrated driver with On-Off control
*Note: CVDA = Constant Voltage with DALI Control

Accessori	es
	CV Driver

### STEPLIGHT & WALL RECESSED LIGHT



**DOT** family is a range of small recessed wall luminaires with LED light sources. Fitted with world renowned LED manufacturer DOT is highly efficient with low energy consumption. The glare-free cover enables them to be installed where comfortable illumination is required.

**DOT** is available in four different design in both square and round shapes. A very small and shallow housing allows the installation of the fixtures in wall or step that have limited recessing depth. DOT provides directional light for stairways and pathways where comfortable low level of light is preferred.

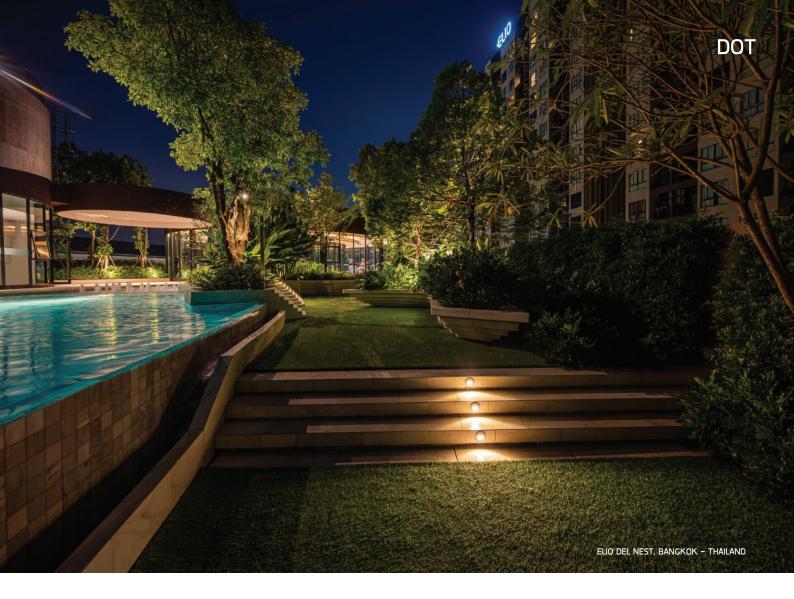






















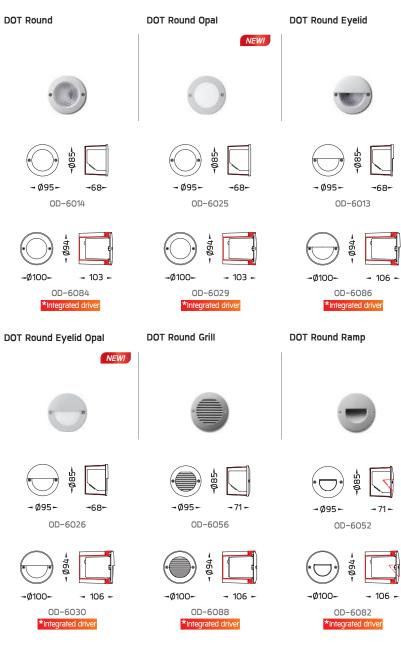
## Specification

- Designed, Manufactured and tested according to IEC 60598. LM6 Die Cast Aluminium body/ GFR polymer body. •
- .
- Stainless steel screws.
- Nano Ceramic surface conversion.
- .
- Double layer coating. Safety glass cover/ Polycarbonate cover. .
- Post-cured silicone gasket. .
- High quality LED module.
- Available with integrated driver or remote driver. Weather proof grommet.
- .
- Installation must be carried out according to the enclosed product manual. .

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	[replace the last 2 digits of ordering code with 07]

# DOT



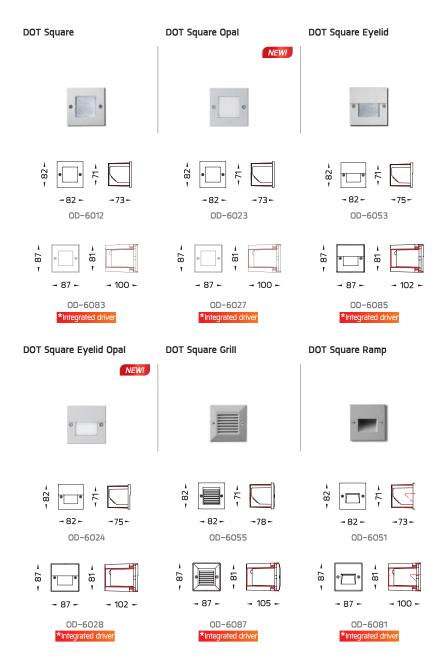
## DOT Round

### STEPLIGHT & WALL RECESSED LIGHT

DOT Round / 6014 / 6084	
DOT Round Opal / 6025 / 6029	New!
DOT Round Eyelid / 6013 / 6086	
DOT Round Eyelid Opal / 6026 / 6030	New!
DOT Round Grill / 6056 / 6088	
DOT Round Ramp / 6052 / 6082	
Luminaire Performance	
5 – 160 lm	
2 – 4 W	
2 – 47 lm/W	
Beam Options	
Color Temperature	
2700K/ 3000K/ 4000K/ Red/ Green/ Blue	
Controller	
Remote driver On-Off / DALI control	
Integrated Driver with On-Off control	

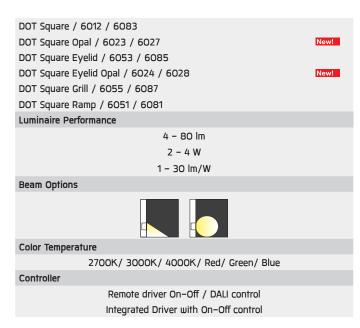
Accessories			
£	CC Driver		Distribution box

DOT



## **DOT Square**

### STEPLIGHT & WALL RECESSED LIGHT



Accessories			
	CC Driver		Distribution box







Wall recessed fixtures **PLUTO** is available with LED light source in 2700K, 3000K or 4000K with high CRI and exceptional color consistency. **PLUTO-Ramp** with its glare free downward light distribution is a perfect fitting for pathway or stair case illumination. **PLUTO-Flat** is assembled with a unique white ceramic-coated tempered glass and it illuminates not only the ground surface but also its surroundings. The slim-recessed housing enables it to be installed in thin wall applications.







## **PLUTO**

#### 1. Body Housing

Enhanced LM6 Die-Cast Alumvnium housing with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

#### 2. Diffuser

Impact resistant safety tempered glass diffuser with micro-pattern arrays. Light spread evenly on the ground.

#### 3. LED

Array of mid power LED from world renowned manufacturer. Module attached on to heat conductive material. 2700K, 3000K and 4000K CRI>80 3-Step SDCM.

#### 4. Driver

High quality LED constant current driver. Complied with Safety and EMC regulations.

# IP65 IK $\frac{10}{08}$ $\frac{3}{\text{SDCM}}$ OR IK $\frac{09}{07}$ $\frac{5}{\text{SDCM}}$ $\stackrel{\bigcirc}{=}$ CE $\stackrel{\bigcirc}{\textcircled{\baselineskip}{\baselineskip}}$ $\frac{3}{\text{SDCM}}$ $\stackrel{\bigcirc}{\overset{\bigcirc}{\overset{\frown}{\textcircled{\baselineskip}{\baselineskip}}}$

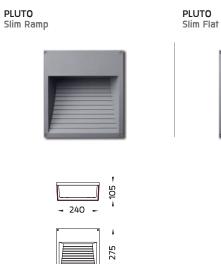
#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- LM6 Die Cast Aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- GFR PA6.6 terminal block.
- Weather proof TPE grommet.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# **PLUTO**



1

- 250 -

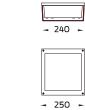


7

4 275

1

-

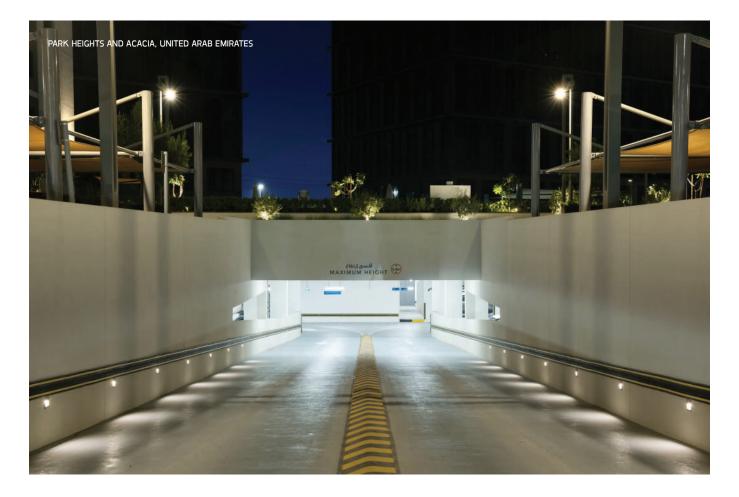


## **PLUTO**

STEPLIGHT & WALL RECESSED LIGHT

PLUTO – Slim Ramp / 6015
PLUTO – Slim Flat / 6031
Luminaire Performance
550 – 1310 lm
12 – 26 W
34 – 55 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ DALI

## PLUTO











GENERAL WALL LIGHT

STEPLIGHT & WALL RECESSED LIGHT











**ZOUK** is delicately designed and engineered for slim profile surface mounted and wall recessed light, featured low glare with screw-less appearance. Manufactured from LM6 Aluminium the housing is built to last and be situated in the the harshest of climates. The coating of Nano Ceramic film and double layer of durable paint ensures longevity. Built with the mindset of light comfort and soft visualization. Light source is CRI > 80 with an offering of 2700K, 3000k and 4000k. Available in various designs to compliment both commercial and residential applications.



## ZOUK

#### 1. Body Housing.

Enhanced LM6 Die-Cast Aluminium housing with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

#### 2. Diffuser

Impact resistant safety tempered glass diffuser with etched surface . Light spread evenly on the ground.

#### 3. LED

Array of mid power LED from world renowned manufacturer. Module attached directly to the body for fastest heat transfer. 2700K, 3000K and 4000K CRI>80 3-Step SDCM.

#### 4. Driver

High quality LED constant current driver. Conform to applicable safety standards and electromagnetic compatibility.

#### 5. Screw less

Clear and clean cut design. No visible screw from mounting point of view.



#### Specification

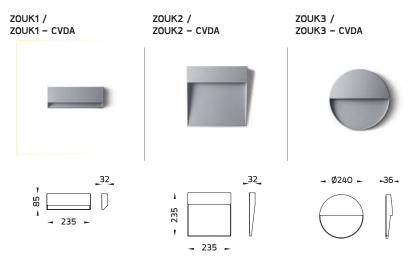
- Designed, Manufactured and Tested according to IEC 60598.
- LM6 Die Cast Aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- GFR PA6.6 terminal block.
- Weather proof TPE grommet.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



# ZOUK

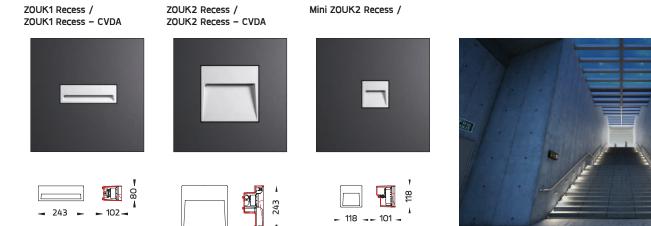


## ZOUK

GENERAL WALL LIGHT

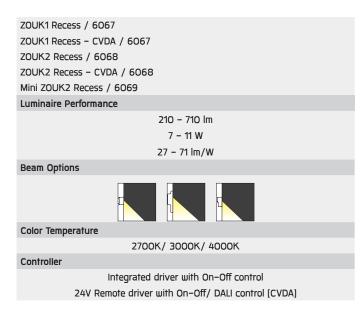
ZOUK1 / 7052 ZOUK1 - CVDA / 7052 ZOUK2 / 7053 ZOUK2 - CVDA / 7053 ZOUK3 / 7054 ZOUK3 - CVDA / 7054 Luminaire Performance 240 - 440 lm 7 – 11 W 30 - 48 lm/W **Beam Options** Color Temperature 2700K/ 3000K/ 4000K Controller Integrated driver with On–Off control 24V Remote driver with On-Off/ DALI control [CVDA]

Accessories
CV Driver



## ZOUK

## STEPLIGHT & WALL RECESSED LIGHT



- 246

-

- 112 -





GENERAL WALL LIGHT

**RETINA** is a round wall/ceiling light with robust aluminium construction and impact resistant polycarbonate diffuser. The LED module is available with built-in microwave motion sensor and hi-low light function. The high protection rating of IP65 and IKO9 allows **RETINA** to be installed in rough outdoor environments. With a diffused light distribution, it provides smooth and uniform illumination in private and public areas and is also suitable for commercial use. The front cover is available in various designs; moreover, **RETINA** is available in two sizes with the choice of six different colors. The LED module is easily replaceable for future upgrade.

RETINA





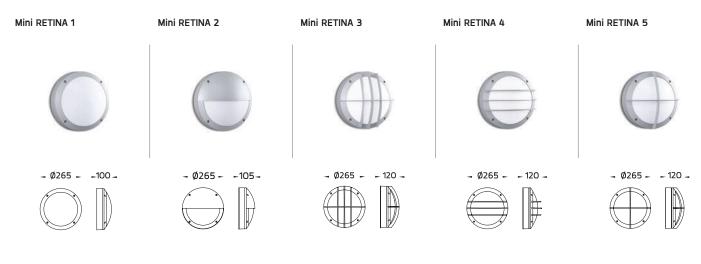
#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body.
- Stainless steel screws
- Nano Ceramic surface conversion.
- Double layer coating.
- Polycarbonate diffuser.
- Post-cured silicone gasket.
- High quality LED module and driver. Replaceable for future upgrade.
- Optional with motion detector (Microwave Sensor).
- Push-in connector for easy installation.
- Installation work has to be carried out according to the enclosed product manual.

#### Available Color

Black Graphite Dark Grey Aluminium Silver White Wooden Brown [replace the last 2 digits of ordering code with 01] [replace the last 2 digits of ordering code with 02] [replace the last 2 digits of ordering code with 03] [replace the last 2 digits of ordering code with 04] [replace the last 2 digits of ordering code with 06] [replace the last 2 digits of ordering code with 07]

# RETINA



### Mini RETINA Flat



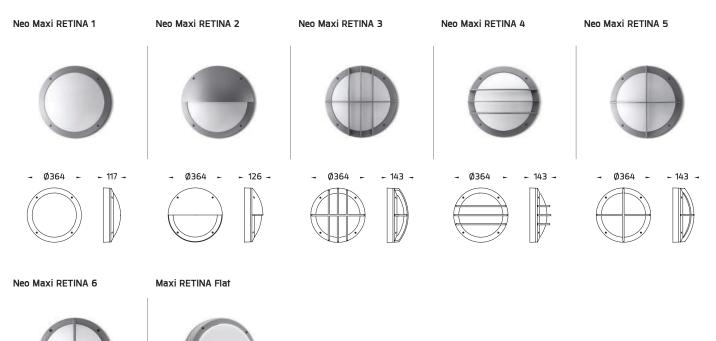
- Ø265 - -72 -

## **Mini RETINA**

GENERAL WALL LIGHT

Mini RETINA 1 / 7009	
Mini RETINA 2 / 7015	
Mini RETINA 3 / 7013	
Mini RETINA 4 / 7047	
Mini RETINA 5 / 7037	
Mini RETINA Flat / 7072	
Luminaire Performance	
	430 – 950 lm
	12 – 15 W
	32 – 74 lm/W
Beam Options	
Color Temperature	
	3000K/ 4000K
Controller	
On-O	ff/ Motion Sensor/ DALI

## RETINA





Ø364 -

-

- 193 -

- Ø364 -

- 87 -

GENERAL WALL LIGHT

Neo Maxi RETINA 1 / 7080		
Neo Maxi RETINA 2 / 7081		
Neo Maxi RETINA 3 / 7082		
Neo Maxi RETINA 4 / 7083		
Neo Maxi RETINA 5 / 7084		
Neo Maxi RETINA 6 / 7085		
Maxi RETINA Flat / 7073		
Luminaire Performance		
	510 – 1870 lm	
	23 – 28 W	
	22 - 74 lm/W	
Beam Options		
Color Temperature		
	3000K/ 4000K	
Controller		
On-Off/ Motion Sensor/ DALI		



## GENERAL WALL LIGHT



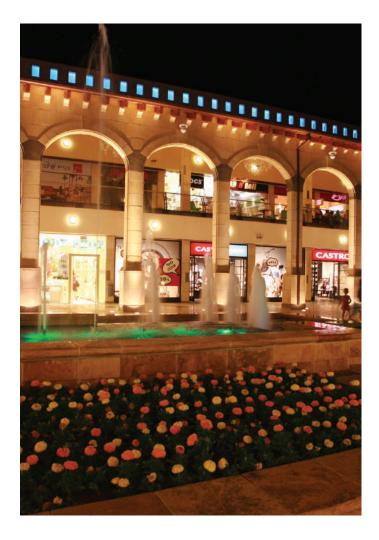






**ECLIPSE** is a round-shaped wall or ceiling fitting with a decorative element of 360° side emission. It has a well-made aluminium construction and high impact resistant polycarbonate cover. The high protection rating of IP65 and IKO9 allows **ECLIPSE** to be installed in the harshest outdoor environment. With the diffused light distribution, it provides general lighting to private places, public areas and commercial areas. **ECLIPSE** utilizes high quality LED light source and is available in both 3000K and 4000K.

# **ECLIPSE**



ECLIPSE





### Specification

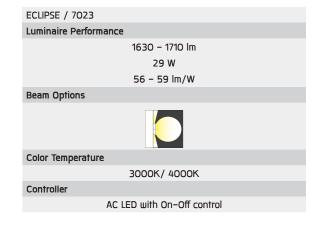
- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Polycarbonate diffuser.
- Post-cured silicone gasket.
- High quality AC LED module. Replaceable for future upgrade.
- Weather proof TPE grommet.
- Installation work has to be carried out according to the enclosed product manual.

### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

### ECLIPSE

GENERAL WALL LIGHT



GENERAL WALL LIGHT



CbF

Content by Family

CbA Content by Application









Square in shape **DRIFT** wall and ceiling lights have a rugged aluminium structure and impact resistant polycarbonate diffuser. The LED module is available with built-in microwave motion sensor and hi-low light function. The color temperature is 3000K or 4000K with choice of Dali option. The high protection rating of IP65 and IKO9 allows DRIFT to be installed in the harshest outdoor environments. With the diffused light distribution, it provides good low glare general lighting to private and public areas. The front cover is available in various designs; moreover, DRIFT is available with the choice of six different colors.

POLARIS RESIDENCE, BANGKOK - THAILAND





### Specification

- Designed, Manufactured and tested according to IEC 60598. LM6 Die Cast Aluminium body. Stainless steel screws.

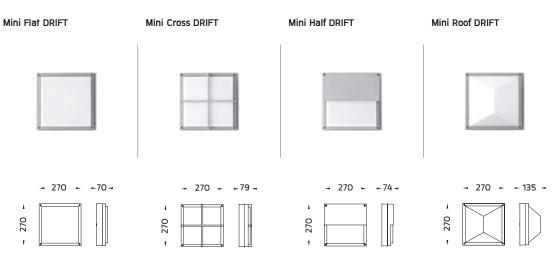
- Nano Ceramic surface conversion.
- Double layer coating. Polycarbonate diffuser.
- Post-cured silicone gasket. High quality LED module and driver. Replaceable for future upgrade.

- High quality LED module and driver, replaceable for furthe opgrade. Optional with motion detector (Microwave Sensor). Push-in connector for easy installation. Installation work has to be carried out according to the enclosed product manual.

### Available Color

Black	[replace the last 2 digits of ordering code with O1]
Graphite	[replace the last 2 digits of ordering code with O2]
Dark Grey	[replace the last 2 digits of ordering code with O3]
Aluminium Silver	[replace the last 2 digits of ordering code with O4]
White	[replace the last 2 digits of ordering code with O6]
Wooden Brown	[replace the last 2 digits of ordering code with 07]

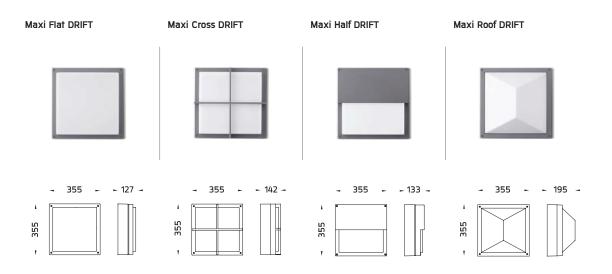
# DRIFT



### **Mini DRIFT**

Mini Flat DRIFT / 7024 Mini Cross DRIFT / 7033 Mini Half DRIFT / 7035 Mini Roof DRIFT / 7039		
Luminaire Performance		
	250 – 560 lm	
	12 – 15 W	
	18 – 43 lm/W	
Beam Options		
Color Temperature		
	3000K/ 4000K	
Controller		
Or	-Off/ Motion Sensor/ DALI	

DRIFT



### Maxi DRIFT

GENERAL WALL LIGHT

Maxi Flat DRIFT / 7032 Maxi Cross DRIFT / 7034 Maxi Half DRIFT / 7036
Maxi Roof DRIFT / 7040
Luminaire Performance
830 – 1860 lm
23 - 26 W
36 – 74 lm/W
Beam Options
Color Temperature
3000K/ 4000K
Controller
On-Off/ Motion Sensor/ DALI



# AGAR







AGAR a range of wall light and bollard with COB LED which are generally installed in the walk ways, parks and open spaces. The vandal resistant polycarbonate diffuser is available in prismatic or opal option. It spreads the light evenly on walls and surfaces. AGAR provides glare free lighting for the architectural environment as well as being an eye-catching object. Three color temperatures with a high CRI makes AGAR suitable for professional lighting application. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.





# 

### Specification

- Designed, Manufactured and tested according to IEC 60598
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Polycarbonate protective cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- GFR PA6.6 Terminal block.
- Weather proof TPE grommet.
- Bollard pre-wired with outdoor cable.
- Installation must be carried out according to the enclosed product manual.

### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

### 1. LED Module

High Power LED in COB technology. 2700K, 3000K and 4000K. CRI >80 / 3-Step MacAdam Ellipse.

### 2. Diffuser

Self-extinguishing PC diffuser. Protect against mechanical impact. UV stabilized.

### 3. Heat Sink

Integrated CFC-AL<sup>®</sup> heat sink. Designed and tested under ambient thermal condition Ta 40°C-50°C.

### 4. Control Gear

High quality Constant Current driver. Conforms to safety and EMC regulation.

### 5. Body Housing

Enhanced LM6 die-cast aluminium body. Low copper content (<0.1%) Uitilize 16 stages pre-treatment and coating process.



# AGAR



### AGAR

BOLLARDS

Mini AGAR Prismatic - Bollard / 7154 Mini AGAR Opal - Bollard / 7155 AGAR Prismatic - Indirect Light Bollard / 7123 AGAR Opal - Direct Light Bollard / 7124 LED Module 160 - 2490 lm 10 - 43W 13 - 61 lm/W COB LED / AC COB Beam Options Color Temperature 2700K/ 3000K/ 4000K Controller AC COB with On-Off control COB LED with On-Off control

Accessorie	25		
t	Anchor bolt	BEB	IP68 Connector

Mini AGAR Prismatic Wall Light

Mini AGAR Opal Wall Light

0110 - 93 -



AGAR Prismatic Wall Light



AGAR Opal

Wall Light



### AGAR

Controller

GENERAL WALL LIGHT

Mini AGAR Prismatic - Wall Light / 7019 Mini AGAR Opal - Wall Light / 7020 AGAR Opal - Wall Light / 7030 LED Module 160 - 1660 lm 10 - 28 W 13 - 75 lm/W COB LED/ AC COB Beam Options Color Temperature 2700K/ 3000K/ 4000K

> AC COB with On-Off control COB LED with On-Off/ 1-10V/ DALI control



BOLLARDS









The CAP Family is a fresh range of bollards and low mounted pole lights\*. Designed from scratch with the latest lighting requirements in mind. The highly efficient LEDs are shielded and emit no upward light. The light engine features great color consistency, excellent color rendering index and dimming options. Specification grade optics make the medium sized version\* a highly competitive lighting tool for demanding professional lighting tasks. With its compact dimensions the small sized CAP is a smart solution for residential lighting projects. Regardless of size the prewired supply cable, numerous mounting solutions and minimized amount of screws assure a simplified installation process.

Medium size version. \*Available in September 2022.





### Specification

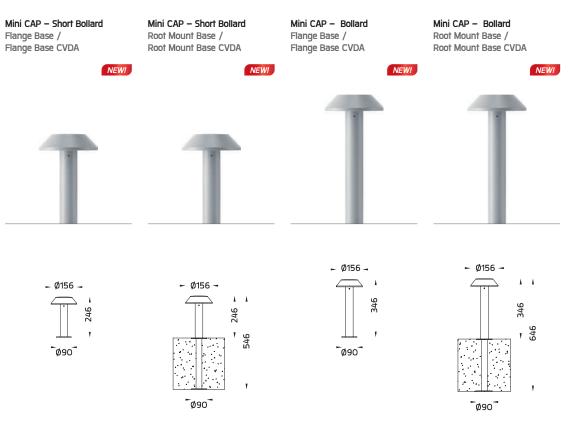
- Designed, Manufactured and tested according to IEC 60598
- LM6 Die Cast Aluminium and Extruded Aluminium body. ٠
- Stainless steel screws. •
- Nano Ceramic surface conversion. •
- Double layer coating.
- Safety glass cover. •
- Post-cured silicone gasket. •
- •
- High quality LED module and driver. Bollard pre-wired with outdoor cable. •
- Installation must be carried out according to the enclosed product manual. •

Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



# CAP



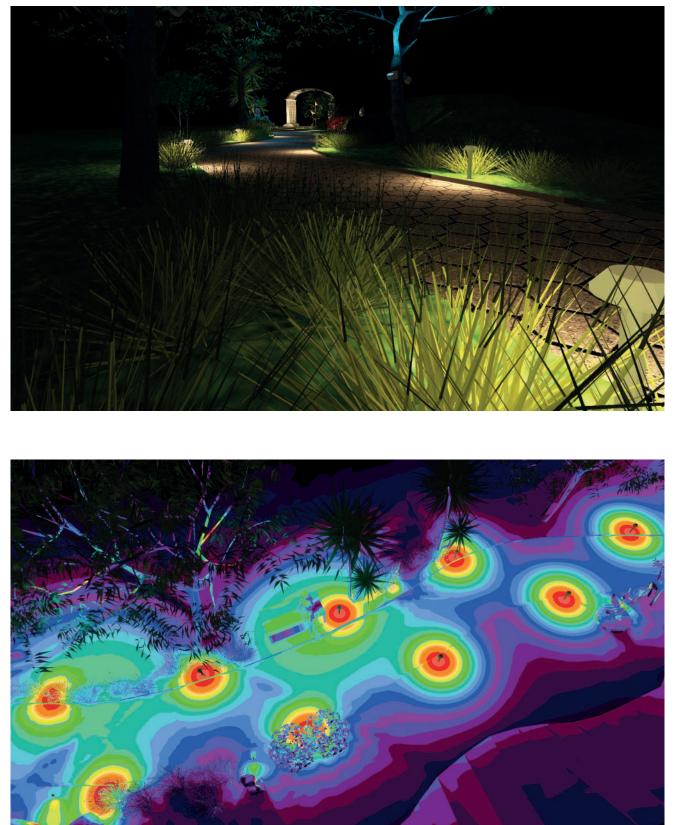
### Mini CAP

### BOLLARDS

Mini CAP – Short Bollard Flange Base / Flange Base CVDA / 7178 Mini CAP – Short Bollard Root Mount Base / Root Mount Base CVDA / 7878
Mini CAP – Bollard Flange Base / Flange Base CVDA / 7177
Mini CAP – Bollard Root Mount Base / Root Mount Base CVDA / 7877
LED Module
640 - 1010 lm
7 – 9W
91 – 112 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off
24V Remote driver On-Off / DALI (CVDA)

Accessorie	15	
	Pre-wired cable	CV Driver

### Mini CAP Bollard simulation









**CYCLOPS** family is an innovative walkway lighting solution with shielded light sources. Delivering light exactly where it is needed without disruptive glare. Operated with multiple LED with built in heat sink. The light is precisely controlled by carefully designed lenses and is directed onto the illuminated surface. The vandal resistant clear polycarbonate cover protects the bollard from harmful impact, dust and water. CYCLOPS is available in two sizes and two heights with 180 and 360-degree light distribution. CYCLOPS can be installed in residential areas, walkways, parks, commercial areas and open spaces. It provides illumination for modern architectural environment as well as being an eye-catching object. Pre-wired cables and a twist-locking mechanism ensure an easy installation. CYCLOPS can be customized to required heights. The anchorage unit for concrete foundation is available as an accessory.











### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws. .
- . Nano Ceramic surface conversion.
- Double layer coating.
- •
- .
- Polycarbonate protective cover. Post-cured silicone gasket.
- High quality LED module and driver. .
- Pre-wired cable from the factory. .
- Installation must be carried out according to the enclosed product manual.

### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

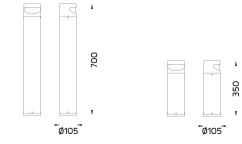
# **CYCLOPS**

Mini CYCLOPS Single Sided / Single Sided CVDA Mini CYCLOPS Short Single Sided / Short Single Sided CVDA



Å

,

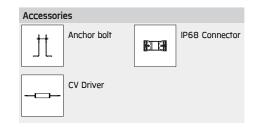




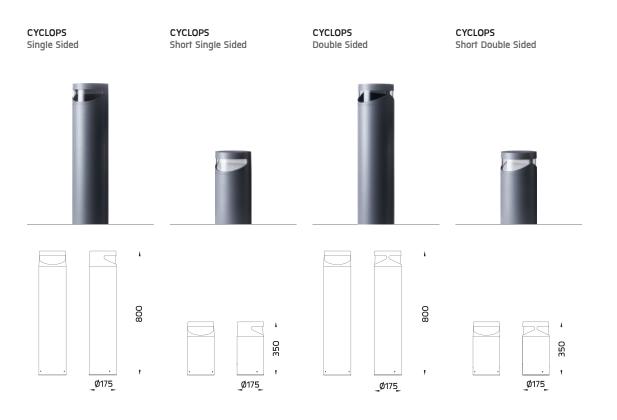
### Mini CYCLOPS

### BOLLARDS

Mini CYCLOPS – Single Sided / 7175
Mini CYCLOPS – Single Sided CVDA / 7175
Mini CYCLOPS – Short Single Sided / 7176
Mini CYCLOPS – Short Single Sided CVDA / 7176
Luminaire Performance
190 - 1070 lm
7.5 – 16 W
22 – 77 lm/W
Beam Options
Forward Throw Side Throw
Color Temperature
2700K/ 3000K/ 4000K
Controller
24V Remote driver with On-Off/ DALI control (CVDA)
Built-in driver with On-Off/ DALI control



# CYCLOPS



### CYCLOPS

### BOLLARDS

CYCLOPS – Single Sided / 7171		
CYCLOPS – Double Sided / 7172		
CYCLOPS - Short Single Sided / 7173		
CYCLOPS - Short Double Sided / 7174		
Luminaire Performance		
320 - 1600 lm		
10 –25 W		
30 –64 lm/W		
Beam Options		
Forward Throw		
Color Temperature		
2700K/ 3000K/ 4000K		
Controller		
On-Off/ 1-10V/ DALI		

Accessori	es		
Ħ	Anchor bolt	BLE	IP68 Connector

BOLLARDS



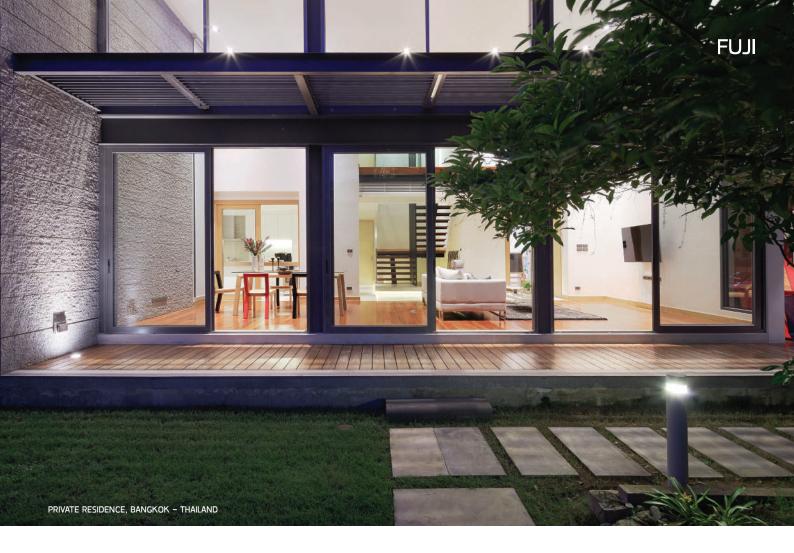
**FUJI** is a family of shielded bollard with symmetrical light distribution. **FUJI** is fitted with the latest generation of COB LED with exceptional color consistency. It is generally installed in walkways, parks, commercial areas and open spaces. It provides general lighting for the residential areas where light pollution has to be controlled. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.













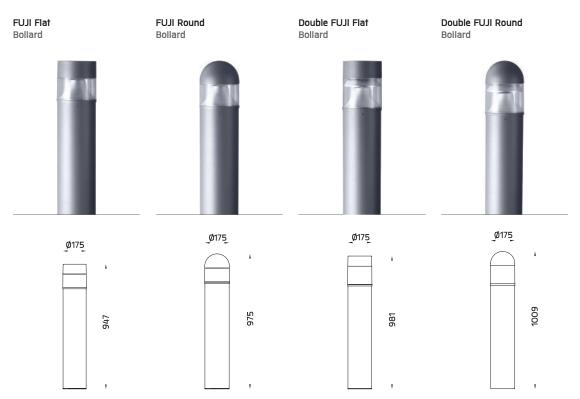
### Specification

- Designed, Manufactured and tested according to IEC 60598. .
- LM6 Die Cast Aluminium and Extruded Aluminium body.
  - .
- Stainless steel screws. Nano Ceramic surface conversion.
- Double layer coating. .
- Polycarbonate protective cover.
- Anodized aluminium reflector.
- Post-cured silicone gasket. High quality LED module and driver.
- Pre-wired cable from the factory. .
- Installation must be carried out according to the enclosed product manual. •

### Available Color

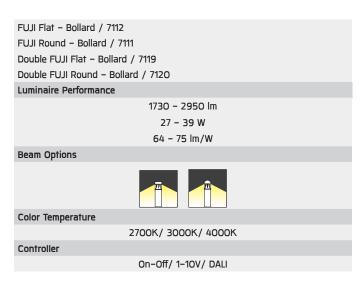
Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# FUJI

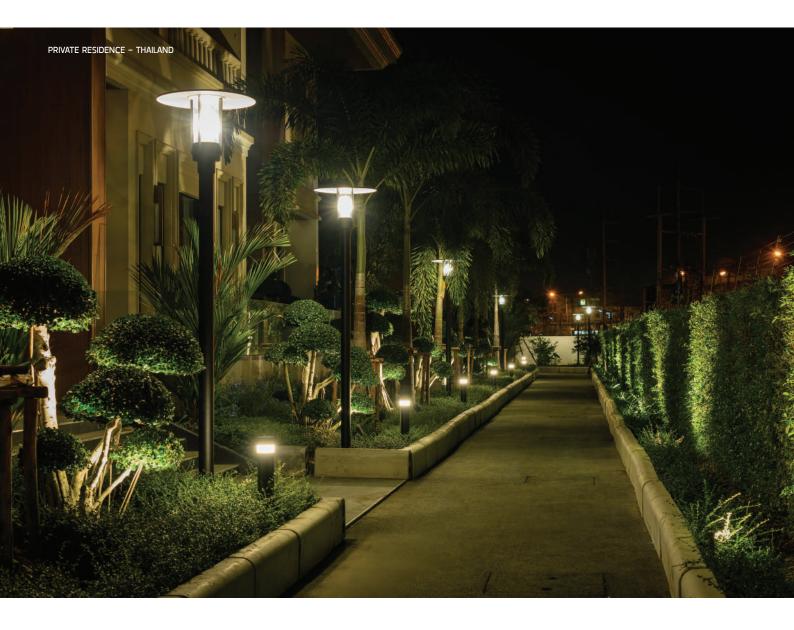


### FUJI

BOLLARDS



Accessori	es		
It	Anchor bolt	BLE	IP68 Connector



BOLLARDS
 PILLAR TOP LUMINAIRES
 WALL MOUNT LUMINAIRES



**MACRON** is a family of shielded bollard with symmetrical light distribution. It is equipped with the latest generation of COB LED with excellent color consistency. The clear polycarbonate cover with internal glare suppression louvers improves lighting quality by limiting the upward light emission. It is universally installed in walkways, parks, commercial areas and open spaces. It provides general lighting for the residential areas where light pollution has to be controlled. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.











## MACRON





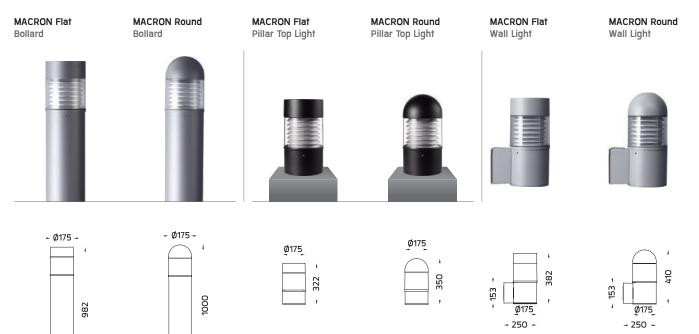
### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Polycarbonate protective cover. Anodized aluminium louvers.
- Post-cured silicone gasket. .
- High quality LED module and driver. .
- •
- Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. •

### Available Color

Black	[replace the last 2 digits of ordering code with O1]
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# MACRON



### MACRON

### BOLLARDS

MACRON Flat – Bollard / 7107		
MACRON Round - Bollard / 7108		
Luminaire Performance		
400 – 1340 lm		
20 – 40 W		
20 – 42 lm/W		
Beam Options		
Color Temperature		
2700K/ 3000K/ 4000K		
Controller		
On-Off/ 1-10V/ DALI		

### MACRON

### PILLAR TOP LUMINAIRES



### MACRON

### WALL MOUNT LUMINAIRES

MACRON Flat - Wall Light / 7507
MACRON Round – Wall Light / 7508
Luminaire Performance
400 – 420 lm
20 W
20 – 21 lm/W
Beam Options
Color Temperature
3000K/ 4000K
Controller
On – Off











BOLLARDS WALL MOUNT LUMINAIRES





for residential, community and commercial sites. It is pre-wired from the factory with double insulated construction therefore safe and simple to install. CHARISMA is designed to utilize a high efficiency reflector and COB LED and available in three color temperatures from 2700K, 3000K and 4000K. It is supplied with built-in driver in both non-dimmable and 1-10V/ DALI dimmable options. The clear polycarbonate cover with internal glare suppression louvers improves the light quality by limiting the upward light emission. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.

CHARISMA range of compact to mid-size bollard and wall light designed











### **CHARISMA**

### 1. Reflector

High efficiency anodize brightened CAD reflector.

### 2. Cover

Self-extinguishing PC protective cover. Protect against UV rays and mechanical impact.

### 3. Driver

High quality LED constant current driver. Complied with Safety and EMC regulations.

### 4. Gear compartment

Injected GFR polymer housing. Protect against harmful dust and jet water.

### 5. Body Housing

Corrosion resistant extruded aluminium housing with Nano Ceramic protection film.















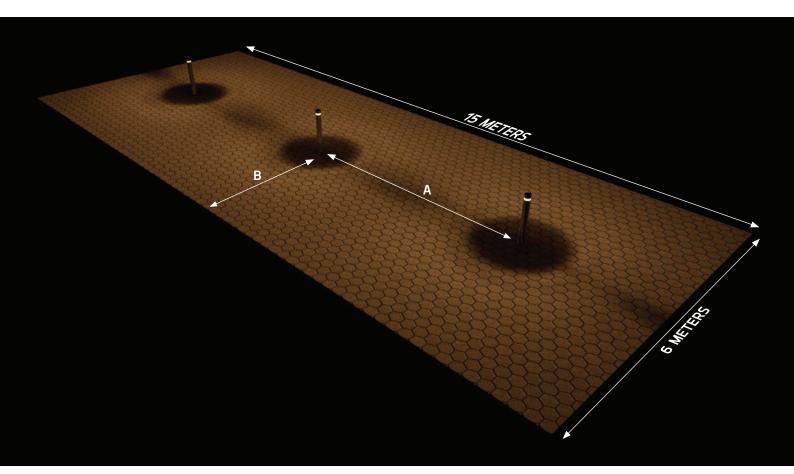
### Specification

- Designed, Manufactured and Tested according to IEC 60598. •
- LM6 Die Cast Aluminium and Extruded Aluminium body. •
- Stainless steel screws. •
- Nano Ceramic surface conversion. .
- Double layer coating. •
- Polycarbonate diffuser.
- •
- Post-cured silicone gasket. High quality LED module and driver. Anodized aluminium louver. •
- .
- GFR PA6.6 Terminal block.
- Weather proof TPE grommet.
- Bollard pre-wired with outdoor cable. •
  - Installation work has to be carried on according to the enclosed product manual.

### Available Color

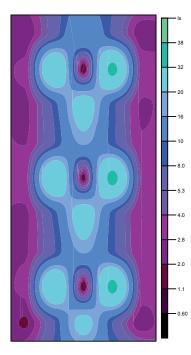
.

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

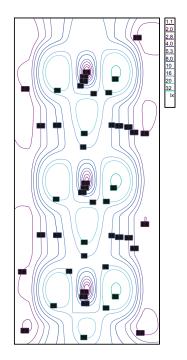


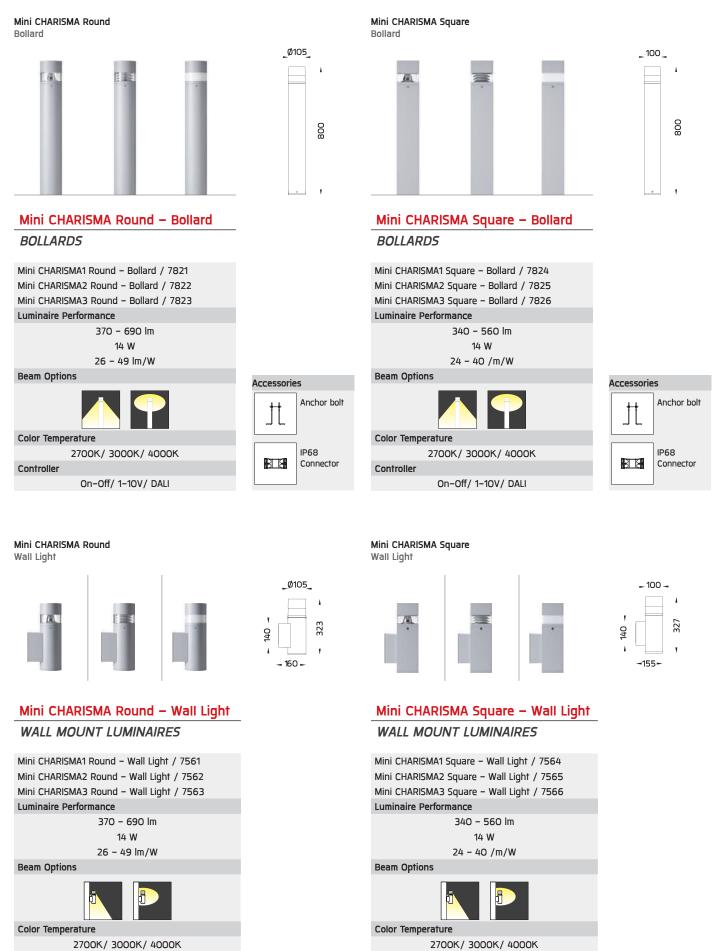
PRODUCT NAME TYPE ORDERING CODE

- : Medium CHARISMA4 Round Bollard
- : LED 23W 1440lm 3000K
  - : 7859-0-3-902-XX



DISTANCE A	: 5 METERS.
DISTANCE B	: 3 METERS.
MOUNTING HEIGHT	: 0.9 METERS.





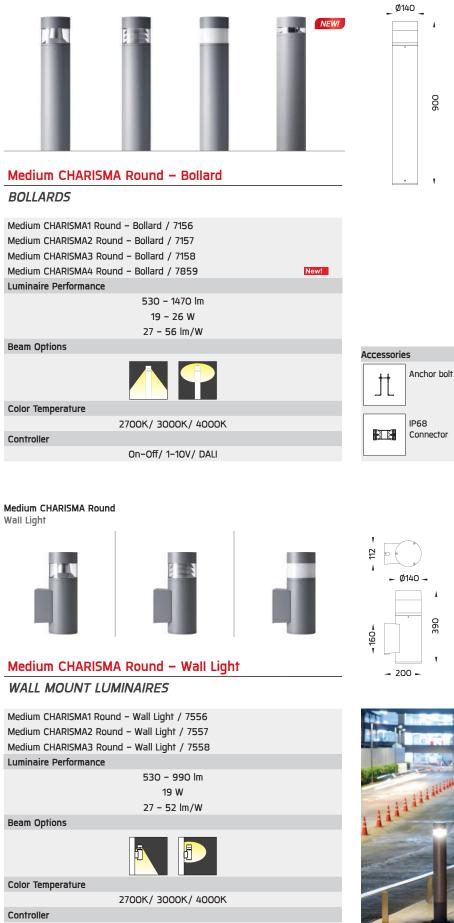
Controller

On-Off

Controller

On-Off

### Medium CHARISMA Round Bollard



On-Off











**TOWER** family is designed with the clean-cut line to provide scenic lighting in modern architectural environment. The Opal diffuser softens the light symmetrically while the clear diffuser with slanted louver limits the glare. The extrusion aluminium body together with high impact resistant Polycarbonate cover protect the luminaire against vandalism and corrosion. High power COB LED is installed inside this luminaire. It is available in three color temperature 2700K, 3000K or 4000K. It is suitable to be installed in gardens, pathways, squares and open spaces. The bollard height can be customized according to specific requirement. An anchorage unit is available as an accessory.











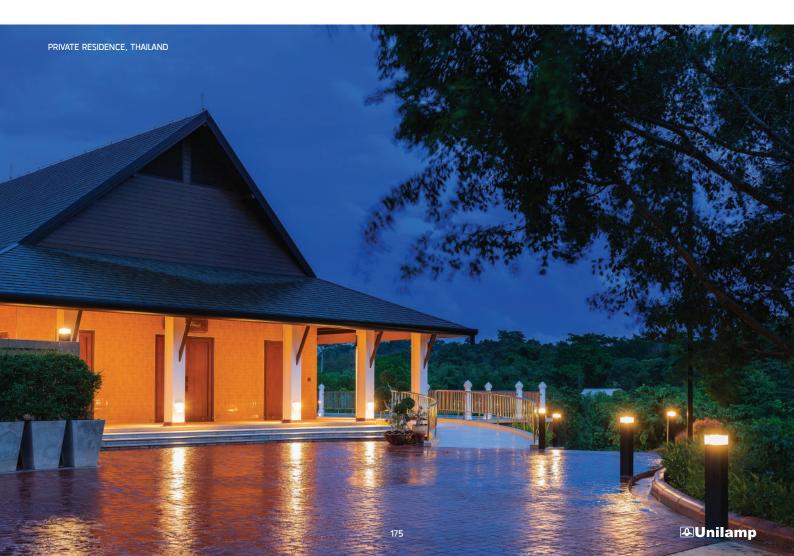
### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion. Double layer coating.
- Polycarbonate protective cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual.

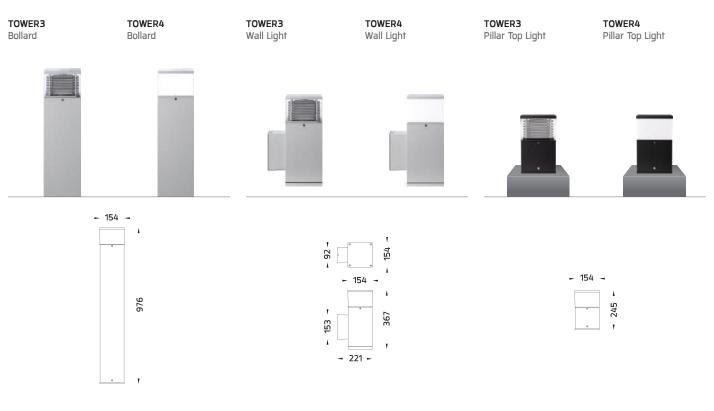
### Available Color

Black	
Graphite	
Dark Grey	
Aluminium Silver	
White	
Wooden Brown	

(replace the last 2 digits of ordering code with O1) (replace the last 2 digits of ordering code with O2) [replace the last 2 digits of ordering code with 02] [replace the last 2 digits of ordering code with 03] [replace the last 2 digits of ordering code with 04] [replace the last 2 digits of ordering code with 06] (replace the last 2 digits of ordering code with 07)



# TOWER



TOWER	TOWER	TOWER
BOLLARDS	WALL MOUNT LUMINAIRES	PILLAR TOP LUMINAIRES
TOWER3 - Bollard / 7152 TOWER4 - Bollard / 7153	TOWER3 – Wall Light / 7552 TOWER4 – Wall Light / 7553	TOWER3 – Pillar Top Light / 5513 TOWER4 – Pillar Top Light / 5514
Luminaire Performance	Luminaire Performance	Luminaire Performance
370 – 1700 lm	370 – 1700 lm	370 – 650 lm
20 – 42 W	20 – 42 W	20 W
15 – 40 lm/W	15 – 40 lm/W	18 – 32 lm/W
COB LED / AC COB	COB LED / AC COB	Beam Options
Beam Options	Beam Options	Color Temperature
Color Temperature	Color Temperature	3000K/ 4000K
2700K/ 3000K/ 4000K	2700K/ 3000K/ 4000K	Controller
Controller	Controller	AC COB with On-Off control
COB LED with On-Off/ 1-10V/ DALI control AC COB with On-Off control	COB LED with On-Off/ 1-10V/ DALI control AC COB with On-Off control	
Accessories		

Ħ

Anchor bolt

IP68 Connector

8 8









**SE7EN**, the angular designed bollard installed with high quality LED and manufactured from corrosion resistant extruded aluminium. SE7EN is an architectural piece in itself either On or Off.

No visible screws, no light spill, pre wired cable with IP68 connection and IP66 lamp compartment **SE7EN** fulfill all the needs for modern urban scenery. Available in 2700K, 3000K and 4000K in high CRI with exceptional color consistency. SE7EN is a perfect match for contemporary surrounding and can be installed in walkways, parks, commercial areas and open spaces.



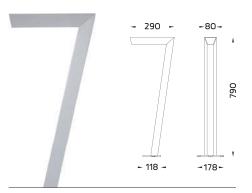
- Designed, Manufactured and Tested according to IEC 60598.
- LM6 die-cast aluminium and extruded aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module.
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual.

### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

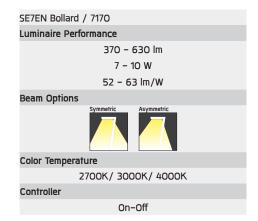


SE7EN Bollard



# SE7EN

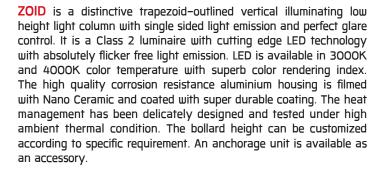
# BOLLARDS



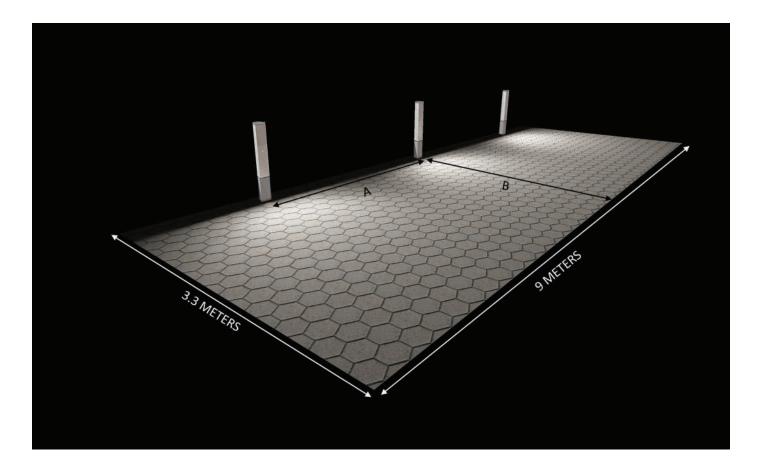










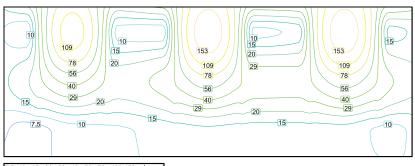


PRODUCT NAME TYPE ORDERING CODE

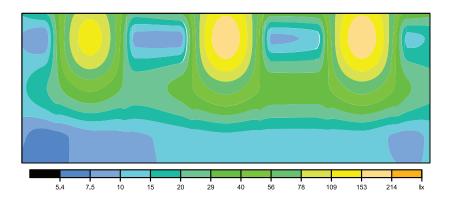
- : ZOID Bollard
- : LED 25W 3000lm 3000K
- : 7811-0-3-937-XX

DISTANCE A DISTANCE B MOUNTING HEIGHT : 3 METERS. : 3 METERS.

T : 1 METERS.







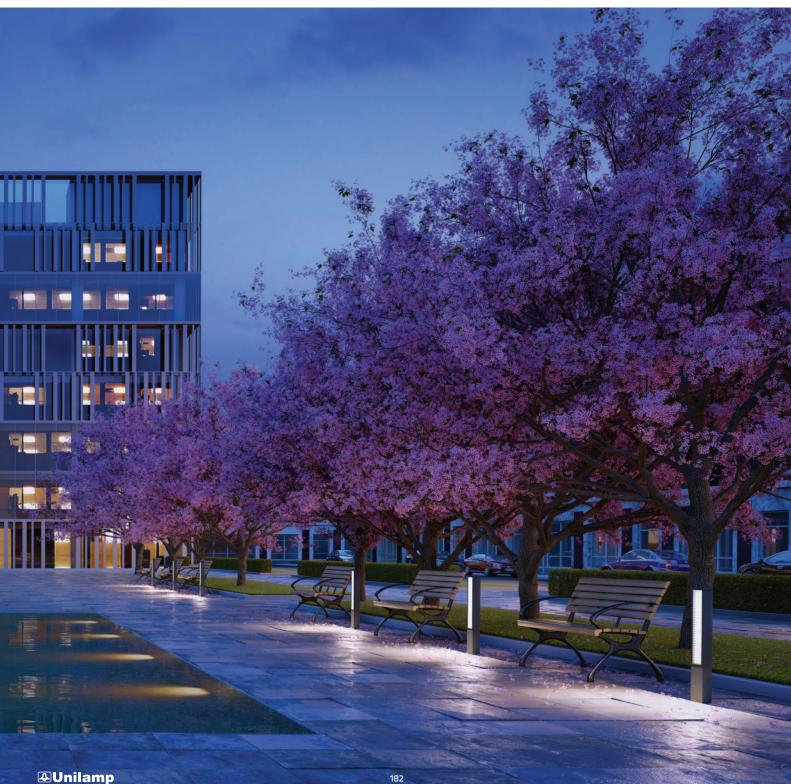
# ZOID



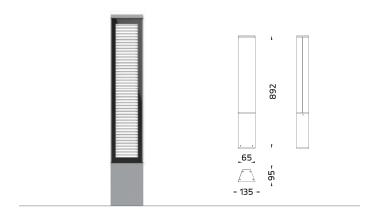
## Specification

- Designed, Manufactured and tested according to IEC 60598. LM6 Die Cast Aluminium and Extruded Aluminium body. •
- Stainless steel screws.
- Nano Ceramic surface conversion. .
- Double layer coating.
- •
- Safety glass cover. Post-cured silicone gasket. High quality LED module and driver. .
- Installation must be carried out according to the enclosed product manual. .

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	[replace the last 2 digits of ordering code with 07]



# ZOID



# ZOID

BOLLARDS

ZOID Bollard / 7811	
Luminaire Performance	
650 – 910 lm	
19 – 28 W	
31 - 36 lm/W	
Beam Options	
Color Temperature	
3000K/ 4000K	
Controller	
On-Off / DALL	



GROUND WASHER





**BUZZ** is a robust ground mounted luminaire with excellent light control with three different types of light pattern. **BUZZ** has a wide beam light distribution from a low mounting height. It is available in two sizes and operated with COB in high CRI. It provides brilliant lighting level with no glare from the above viewing angle. With the strong LM6 aluminium construction and clear polycarbonate cover, they protect the lumiVnaire from dust and water and possible harmful impact. **BUZZ** is generally installed in the walkways and pathways in both private and public areas. It provides visual guidance in the architectural environment. Anchorage unit for concrete foundation is available as an accessory.







# Mini BUZZ

# 1. Reflector

State of art high efficiency Computer-Aided design reflector.

2. LED Module

COB Led directly attached to the body for fastest heat transfer. 2700K, 3000K and 4000K CRI>80 3-Step SDCM.

3. Body Housing Enhanced LM6 Die-Cast Aluminium housing with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

4. Cover.

Self-extinguishing PC protective cover. Protect against UV rays and mechanical impact.



# Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating. .
- Polycarbonate protective cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual. .

# Available Color

(replace the last 2 digits of ordering code with O1) Black Graphite (replace the last 2 digits of ordering code with O2) Dark Grey (replace the last 2 digits of ordering code with O3) [replace the last 2 digits of ordering code with O4] Aluminium Silver White (replace the last 2 digits of ordering code with O6) Wooden Brown (replace the last 2 digits of ordering code with 07)



# BUZZ

Mini BUZZ1 Ground Washer



Mini BUZZ2 Ground Washer









BUZZ1 Ground Washer



BUZZ2 Ground Washer



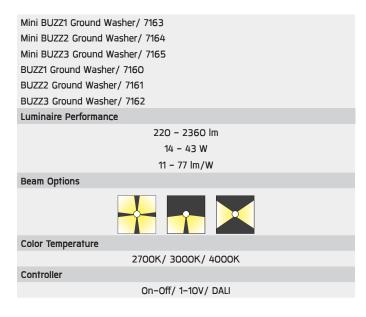




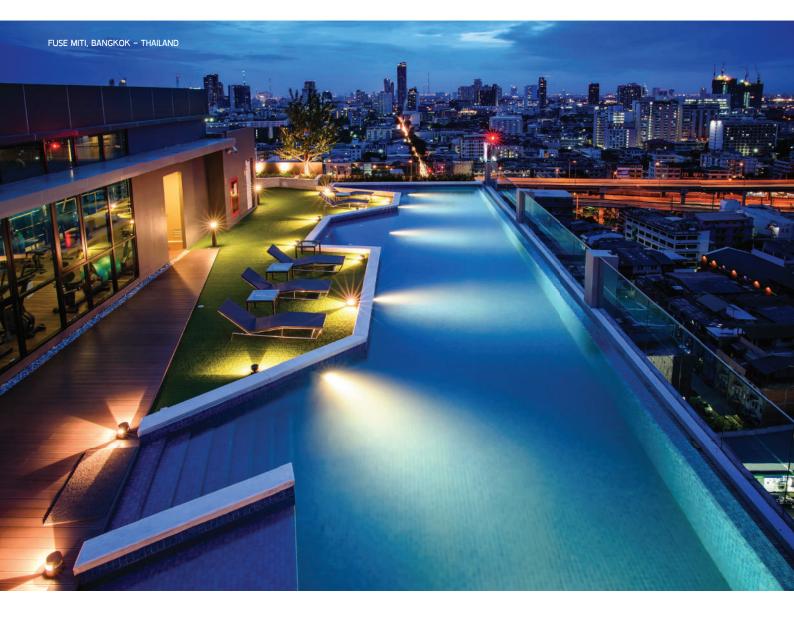


# BUZZ

# **GROUND WASHER**



Accessories	
JHT	Anchor bolt



PUBLIC SEATING LUMINAIRE







**HEXAHEDRON** is a unique combination of an outdoor luminaire and public seating. The robust aluminium structure allows HEXHEDRON to be used in the seaside environments and areas of high vandalism. Equipped with high quality LED modules and drivers, HEXADEDRON provides glare free light with a long service life. It is available in 3000K and 4000K with a high CRI. The luminaire stands out during the day and attractively illuminate the surroundings at night. Finished with an architectural material Granito Ceramic top or Engineered Wood top.





# **HEXAHEDRON**





### Specification

- Designed, Manufactured and tested according to IEC 60598.
- High strength aluminium structure.
- Stainless steel screws. .
- Nano Ceramic surface conversion.
- Double layer coating. •
- Safety glass cover. •
- Post-cured silicone gasket.
- High quality LED module. •
- Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. •

### Available Color

•

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# HEXAHEDRON

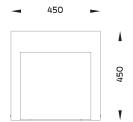
HEXAHEDRON

HEXAHEDRON/1



\*With Granito Ceramic top

\*With Engineered Wood top



# **HEXAHEDRON**

PUBLIC SEATING LUMINAIRE

HEXAHEDRON / 7199
HEXAHEDRON/1 / 7198
Luminaire Performance
1920 – 2100 lm
26 W
73 – 80 lm/W
Beam Options
Color Temperature
3000K/ 4000K
Controller
On-Off/ DALI



EQUINOX







POLE LIGHT & POLE TOP LIGHT
 WALL MOUNT LUMINAIRES



**EQUINOX** is the trapezium-shaped linear light fixture for residential community, commercial area and public space. It is operated with the LED light source with high CRI and 3-step SDCM. It can be used on a pole as a pole top luminaire or with a clamping unit at different height. A wall mounted version for area light application is also available. With high quality LED in 3000K and 4000K EQUINOX is an economical luminaire that provides general illumination with excellent lighting levels. The exceptional lens system distributes the light efficiently onto the surfaces. Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations are available as accessories.





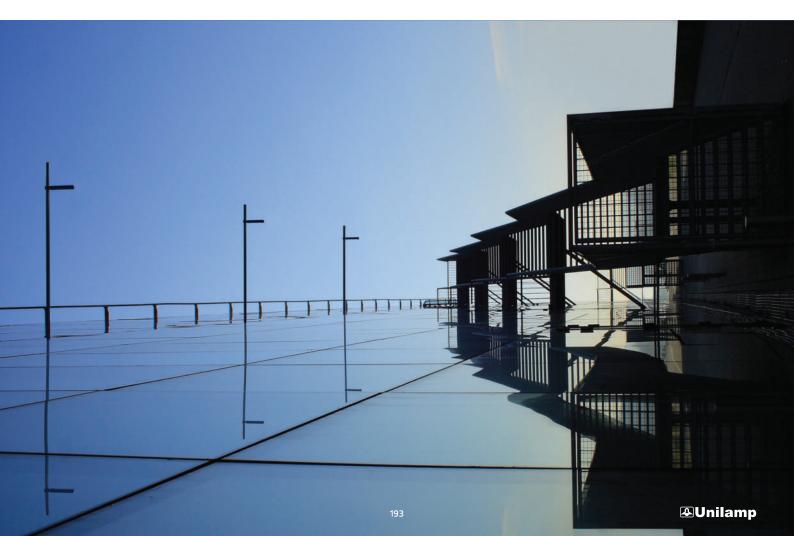




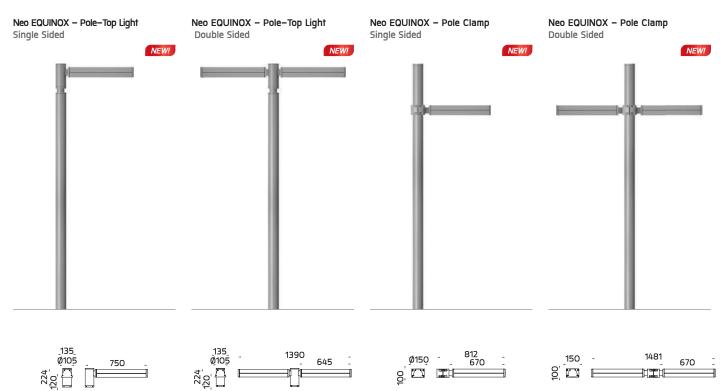
- Designed, Manufactured and Tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Molded Lens from renowned manufacturer.
- M2O cable gland/ weather proof TPE grommet.
- Installation work has to be carried out according to the enclosed product manual.

### Available Color

Black Graphite Dark Grey Aluminium Silver White Wooden Brown [replace the last 2 digits of ordering code with 01] [replace the last 2 digits of ordering code with 02] [replace the last 2 digits of ordering code with 03] [replace the last 2 digits of ordering code with 04] [replace the last 2 digits of ordering code with 06] [replace the last 2 digits of ordering code with 07]



# EQUINOX



Ę

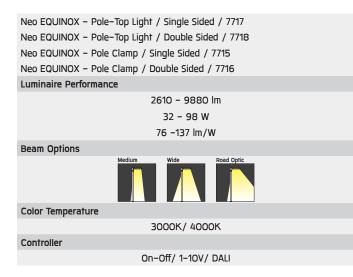
ψĒ



qΕ

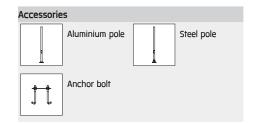
# **Neo EQUINOX**

# POLE LIGHT & POLE TOP LIGHT



1224

E



8 🖂 E

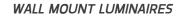
Neo EQUINOX Wall Light

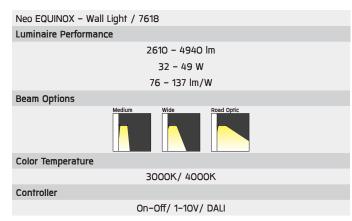




ين 135. 713 -135.

# **Neo EQUINOX**







CbF

Content by Family

CbA

Content by Application



**HELIOS** is a large wall mounted or pole-top luminaire with symmetrical and asymmetrical indirect light distribution. The indirect light from the luminaire generates a uniform and glare free illumination. The recommended mounting height is between 3 – 5 meters from the ground.

**HELIOS** is available with COB LED light source in two wattages in 2700K, 3000K or 4000K. It is suitable for parking lots, public parks, pedestrian, squares and open areas where glare control is required. The luminaire blends well with all contemporary architectural design during the day and night. Available as an option are Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations.





- Designed, Manufactured and Tested according to IEC 60598. .
- LM6 die-cast aluminium housing. .
- GFR polymer disc.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover. •
- Post-cured silicone gasket.
- High quality LED module and driver. Pre-wired cable from the factory.
- •
- Installation must be carried out according to the enclosed product manual. .

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)





# HELIOS



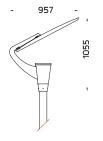
HELIOS Symmetric Pole Top HELIOS Asymmetric Wall Light

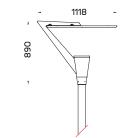


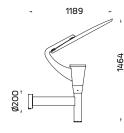


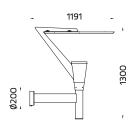
HELIOS

Symmetric Wall Light



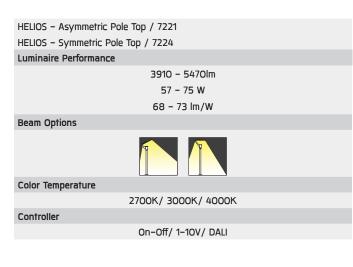






# **HELIOS**

# POLE LIGHT & POLE TOP LIGHT



# Accessories Aluminium pole Steel pole Anchor bolt

# HELIOS

# WALL MOUNT LUMINAIRES

HELIOS – Asymmetric Wall Light / 7621	
HELIOS – Symmetric Wall Light / 7624	
Luminaire Performance	
3910 - 5470lm	
57 – 75 W	
68 - 73 lm/W	
Beam Options	
Color Temperature	
2700K/ 3000K/ 4000K	
Controller	
On-Off/ 1-10V/ DALI	





POLE LIGHT & POLE TOP LIGHT
 WALL MOUNT LUMINAIRES



MARANELLO is a family of large wall mounted and pole-top luminaires with symmetrical low glare indirect light distribution. It is available with COB LED in two wattages in 2700K, 3000K or 4000K.

**MARANELLO** blends well with all contemporary architectural design during the day and night. It has proven its success in both design and quality. The recommended mounting height is between 3 - 5 metres. Available as an option are Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations.

# MARANELLO



# Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Extruded Aluminium body.
- Spun Aluminium disc.
- Stainless steel screws. Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass diffuser.
- •
- Post-cured silicone gasket. High quality LED module and driver. Pre-wired cable from the factory. •
- Installation must be carried out according to the enclosed product manual

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)





# MARANELLO

MARANELLO Pole Top



MARANELLO

Wall Light

# MARANELLO

# POLE LIGHT & POLE TOP LIGHT

MARANELLO – Pole Top / 7222
Luminaire Performance
2130 - 2980 lm
57 – 75 W
37 – 39 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI

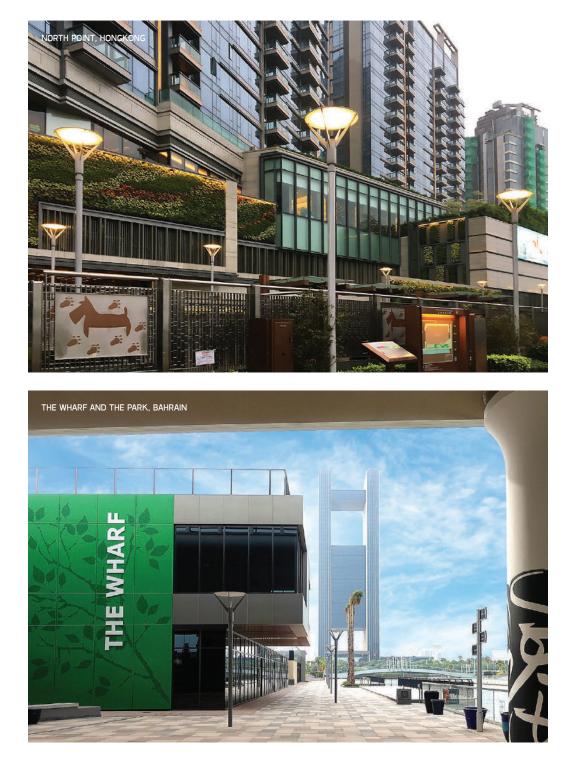
# Accessories Aluminium pole Steel pole Anchor bolt

# MARANELLO

# WALL MOUNT LUMINAIRES

MARANELLO – Wall Light / 7622	
Luminaire Performance	
2130 - 2980 lm	
57 – 75 W	
37 – 39 lm/W	
Beam Options	
Color Temperature	
2700K/ 3000K/ 4000K	
Controller	
On-Off/ 1-10V/ DALI	

# 









**BLAZE** is a family of large size wall mount and pole-top luminaires. The top reflector is easily adjustable from symmetric to asymmetric distribution to get the desired light delivered for most applications and assists with glare control.

**BLAZE** is made for smooth and uniform light distribution on designated areas. The recommended mounting height is between 3 – 5 meters from the ground. It is equipped with high CRI COB LED and is available in 2700K, 3000K and 4000K. It is most suited in parking lots, public parks, pedestrian and open spaces.

**BLAZE** is the perfect solution for a glare free installation. Available as an option are Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations.



- Designed, Manufactured and Tested according to IEC 60598.
- LM6 Die cast aluminium housing. Stainless steel screws. ٠
- .
- Nano Ceramic surface conversion. .
- Double layer coating. •
- •
- •
- Safety glass cover. Post-cured silicone gasket. High quality LED module and driver. .
- .
- Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual. •

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)







# BLAZE

# POLE LIGHT & POLE TOP LIGHT

BLAZE – Pole Top / 7223			
Luminaire Performance			
4510 - 4810 lm			
57 W			
79 - 84 lm/W			
Beam Options			
Color Temperature			
2700K/ 3000K/ 4000K			
Controller			
On-Off/ 1-10V/ DALI			

# Accessories Aluminium pole Steel pole Anchor bolt

# BLAZE

# WALL MOUNT LUMINAIRES

BLAZE – Wall Light / 7623			
Luminaire Performance			
4510 - 4810 lm			
57 W			
79 – 84 lm/W			
Beam Options			
Color Temperature			
2700K/ 3000K/ 4000K			
Controller			
On-Off/ 1-10V/ DALI			

# 











**RAY** is a family of louvered large wall mount and pole-top luminaire with symmetrical light distribution. The LED light source in combination with a unique 250° wide spread lens provides uniform light. It is available with the choices of three different color temperatures from 2700K, 3000K or 4000K in high color consistency and remarkable color rendering index. The internal glare suppression louver improves the lighting quality by limiting the upward light emission. Polycarbonate lens cover protects the lamp compartment from vandalism.

**RAY** is generally installed in the walkways, gardens, parks, commercial areas and open spaces to provide the general lighting from mid-high level. The recommended mounting height is between 3 – 4 meters above the ground. Available as an option are Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations.



- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium and Pressed Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion. Double layer coating.
- Polycarbonate protective cover.
- Anodized aluminium louvers.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Pre-wired cable from the factory. .
- Installation must be carried out according to the enclosed product manual. .

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)





# RAY

**RAY** Pole Top Light

RAY Pole Top Light / Double Head



Ø685

-

906

-

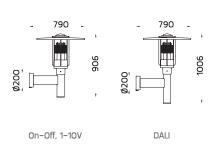
Ø685 -

Ш

-

**RAY** Wall Light





# RAY

# POLE LIGHT & POLE TOP LIGHT

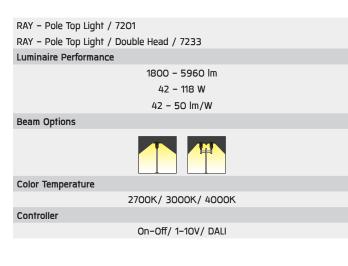
- Ø685

Ę

-

585 '

,



# Accessories Aluminium pole Steel pole Anchor bolt

# RAY

# WALL MOUNT LUMINAIRES

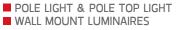
RAY - Wall light / 7601
Luminaire Performance
1800 – 2980 lm
42 – 59 W
42 – 50 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI

# 



N MAR W

**A**Unilamp







NeoPLACE is a family of large wall light and pole-top luminaires with symmetrical low glare indirect light distribution. The recommended mounting height is between 3 – 5 meters It is available in LED light source in 2 different color temperature 3000K and 4000K with DALI dimming option.

> NeoPLACE is suitable for the place where glare control is preferred. It is a perfect alternative to replace old style cone-shaped conventional luminaires. It is suitable to illuminate parking lots, public parks, pedestrian and open spaces. Available as an option are Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations.



- Designed, Manufactured and Tested according to IEC 60598. LM6 Die Cast Aluminium and Spun Aluminium body. Stainless steel screws.

- Nano Ceramic surface conversion.

- Double layer coating. Polycarbonate protective cover. Post-cured silicone gasket. High quality LED module and driver.
- Pre-wired cable from the factory.
- Installation work must carried out according to the enclosed product manual.

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



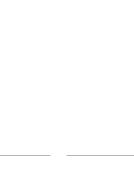




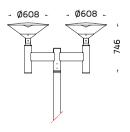
# NeoPLACE

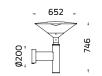
NeoPLACE Pole Top Light NeoPLACE Pole Top Light / Double head NeoPLACE Wall light











# NeoPLACE

# POLE LIGHT & POLE TOP LIGHT

NEOPLACE – Pole Top Light / 7220			
NEOPLACE – Pole Top Light / Double head / 7230			
Luminaire Performance			
1920 – 6260 lm			
25 – 70 W			
64 – 91 lm/W			
Beam Options			
Color Temperature			
3000K/ 4000K			
Controller			
On-Off/ 1-10V/ DALI			

# Accessories Uplight shield Aluminium pole Steel pole Anchor bolt

# NeoPLACE

WALL MOUNT LUMINAIRES		
NEOPLACE – Wall light / 7620		
Luminaire Performance		
19	20 - 3130 lm	
	25 - 35 W	
6	4 – 91 lm/W	
Beam Options		
Color Temperature		
3000K/ 4000K		
Controller		
On-C	off/ 1-10V/ DALI	

# 











**STICK** is a family of cylindrical-shaped light column and wall luminaire with symmetrical light distribution. The LED light source in combination with a unique 250° wide spread lens provides uniform light. It is available with the choices of three different color temperatures from 2700K, 3000K or 4000K in high color consistency and remarkable color rendering index. The internal glare suppression louver improves the lighting quality by limiting the upward light emission.

**STICK** is generally installed in the walkways, gardens, parks, commercial areas and open spaces to provide the general lighting from mid-high level. The recommended mounting height is between 3 – 4 meters above the ground.

# STICK



### Specification

- Designed, Manufactured and tested according to IEC 60598. LM6 Die Cast Aluminium and Extruded Aluminium body. Stainless steel screws.

- Nano Ceramic surface conversion.
- Double layer coating.

- PC protective cover. Anodized aluminium louvers. Post-cured silicone gasket.
- High quality LED module and driver.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	[replace the last 2 digits of ordering code with O2]
Dark Grey	[replace the last 2 digits of ordering code with O3]
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	[replace the last 2 digits of ordering code with O6]
Wooden Brown	[replace the last 2 digits of ordering code with 07]





# On-Off/ DALI

-

2700K / 3000K/ 4000K

1130 - 1210 lm 40 W 28 - 30 lm/W

### STICK

# POLE LIGHT & POLE TOP LIGHT

STICK Louver – Light Column / 7207					
Luminaire Performance					
1130 - 1210 lm					
40 W					
28 – 30 lm/W					
Beam Options					
Color Temperature					
2700K / 3000K/ 4000K					
Controller					
On-Off/ DALI					

# Accessories Anchor bolt

# Onilamp

**STICK** 

WALL MOUNT LUMINAIRES

STICK Louver – Wall light / 7607

Luminaire Performance

**Beam Options** 

**Color Temperature** 

Controller



### POLE LIGHT & POLE TOP LIGHT



CTORY



VICTORY Architecturally designed light tower with a comfortable light output and low glare. A high performance aluminium reflector delivers a symmetrical downward light distribution in a distinctive pattern. Operated with COB LED light source in 2700K, 3000K or 4000K with three-step SDCM. Made of impact resistant aluminium, coated with Nano ceramic film and double layer paint. It is ideally for walkways, parks, commercial areas and open spaces to give guidance to people and vehicles during the night. VICTORY is an interesting addition to modern landscape.

220





### Specification

.

- Designed, Manufactured and tested according to IEC 60598.
  - LM6 Die Cast Aluminium, Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating. Safety tempered glass cover. .
- High efficient reflector.
- Post-cured silicone gasket.
- High quality LED module and driver. Installation must be carried out according to the enclosed product manual. •

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)





# VICTORY

### POLE LIGHT & POLE TOP LIGHT

VICTORY Light Column / 7700					
Luminaire Performance					
2540 - 3380 lm					
59 W					
43 – 57 lm/W					
Beam Options					
Color Temperature					
2700K/ 3000K/ 4000K					
Controller					
On-Off/ 1-10V/ DALI					















**PILLAR** family is a cylindrical shaped light column, bollard and wall mount luminaire with unshielded and diffused symmetrical light distribution. This creates a uniform look throughout the lighting project. The classic slim shape is the perfect choice for small to large sized spaces. Its timeless design can be used with various architectural themes and blends equally well in parks. It is utilizing multiple LED with integrated constant current driver and surge protection device. State of the art dimming options are available as well as different color temperatures and wattage options.

The standard height of this luminaire is presented in this catalogue; however, it can be customized according to specific requirement. An anchorage unit is available as an accessory.



# PILLAR





#### Specification

- Designed, Manufactured and tested according to IEC 60598. •
- . LM6 Die Cast Aluminium, Cast Aluminium and Extruded Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion. Double layer coating. •
- .
- PMMA diffusing lens.
- Post-cured silicone gasket.
- High quality LED module and driver.
- GFR PA6.6 terminal block.
- Installation must be carried out according to the enclosed product manual. .

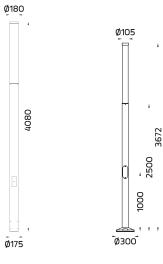
Available Color

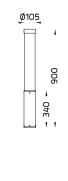
Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	[replace the last 2 digits of ordering code with O3]
Aluminium Silver	[replace the last 2 digits of ordering code with O4]
White	[replace the last 2 digits of ordering code with O6]
Wooden Brown	[replace the last 2 digits of ordering code with 07]

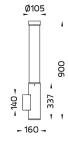


# PILLAR



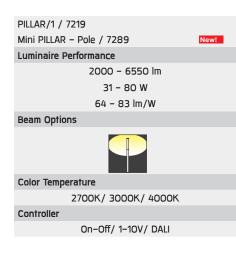






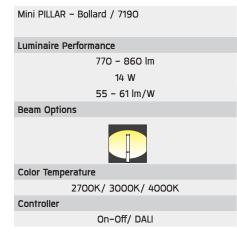
# PILLAR

POLE LIGHT & POLE TOP LIGHT



# PILLAR

# BOLLARDS



# PILLAR

WALL MOUNT LUMINAIRES

Mini PILLAR – Wall / 7590

Luminaire Performance					
770 – 860 lm					
14 W					
55 - 61 lm/W					
Beam Options					
ļ					
Color Temperature					
2700K/ 3000K/ 4000K					
Controller					
On-Off/ DALI					

Accessories						
₩	Anchor bolt					

Accessories						
t	Anchor bolt					

# 

CENTRAL MOSQUE, NAKHON SI THAMMARAT - THAILAND









**BICEPS** is a light tower and bollard designed for architectural spaces with functional low glare light output. It is generally installed in walkways, parks, commercial areas and open spaces to illuminate the areas and give direction to people. It is designed and built for a high power COB LED utilizing top performance vacuum metalized reflector. It generates an even symmetrical downward light distribution and emits no upward light in accordance to light pollution regulation. Manufactured in impact resistant welded aluminium structure and maximized thermal management through integrated heat sink. Available in six colors and coated with Nano Ceramic film and super durable polyester powder. **BICEPS** is a bold statement to a modern landscape.







#### Specification

- Designed, Manufactured and Tested according to IEC 60598. LM6 Die Cast Aluminium and Extruded Aluminium housing. Stainless steel screws. Nano Ceramic surface conversion. Double layer coating. Safety glass cover. Post-cured silicone gasket. High quality LED module and driver. GFR PA6.6 terminal block. Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual.

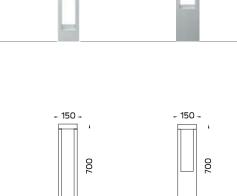
Black	
Graphite	
Dark Grey	
Aluminium Silver	
Nhite	
Nooden Brown	

(replace	the	last	2	digits	of	ordering	code	with	01]
(replace	the	last	2	digits	of	ordering	code	with	02]
(replace	the	last	2	digits	of	ordering	code	with	03]
(replace	the	last	2	digits	of	ordering	code	with	04]
(replace	the	last	2	digits	of	ordering	code	with	06]
(replace	the	last	2	digits	of	ordering	code	with	07]

# **BICEPS**

**BICEPS Bollard** 

BICEPS Light Column



OD-7179

0D-7180



### BICEPS

# BOLLARDS

BICEPS Bollard/ 7179	
BICEPS Bollard/ 7180	
Luminaire Performance	
	850 - 1230 lm
	10 – 20 W
	58 - 85 lm/W
Beam Options	
Color Temperature	
	3000K/ 4000K
Controller	
AC L	ED with On-Off control

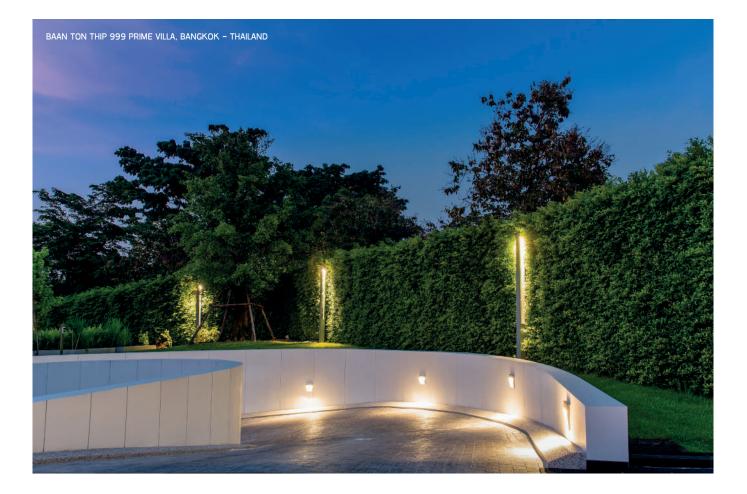
# BICEPS

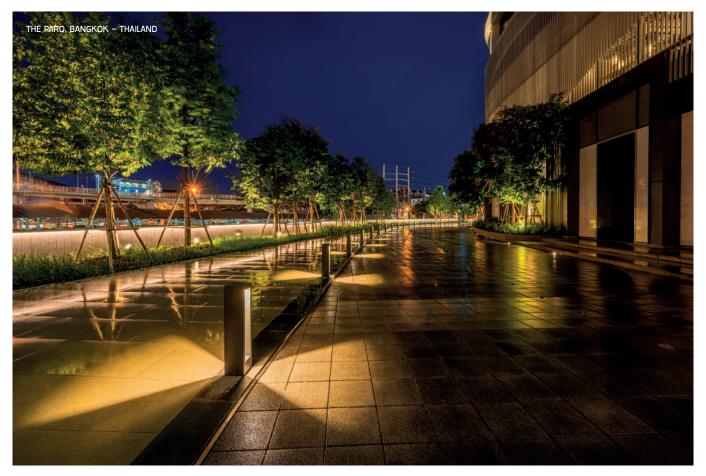
POLE LIGHT & POLE TOP LIGHT

BICEPS Light Column / 7710
Luminaire Performance
3190 - 5030 lm
38 – 57 W
58 - 102 lm/W
Beam Options
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI

Accessories			Accessories				
Ħ	Anchor bolt	BIB	IP68 Connector	<u>It</u>	Anchor bolt	BUS	IP68 Connector

# BICEPS

















**NEOS** is a small sized high performing area light. Outstanding optical efficacy, high ambient temperature rating and a wide range of mounting accessory makes **NEOS** a highly competitive product. The smooth curved design eliminates accumulation of water and dust. The unobtrusive slim design is a great match for commercial and residential lighting tasks. The area light can be either equipped with a photocell, DALI-2 control or basic on-off control gear.

**NEOS** can be equipped with mounting accessories for pole integrated mounting, pole bracket, wall and wall corner. The pole bracket is suitable for Pole diameters up to 105 mm.



### Specification

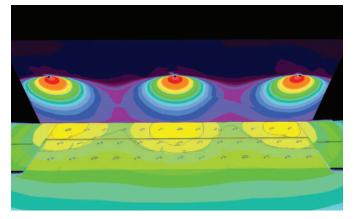
- Designed, Manufactured and tested according to IEC 60598.
- High-pressure Die Cast Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual.

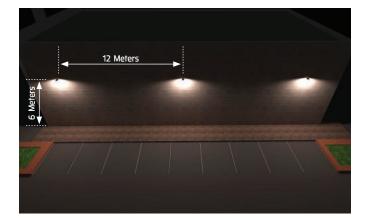
#### Available Color

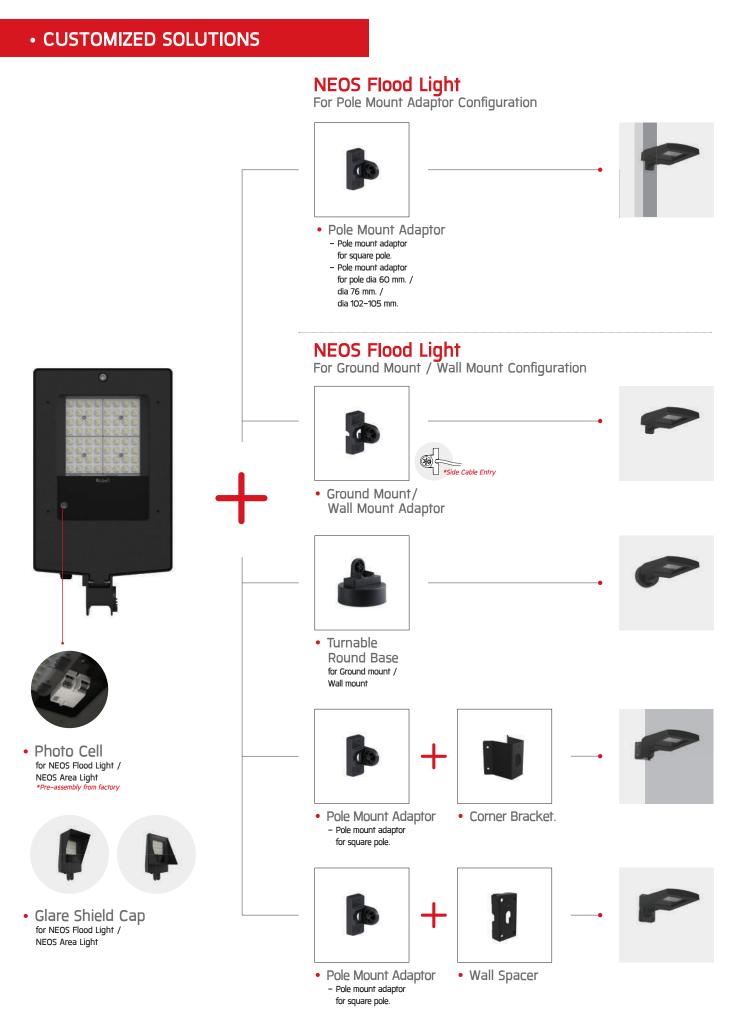
Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



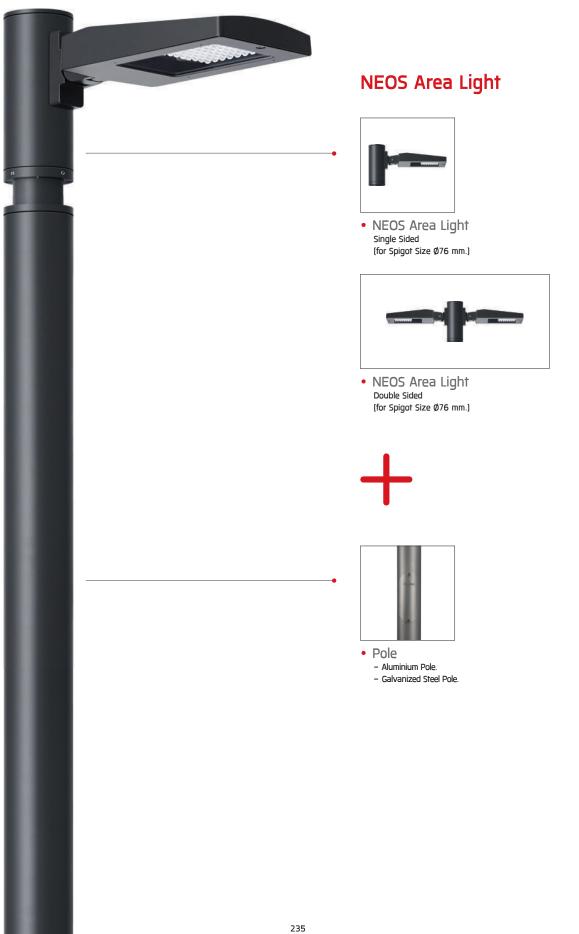
#### Illumination level : 20 lux Ave.







# CUSTOMIZED SOLUTIONS



• CUS	TOMIZED SOLUTIONS			
	Accessory	NEOS – Flood Light without	base NEOS – Area Light / Single Sided	NEOS – Area Light / Double Sided
s(arit)	Photo Cell – Control one Iuminaire. [Pre-assembly from factory].	٠	•	•
Π	Glare Shield Cap.	•	٠	•
Þ	Pole mount adaptor for square pole.	٠	-	-
Þ	Pole mount adaptor for pole dia 60 mm.	٠	-	-
Þ	Pole mount adaptor for pole dia 76 mm.	٠	-	-
Þ	Pole mount adaptor for pole dia 102-105 mm.	٠	-	-
•	Ground mount base or Wall mount base.	٠	-	-
	Turnable round base for Ground mount or Wall mount.	•	-	-
	Wall Spacer.	•	-	-
	Corner Bracket.	•	-	-
a la constante de la constante	Aluminium Pole Diameter 105 mm. Height 3000 mm. / 3500 mm. / 4000 mm. with Spigot Size 76 mm.	-	•	•
	Steel Pole Diameter 114 mm. Height 6000mm. / Steel Pole Diameter 140&114 mm. Height 7000 mm. / 8000 mm. with Spigot Size 76 mm.	-	٠	•

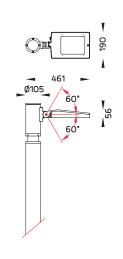
# NEOS

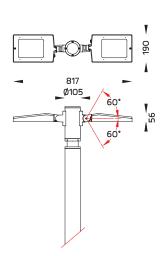
NEW!

NEOS Flood Light without base









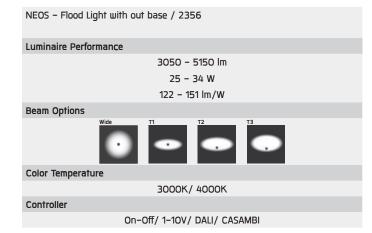
NEOS

NEW!

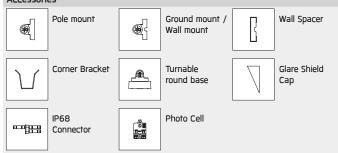
Area Light / Double Sided

### NEOS

#### SURFACE WASHER & FLOOD LIGHT



# Accessories



# NEOS

NEOS

NEW!

Area Light / Single Sided

### AREA LIGHT

NEOS – Area Light / Single Sided / 7246
NEOS – Area Light / Double Sided / 7247
Luminaire Performance
3050 – 10300 lm
25 - 68 W
122 – 151 lm/W
Beam Options
Wide T1 T2 T3
Color Temperature
3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI/ CASAMBI

Accessories

 Aluminium pole
 Steel pole
 Anchor Bolt

 Slare Shield
 IP68
 Photo Cell







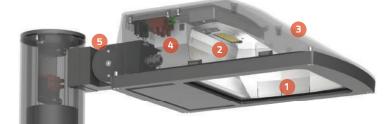
**SIROCCO** is a solid outdoor luminaire for public space illumination. Available in various light distribution, symmetric, asymmetric, bi-symmetric and road optic.

**SIROCCO** equipped with a high power LED with high CRI in 2700K, 3000K or 4000K color temperature with 3 SDCM. Lenses and reflectors for SIROCCO have been engineered utilizing the latest technology and software for maximum performance. The heat management has been delicately designed and tested under high ambient thermal condition. An integrated scale allows precise aiming of the luminaire to achieve the desired illumination level.

**SIROCCO** is suitable to illuminate medium to large size objects or areas such as signage boards, building facades, parking lots, public parks, pedestrian, small streets and squares. Presented with a range of mounting accessories including ground mount base, pole top mount, and wall/pole mounting arm as well as aluminium Poles, galvanized steel poles and anchorage unit for concrete foundations.







# SIROCCO

#### 1. Reflector

High reflection CNC formed Miro reflector.

#### 2. LED

Array of High power LED from world renowned manufacturer. Module attached directly to the body for fastest heat transfer. 3000K and 4000K CRI>80 3-Step SDCM.

#### 3. Body Housing

Enhanced LM6 Die-Cast Aluminium housing with 16-step coating process including Nano Ceramic film. Low copper content <0.1%

#### 4. Driver

High quality DALI and Dimmable Driver [1–10V] in constant current. Conform to applicable safety standards and electromagnetic compatibility.

#### 5. Aiming

Graduated scale with locking mechanism. Adjustable with Hexagon tool.



#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- LM6 die-cast aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- High performance PC lens/ aluminium reflector.
- Post-cured silicone gasket.
- High quality LED module.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

•

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

# SIROCCO

Small SIROCCO Flood Light / Asymmetric

Small SIROCCO Optic Flood Light / Asymmetric Small SIROCCO Flood Light / Bi–symmetric Small SIROCCO Optic Flood Light / Bi-symmetric Small SIROCCO Optic Flood Light / Road Optic

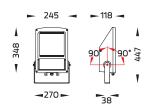


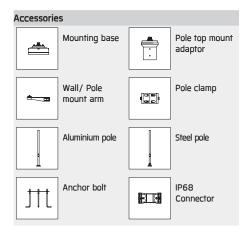








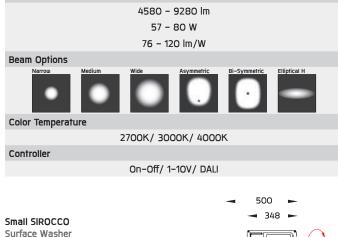




# Small SIROCCO – Flood Light

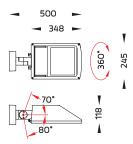


Small SIROCCO – Flood Light / Asymmetric / 2240 Small SIROCCO Optic – Flood Light / Asymmetric / 2240 Small SIROCCO – Flood Light / Bi–symmetric / 2241 Small SIROCCO Optic – Flood Light / Bi–symmetric / 2244 Small SIROCCO Optic – Flood Light / Road Optic / 2244 LED Module



0135-





### Small SIROCCO – Surface Washer

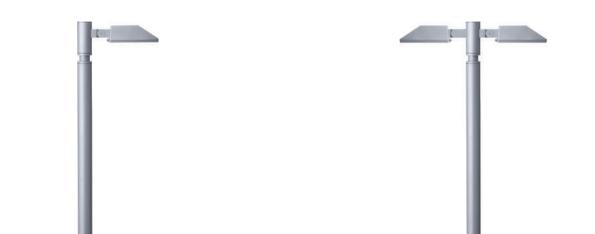
# SURFACE WASHER & FLOOD LIGHT

Small SIROCCO - Surface Washer / Asymmetric / 2340 Small SIROCCO Optic - Surface Washer / Asymmetric / 2340 Small SIROCCO - Surface Washer / Bi-Symmetric / 2341 Small SIROCCO Optic - Surface Washer / Bi-Symmetric / 2341 Small SIROCCO Optic - Surface Washer / Road Optic / 2344 LED Module 4580 - 9280 lm 57 - 80 W 76 - 120 lm/W Beam Options Narrow Medium Wide Asymmetric Bi-Symmetric Elliptical H Narrow Medium Wide Asymmetric Bi-Symmetric Elliptical H Color Temperature 2700K/ 3000K/ 4000K Controller



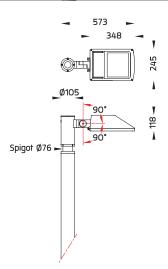
# SIROCCO

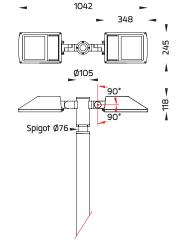
Small SIROCCO Area Light / Single Sided



Small SIROCCO

Area Light / Double Sided





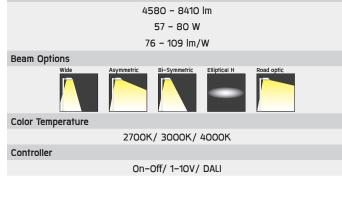
# Small SIROCCO - Area Light / Single Sided

AREA LIGHT

Accessories

Aluminium pole

Small SIROCCO – Area Light / Asymmetric Single Sided / 7240 Small SIROCCO Optic – Area Light / Asymmetric Single Sided / 7240 Small SIROCCO – Area Light / Bi–Symmetric Single Sided / 7241 Small SIROCCO Optic – Area Light / Bi–Symmetric Single Sided / 7244 Small SIROCCO Optic – Area Light / Road Optic Single Sided / 7244 LED Module

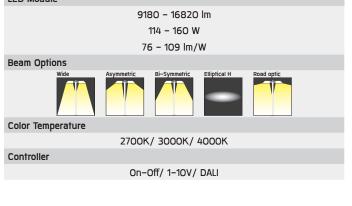


Steel pole

# Small SIROCCO - Area Light / Double Sided

# AREA LIGHT

Small SIROCCO – Area Light / Asymmetric Double Sided / 7242 Small SIROCCO Optic – Area Light / Asymmetric Double Sided / 7242 Small SIROCCO – Area Light / Bi–Symmetric Double Sided / 7243 Small SIROCCO Optic – Area Light / Bi–Symmetric Double Sided / 7245 Small SIROCCO Optic – Area Light / Road Optic Double Sided / 7245 LED Module



Accessories				
Aluminium pole	Steel pole	Anchor bolt		

Anchor bolt

Ш







A family of Area Light, Surface Washer and Architectural–Grade Flood Light in various mounting application **KRONOS** utilizes the latest LED technology from renowned manufacturers with high CRI in 3000K or 4000K. The high quality corrosion resistance aluminium housing is filmed with Nano Ceramic and coated with super durable powder. The heat management has been delicately designed and tested under ambient thermal condition Ta 50°C. A graduated scale provides accurate aiming of the luminaire.

**KRONOS** offers various light distribution patterns e.g. Asymmetric Flat Beam, Asymmetric Forward Throw for squares and open spaces, as well as Narrow, Medium, Wide and Elliptical beams for floodlight and facade light applications.





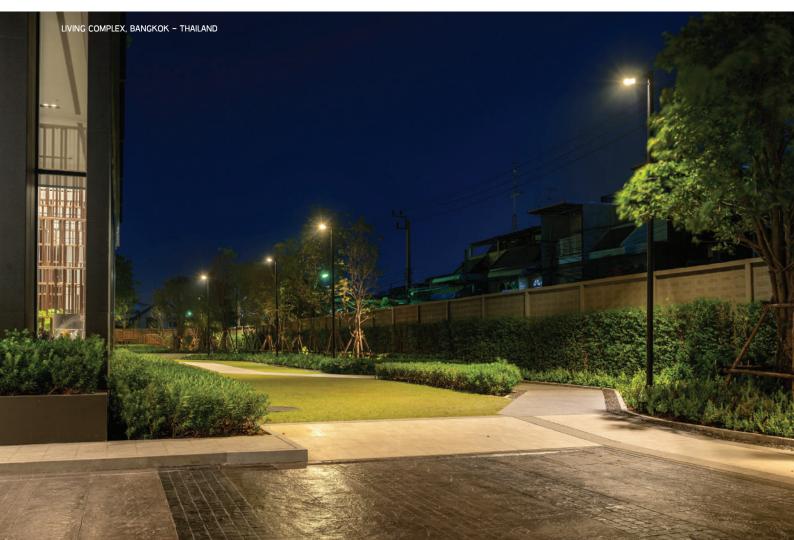


# Specification

- Designed, Manufactured and tested according to IEC 60598. •
- High-pressure Die Cast Aluminium body. Stainless steel screws.
- Nano Ceramic surface conversion. .
- Double layer coating. .
- Safety glass cover. •
- Post-cured silicone gasket. High quality LED module and driver. •
- Pre-wired cable from the factory. .
- Installation must be carried out according to the enclosed product manual. .

#### Available Color

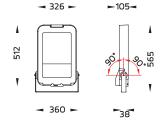
Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	[replace the last 2 digits of ordering code with 07]



# KRONOS

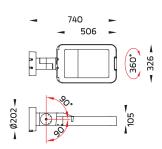
KRONOS Flood Light



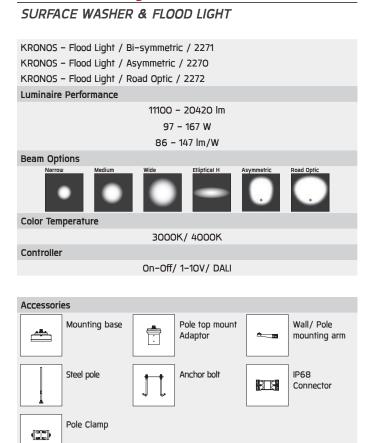








### **KRONOS - Flood Light**



# KRONOS – Surface Washer

SURFACE WASHER & FLOOD LIGHT

	KRONOS – Surface Washer / Bi-symmetric / 2371 KRONOS – Surface Washer / Asymmetric / 2370				
KRUNUS - SUI		/ Asymme	IIIC / 25/0		
KRONOS - Surf	ace Washer	· / Road Op	tic / 2372		
Luminaire Perfo	rmance				
		11100 -	20420 lm		
		97 -	167 W		
		86 - 1	47 lm/W		
Beam Options					
Narrow	Medium	Wide	Elliptical H	Asymmetric	Road Optic
Color Temperate	ure				
		3000K	/ 4000K		
Controller					

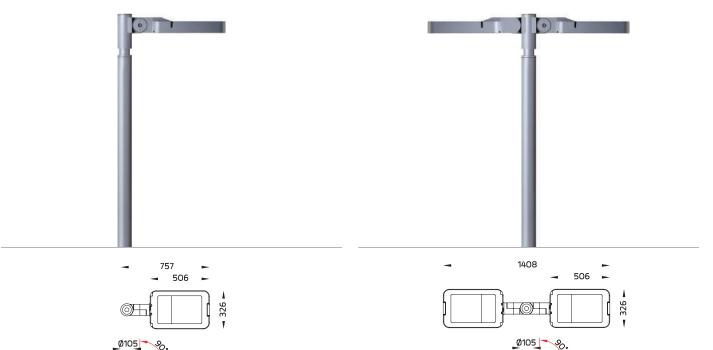
On-Off/ 1-10V/ DALI

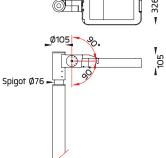
### 

# **KRONOS**

KRONOS Area Light / Single Sided

KRONOS Area Light / Double Sided





# KRONOS – Area Light

# AREA LIGHT

KRONOS – Area Light / Bi-symmetric Single Sided / 7771
KRONOS – Area Light / Bi-symmetric Double Sided / 7774
KRONOS – Area Light / Asymmetric Single Sided / 7770
KRONOS – Area Light / Asymmetric Double Sided / 7773
KRONOS – Area Light / Road Optic Single Sided / 7772
KRONOS – Area Light / Road Optic Double Sided / 7775
Luminaire Performance
11100 – 37860 lm
97 – 334 W
86 - 147 lm/W
Beam Options
Wide Elliptical H Asymmetric Road optic
Color Temperature
3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI
Accessories
Steel pole Anchor bolt



-105-

OH)

9<sup>0</sup>

51

Spigot Ø76 🛏





WALL MOUNT LUMINAIRES

**ANDROMEDA** is a round-shaped robust outdoor luminaire for public space illumination. The housing is made of corrosion resistant LM6 die-cast aluminium and is passivated with Nano Ceramic layer then coated with primer and super durable Polyester powder paint. Mini **ANDROMEDA** is equipped with high power LEDs with high CRI in 3000K or 4000K color temperature with 3 SDCM. It offers perfectly engineered light distributions for various lighting applications such as area lighting, car parks, open spaces and facade lighting. **ANDROMEDA** fulfills the dark sky requirement and is free from light pollution. The heat management has been delicately designed and tested under high ambient thermal condition. An integrated scale allows precise aiming of the luminaire to achieve the desired illumination level. The recommended mounting height is between 4 – 6 meters depending on the application. Available as an option are Aluminium Poles, Galvanized steel poles and anchorage unit for concrete foundations.





# Mini ANDROMEDA

### 1. Heat Sink Body

Computer-aided design heat sink with flow simulation analysis. Suitable for any area even without wind blow. Tested under ambient thermal condition Ta 50°C.

#### 2. Lens + LED

LED and optical lens from world renowned manufacturer. Available in narrow, medium, wide, elliptical, asymmetric forward throw and road optics – 3000K and 4000K CRI>80 3–Step SDCM.

3. Driver

High quality IP67 LED constant current driver. Complied with Safety and EMC regulations.

#### 4. Aiming

Graduated scale with locking mechanism. Adjustable with Hexagon tool.

#### 5. Quick Connector

Supplied with detachable connector for easy installation.



#### Specification

- Designed, Manufactured and tested according to IEC 60598.
- LM6 Die Cast Aluminium body.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module and driver.
- Pre-wired cable from the factory
- Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	[replace the last 2 digits of ordering code with O3]
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	[replace the last 2 digits of ordering code with 06]
Wooden Brown	(replace the last 2 digits of ordering code with 07)

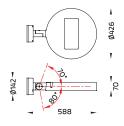
# ANDROMEDA

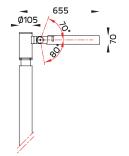
#### Mini ANDROMEDA Wall Light/Flood Light

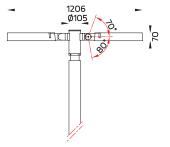


Mini ANDROMEDA Area Light / Single Sided Mini ANDROMEDA Area Light / Double Sided





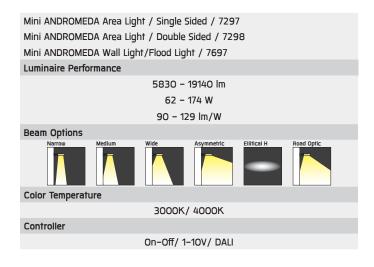


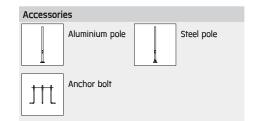


# Mini ANDROMEDA

### • AREA LIGHT

• WALL MOUNT LUMINAIRES







### INGROUND UPLIGHTER











**ZET** a walk-over in ground uplighter is fitted with high power LED or AC COB for cost effective installation. It is supplied with a post-cured silicone gasket and pre-wired IP67 anti-condensation kit.

**ZET** is commonly used to highlight architectural tasks, wall structures, low ceilings, and columns. The glare-shield honey comb and softening lens are available as accessories. To avoid installation issues and add another level of safety, it is pre-wired and is fitted with an anti-condensation device.











#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- Stainless steel, LM6 die-cast aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating. Safety glass cover.
- High performance lenses/ reflector. .
- Post-cured silicone gasket.
- High quality LED module.
- Pre-wired cable from the factory. •
- Installation must be carried out according to the enclosed product manual. .

VEHICLE INSPECTION CENTER, THAILAND



ZET

#### ZET1 Clear / Clear CVDA





Asymmetric

NEW!



Sharp Elliptical V



AC COB

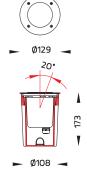


ZET5 COB Adjustable Clear







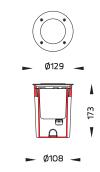


ZET1 Frost / Frost CVDA

**ZET3** Single LED







## ZET

## INGROUND UPLIGHTER

ZET1 - Clear / 9011
ZET1 - Clear CVDA / 9011
ZET5 – COB Adjustable Clear / 9013
ZET5 – Optic Adjustable Clear / 9013
ZET1 - Frost / 9002
ZET1 - Frost CVDA / 9002
ZET3 – Single LED / 9012
Luminaire Performance
7 – 1320 lm
2 - 16 W
2 – 101 lm/W
High power LED/ COB LED/ AC COB
Beam Options
Frosted Narrow Medium Wide Asymmetric Sharp Elliptical V
Color Temperature
2700K/ 3000K/ 4000K/ Red/ Green/ Blue
Controller
Remote driver On-Off/ 1-10V/ DALI
Integrate driver On-Off

Accessorie	!S		
	Honey comb louver	$\bigcirc$	Softening filter
	CC Driver		CV Driver
BLB	IP68 Connector		Deep ground recess housing

## **@Unilamp**

ZET2 Clear / Clear CVDA





Asymmetric

NEW!



Sharp Elliptical V

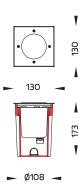
Ţ

130

173

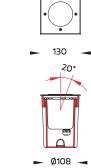


AC COB



ZET6 COB Adjustable Clear



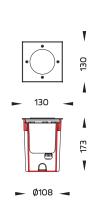


ZET2 Frost / Frost CVDA

ZET4 Frost / Frost CVDA







## ZET

## INGROUND UPLIGHTER

ZET2 - Clear / 9021
ZET2 - Clear CVDA / 9021
ZET6 – COB Adjustable Clear / 9023
ZET6 – Optic Adjustable Clear / 9023
ZET2 - Frost / 9004
ZET2 - Frost CVDA / 9004
ZET4 - Single LED / 9022
Luminaire Performance
7 – 1320 lm
2 – 16 W
2 – 101 lm/W
High power LED/ COB LED/ AC COB
Beam Options
Frosted Narrow Medium Wide Asymmetric Sharp Elliptical V
Color Temperature
2700K/ 3000K/ 4000K/ Red/ Green/ Blue
Controller
Remote driver On-Off/ 1-10V/ DALI
Integrate driver On-Off

Accessorie	s		
	Honey comb louver	$\bigcirc$	Softening filter
Ø®	CC Driver		CV Driver
BLB	IP68 Connector		Deep ground recess housing

#### INGROUND UPLIGHTER







**ARC** – the adjustable walkover inground-uplighter. **ARC** incorporates a unique aiming mechanism that is adjustable from the outside of the fixture using a standard screwdriver or hexagon key. This key benefit means the installer doesn't need to open the luminaire or remove it from the ground for adjustment. Final commissioning and aiming are carried out while the product is still sitting in the ground block-out. The housing is enhanced LM6 aluminium, and the front cover plate comes in stainless steel.

**ARC** offers outstanding beam quality with high contrast and precise control. The luminaire is fitted with a pre-wired supply cable for inground application and internally potted to prevent humidity and condensation.



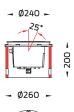


#### Specification

- Designed, Manufactured and Tested according to IEC 60598. .
- Stainless steel, LM6 die-cast aluminium housing.
- Stainless steel screws. •
- Nano Ceramic surface conversion. •
- Double layer coating. •
- . Safety glass cover.
- High performance PC lens. •
- Adjustable optical unit.
- Post-cured silicone gasket. High quality LED module. •
- .
  - Pre-wired cable from the factory. Installation must be carried out according to the enclosed product manual.

ARC





360°

#### ARC NEW!

.

### INGROUND UPLIGHTER

ARC / 9060
Luminaire Performance
720 – 2120 lm
19 – 27 W
38 – 79 lm/W
Beam Options
Narrow Medium Wide
Color Temperature
2700K/ 3000K/ 4000K
Controller
On-Off/ 1-10V/ DALI

## Accessories



#### INGROUND UPLIGHTER







**QUARK** a family of walkover and drive over in-ground uplighter with shallow housing for minimum recess depth. Designed for high power LED with the choices of three different color temperatures from 2700K, 3000K or 4000K in high color consistency and remarkable color rendering index. The light distribution is available in various pattern e.g. wall wash, bi-symmetric, narrow, medium, wide and elliptical beam.

**QUARK** is ideal for the illumination of plants, flagpoles, columns, walls, building facades and also architectural works and landmarks. To avoid installation issues and add another level of safety, it is pre-wired and is fitted with an anti condensation device. It is available in round and square with fixed or dimmable light output. Gel-filled water tight connecting devices are available as an accessory.

## Mini QUARK

#### 1. Front Frame

Corrosion resistant marine grade 316 stainless steel frame.

#### 2. Cover

Impact resistant tempered safety glass cover. Glass flushes to the front frame, no accumulation of dust and water.

#### 3. Lens + LED

LED and optical lens from world renowned manufacturer. Available in narrow, medium, wide, elliptical, asymmetric forward forward – 2700K, 3000K and 4000K CRI>80 3-Step SDCM.

#### 4. Driver

High quality LED constant current driver. Conform to applicable safety standards and electromagnetic compatibility.

## 5. Protest against water

Factory sealed with cable grand and Neoprene cable with Anti-Humidity kit.

#### 6. Recess Housing

Ground recess housing made from engineering polymer with glass-fiber reinforced. The luminaires can be driven over by small vehicles at low speed.





#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- Stainless steel, LM6 die-cast aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- High performance PC lens/ aluminium reflector.
- Post-cured silicone gasket.
- High quality LED module.
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual.

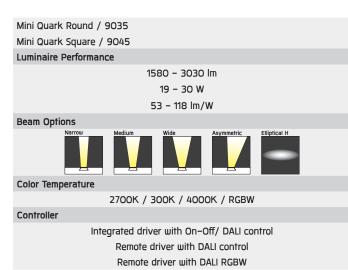
# **QUARK**

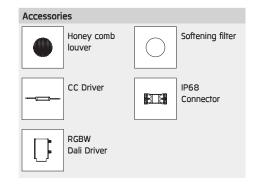
Mini Quark Round

Mini Quark Square - Ø240 -6 Ø306 277 --I 220 4 - 220 -

## QUARK

## INGROUND UPLIGHTER





R-EVOLVE, SOUTH PERTH - AUSTRALIA



## INGROUND UPLIGHTER



CbA

Content by Application CbF

Content by Family





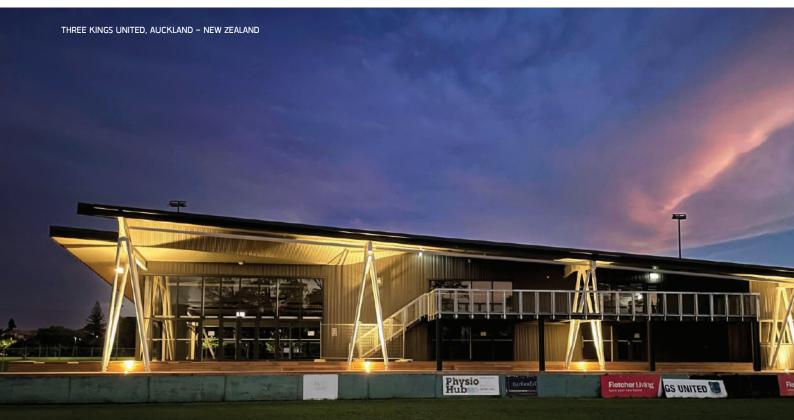
**GRAVITON** is designed for all kind of uplight illumination tasks where high level of illumination is needed. It is able to withstand loads up to 1000KG. The luminaire is fitted with a pre-wired supply cable for inground application and internally potted to prevent humidity and condensation.

**GRAVITON** is available with COB LED light source with choices of beam and color temperature. It can be used to illuminate plants, flagpoles, columns, building facades and other architectural works. We highly recommend that the luminaire lay out should be considered during specifying and planning processes.



#### Specification

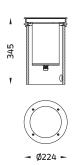
- Designed, Manufactured and Tested according to IEC 60598. .
- Stainless steel, LM6 die-cast aluminium and extruded aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion. •
- Double layer coating. Safety glass cover. .
- .
- Anodized aluminium reflector. •
- Post-cured silicone gasket.
- .
- High quality LED module. Pre-wired cable from the factory. .
- Installation must be carried out according to the enclosed product manual. .

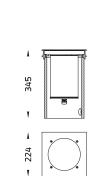




GRAVITON Round In-ground Uplighter GRAVITON Square In-ground Uplighter







- 224 -

GRAVITON

## INGROUND UPLIGHTER GRAVITON Round In-ground Uplighter / 9091 GRAVITON Square In-ground Uplighter / 9092 Luminaire Performance 1960 - 3390 Im 19 - 28W 96 - 130 Im/W Beam Options Marrow Medium Medium Mide 2700K/ 3000K/ 4000K Controller

On-Off/ 1-10V/ DALI





#### INGROUND UPLIGHTER







**QUANTUM** is a walk-over and drive-over in-ground uplighter with symmetrical light distribution. It is available with COB LED light source with choices of beam angle and color temperature. The luminaire housing separates the LED and driver compartment to achieve lower operating temperature and longer service time.

**QUANTUM** has an extensive range of connecting accessories to simplify the installation process. It has to be installed in the ground with the GFR polymer ground-recessed housing. The luminaire is fitted with a pre-wired supply cable for inground application and internally potted to prevent humidity and condensation. It is perfect for illuminating plants, flagpoles, columns, building facades and also architectural works and landmarks.



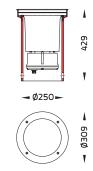
#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- Stainless steel, LM6 die-cast aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating. .
- Safety glass cover. •
- High performance reflector.
- Post-cured silicone gasket. High quality LED module. •
- •
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual.



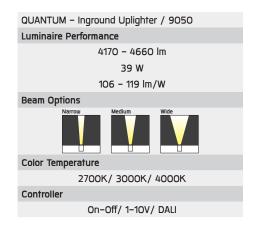
**GRAVITON** Round In-ground Uplighter





#### QUANTUM

#### INGROUND UPLIGHTER



Accessories				
٥	Glare shield ring		Recess housing	
BUS	IP68 Connector			

#### INGROUND UPLIGHTER









**NEW!** Mini AYERS One Opening 180

.

AYERS ground washer luminaires provide the users a low glare multi direction light distribution. The luminaire is able to withstand drive over applications at low speeds due to its robust high strength aluminium cover and GFR polymer recessed housing. The high quality optical mirrored reflector produces a high lumen output in a low silhouette fixture. Reflector designed and optimized by Photopia engineering software plus a COB LED from renowned manufacturers allow AYERS a high intensity sharp light output. The family is available in 2 sizes in one-opening, 2-opening and 4-opening. It is a perfect choice to illuminate ground surfaces. AYERS is supplied with a post-cured durable silicone gasket and pre-wired cable for outdoor application.



## **AYERS**

1. Top Cover High strength cast aluminium top cover. Impact resistant against vandalism.

2. Reflector High efficiency metalized Computer-aided design reflector.

**3. Heat Sink** State of Art aluminium heat sink designed by flow simulation analysis software.

- 4. Body Housing Corrosion resistant extruded aluminium housing with Nano Ceramic protection film.
- 5. Protest against water Factory sealed with cable grand and Neoprene cable with Anti-Humidity kit.

IP67	IK 10/08	CE		З SDCM	<b>CRI</b> >80		250 mA	OR		220 240 Vac 50/60Hz	AC
------	----------	----	--	-----------	-------------------	--	-----------	----	--	------------------------------	----

#### Specification

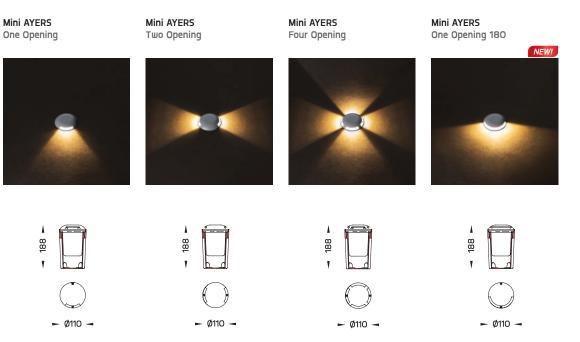
- Designed, Manufactured and Tested according to IEC 60598.
- High strength cast aluminium and extruded aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- Post-cured silicone gasket.
- High quality LED module.
- Available with integrated driver or remote driver.
- GFR PA6.6 terminal block.
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual.

#### Available Color

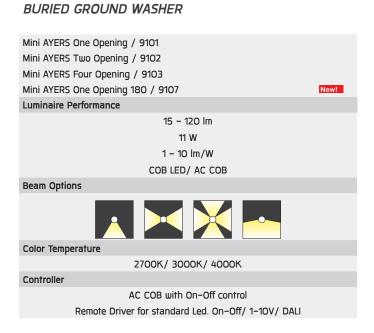
Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



# AYERS

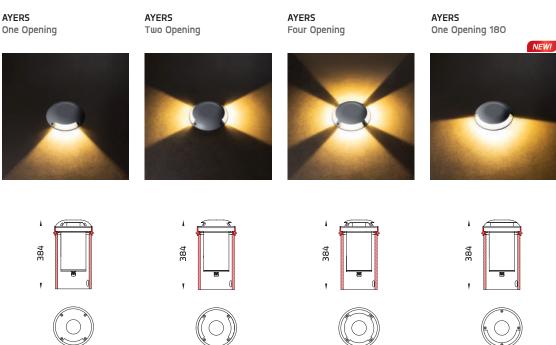


## **Mini AYERS**



Accessori	es		
Ø	CC Driver	BE	IP68 Connector

# AYERS



- Ø224 -

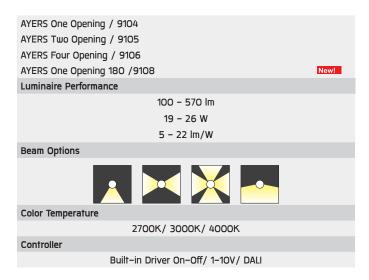
→ Ø224 ►

→ Ø224 ►

## **AYERS**

#### BURIED GROUND WASHER

- Ø224 -





#### ONGROUND UPLIGHTER









**SHOOTER** is a rigid ground-surface uplighter made of a corrosion resistant LM6 aluminium housing passivated with Nano ceramic and double coated with super durable paint. **SHOOTER** is engineered from the beginning to be an ultra reliable IP67 luminaire and be able to withstand harmful impact. The LED used in this luminaire is produced by market leading manufacturer with the choices of three different color temperatures from 2700K, 3000K or 4000K in high color consistency and outstanding CRI. It is suitable for installation where a typical in-ground uplighter cannot be used or a cost effective solution is necessary. This luminaire is ideal for illumination of columns, panels, blocks, and plants.

# SHOOTER



## **SHOOTER**

#### 1. LED Module

High Power LED in COB technology. 2700K, 3000K and 4000K. CRI >80 / 3-Step MacAdam Ellipse.

#### 2. Reflector Photopia-Designed reflector.

3. Safety Glass

Ultra white safety tempered glass cover. Protect against mechanical impact. Withstand the temperature up to 250°C.

4. Heat Sink Integrated CFC-AL© heat sink. Designed and tested under ambient thermal

5. Control Gear

condition Ta 50°C.

High quality Constant Current driver. Conforms to safety and EMC regulation.

6. Body Housing Enhanced LM6 die-cast aluminium body. Low copper content [<0.1%] Uitilize 16 stages pre-treatment and coating process.



#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- LM6 die-cast aluminium housing.
- Stainless steel screws.
- Nano Ceramic surface conversion.
- Double layer coating.
- Safety glass cover.
- High performance reflector. .
- Post-cured silicone gasket.
- High quality LED module. •
- Pre-wired cable from the factory. •
- . Installation must be carried out according to the enclosed product manual.

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)



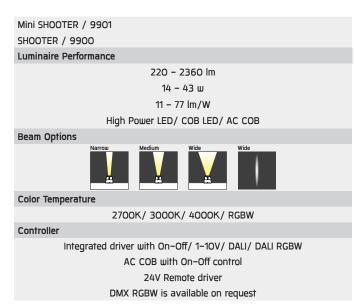
# SHOOTER

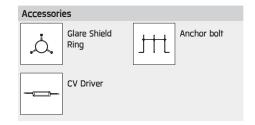
Mini SHOOTER

SHOOTER - Ø220 φ104 φ165 - Ø295 -

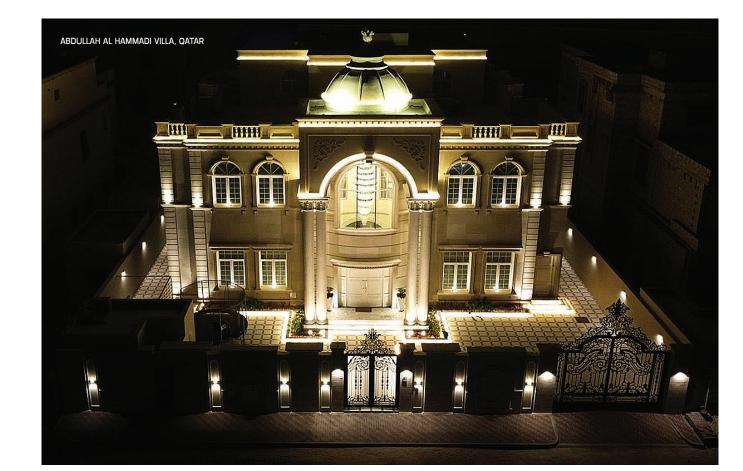
## SHOOTER







Onilamp







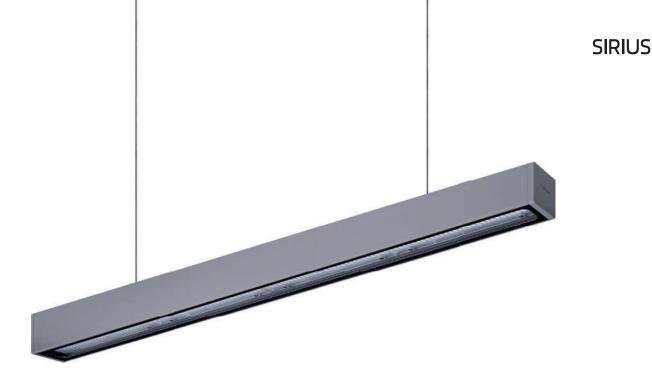






**SIRIUS** a brand new linear light family features various mounting application types including in-ground walk over, wall mounted, ceiling mounted and suspension light. SIRIUS utilized the latest LED technology from world renowned manufactures with the choices of multiple light distributions. It offered narrow beam, medium beam, wide beam, asymmetric wall washer, wash glazing, bi-symmetric and much more. Thanks to a screw-less, clear and clean-cut design SIRIUS can be installed in most application where a decent architectural expression is required. Diversity types of connecting accessory is available for this linear light family.







#### Specification

- Designed, Manufactured and Tested according to IEC 60598.
- Pure aluminium and extruded aluminium housing. .
- Stainless steel screws. .
- . Nano Ceramic surface conversion.
- Double layer coating.
- •
- Safety glass cover. High performance PC lens. .
- Post-cured silicone gasket. .
- High quality LED module.
- Pre-wired cable from the factory.
- Installation must be carried out according to the enclosed product manual. .

#### Available Color

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

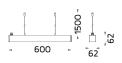
#### THE RESIDENCY TOWER PONDICHERRY, INDIA



# SIRIUS

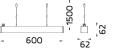


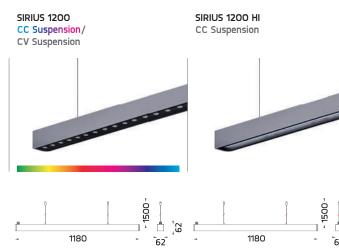












62

1180



- 1500 -

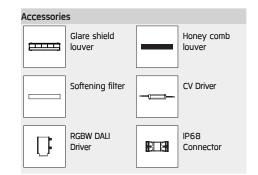
1180

ل 62 [3

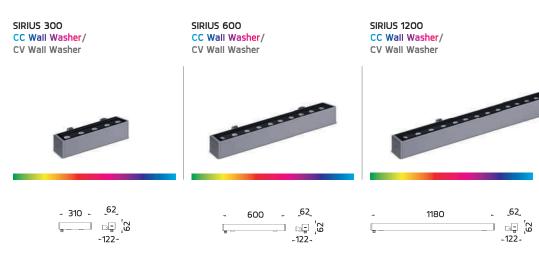
## SIRIUS – Suspension

## SUSPENSION LIGHT

SIRIUS 600 – CC Suspension / 1231 SIRIUS 600 – CV Suspension / 1231				
SIRIUS 600 HI – CC Suspension / 1231				
SIRIUS 1200 - CC Suspension / 1232				
SIRIUS 1200 - CV Suspension / 1232				
SIRIUS 1200 HI - CC Suspension / 1232				
930 - 4900 lm				
13 - 46 W				
53 – 111 lm/W				
Beam Options				
Narrow Medium Wide Asymmetric Elliptical H				
Color Temperature				
2700K/ 3000K/ 4000K/ RGBW				
Controller				
Integrated driver with On-Off/ 1-10V/ DALI control				
Remote driver with On-Off (CV) and DALI (RGBW) control				
DMX RGBW is available on request.				
CC = Integrated with constant current driver				
CV = constant voltage remote driver				
5				







SIRIUS 600 HI CC Wall Washer





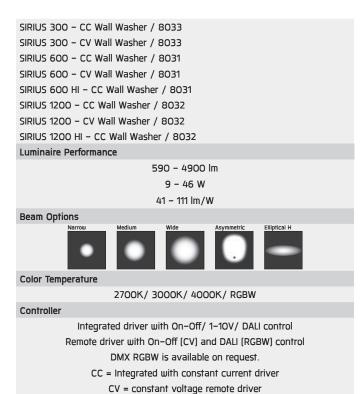


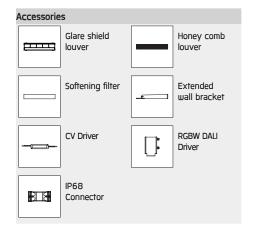




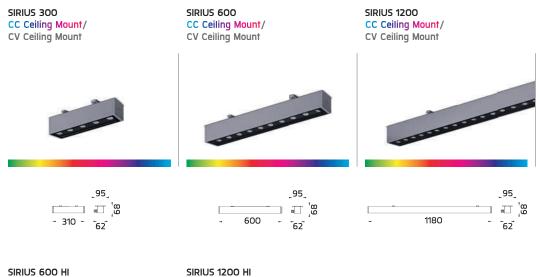
## SIRIUS – Wall Washer

SURFACE WASHER & FLOOD LIGHT





# SIRIUS

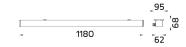


SIRIUS 600 HI CC Ceiling Mount





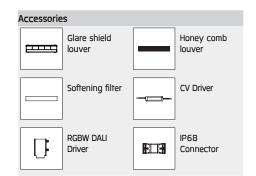




## SIRIUS - Ceiling Mount

## SURFACE DOWNLIGHT

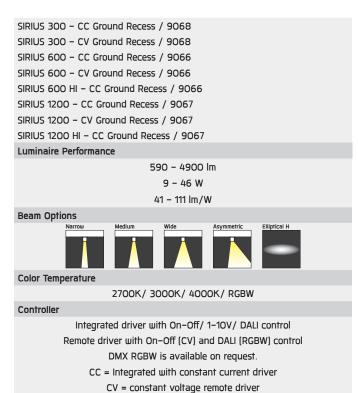
SIRIUS 300 - CC Ceiling Mount / 4233			
SIRIUS 300 – CV Ceiling Mount / 4233			
SIRIUS 600 – CC Ceiling Mount / 4231			
SIRIUS 600 - CV Ceiling Mount / 4231			
SIRIUS 600 HI - CC Ceiling Mount / 4231			
SIRIUS 1200 - CC Ceiling Mount / 4232			
SIRIUS 1200 - CV Ceiling Mount / 4232			
SIRIUS 1200 HI – CC Ceiling Mount / 4232			
Luminaire Performance			
590 – 4900 lm			
9 - 46 W			
41 – 111 lm/W			
Beam Options			
Narrow Medium Wide Asymmetric Elliptical H			
Color Temperature			
2700K/ 3000K/ 4000K/ RGBW			
Controller			
Integrated driver with On-Off/ 1-10V/ DALI control			
Remote driver with On-Off [CV] and DALI (RGBW) control			
DMX RGBW is available on request.			
CC = Integrated with constant current driver			
CV = constant voltage remote driver			

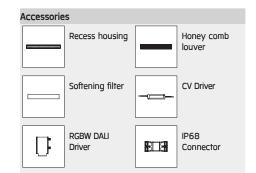




SIRIUS – Ground Recess

## INGROUND UPLIGHTER





LIVING COMPLEX, BANGKOK - THAILAI

#### ACCENT LINEAR LIGHT

LuxBeat







**LuxBeat** is the designer's choice for unconstraint creative light installations. High contrasting illumination of building elements is easily possible with the tiny luminaire dimensions and state of the art LED performance. The luminaire is top bendable and can be shorten on site. The use of optional stainless steel mounting clips eliminates the time consuming pretreatment of the installation surface.



#### Specification

- IP67 for indoor/ outdoor application.
- No heat sink required. Extra heat sink is recommended if Ta is over 40°C

- No near sink required. Extra near sink is recommended if it is over 40°C High quality silicone extrusion housing. Dot-free linear and homogeneous lighting performance. Very flexible top-bend style in ultra-thin appearance. Infield cutting and assembly (if needed). Simple mounted on clean surface by 3M tape (supplied with the strip). Or stainless steel mounting bracket (available as accessory). Perfect color consistency and uniformity.

- High light efficacy. No dark angle emitting part on both ends.

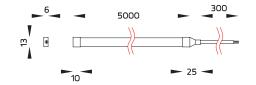
#### Notice

- Use suitable power supply with at least 20% power reserve.
  Maximum continuous installation length is 5m. Longer installation runs will result in electrical overload and excessive heat.
- Check correct polarity before power on. For outdoor application, make sure that proper silicone gluing is in place in order to maintain IP67 rating. Minimal bending diameter 30mm smaller bending diameter causes
- damage to the LED module.
- Installation, dismantling and repairs must be carried out by qualified electrician.

(11.0

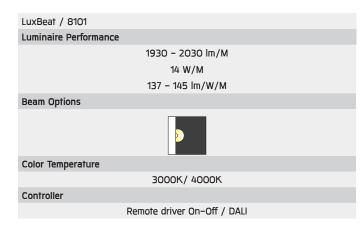
# LuxBeat





## **LuxBeat**

Accent Linear Light



Accessories				
∞₩→ 0	Power cable kit	<u> </u>	Fixing Bracket	
	IP68 Connector		CV Driver	







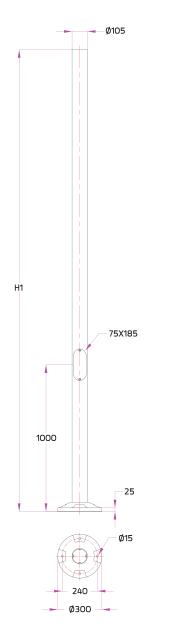




# POLE AND ANCHOR BOLT KIT

# POLE AND ANCHOR BOLT KIT

#### Aluminium Pole



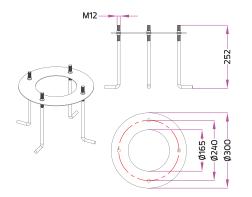
Straight Cylindical Extruded Aluminium Pole Diameter 105 mm.

Туре	Ordering Code	H1 (mm.)
	0296-0-9-000-XX	3000
16A Fuse + Prepared for dimming	0297-0-9-000-XX	3500
	0298-0-9-000-XX	4000

#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

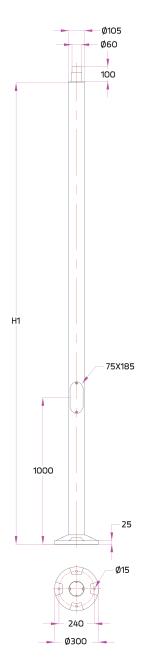
Anchor Bolt Kit for this pole Ordering Code: 0090-0-9-000-00



#### For Luminaires :



#### Aluminium Pole



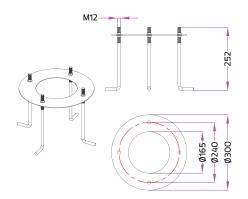
Straight Cylindical Extruded Aluminium Pole Diameter 105 mm. with Spigot Size 60 mm.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for dimming	0305-0-9-000-XX	3000
	0306-0-9-000-XX	3500
	0307-0-9-000-XX	4000

#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

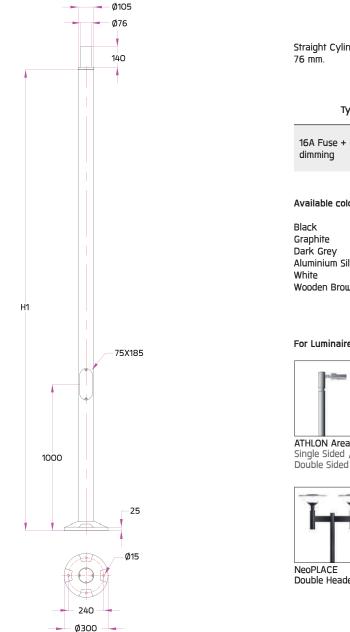
Anchor Bolt Kit for this pole Ordering Code: 0090-0-9-000-00



For Luminaires :



#### Aluminium Pole



Straight Cylindical Extruded Aluminium Pole Diameter 105 mm. with Spigot Size 76 mm.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for dimming	0302-0-9-000-XX	3000
	0303-0-9-000-XX	3500
	0304-0-9-000-XX	4000

#### Available colors

lack	(replace the last 2 digits of ordering code with O1)
raphite	(replace the last 2 digits of ordering code with O2)
ark Grey	[replace the last 2 digits of ordering code with O3]
luminium Silver	(replace the last 2 digits of ordering code with O4)
/hite	(replace the last 2 digits of ordering code with O6)
/ooden Brown	(replace the last 2 digits of ordering code with 07)

#### For Luminaires :



Area Light Single Sided / Double Sided





Double Sided

NEOS Area Light

Single Sided / Double Sided



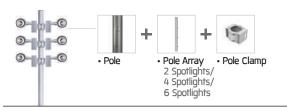
Pole Top Light Single Sided / Double Sided



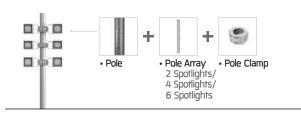
NeoPLACE Double Headed

#### **Customized Pole Mounting Options :**

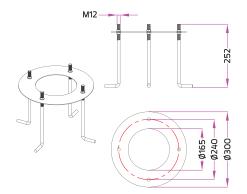
for Mega SONIC Pole Array :



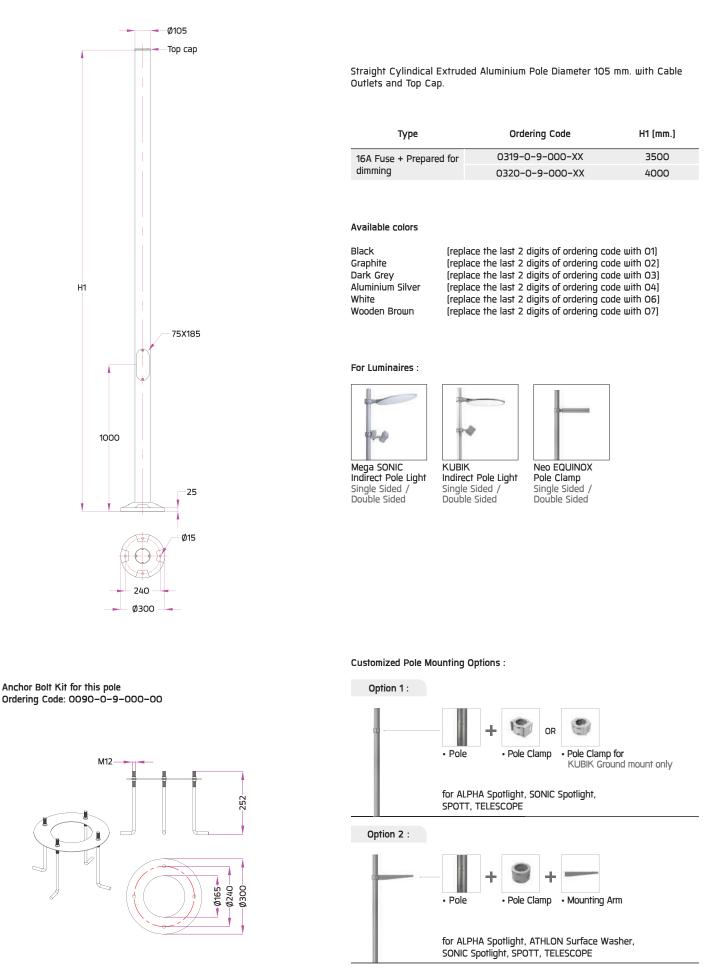
for KUBIK Pole Array :



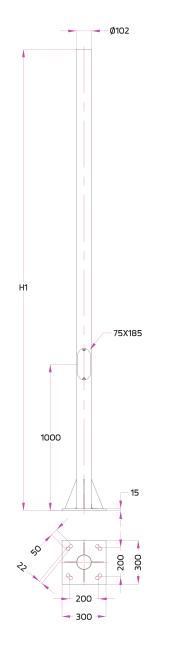
Anchor Bolt Kit for this pole Ordering Code: 0090-0-9-000-00



#### Aluminium Pole



#### Gavalnized Steel Pole



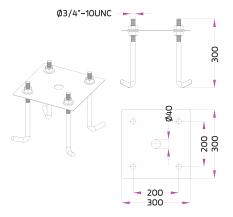
Straight Cylindical Hot-Dipped Gavalnized Steel Pole Diameter 102 mm.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for dimming	0300-0-9-000-XX	4000
	0301-0-9-000-XX	5000
	0527-0-9-000-XX	6000

#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

Anchor Bolt Kit for this pole Ordering Code: 0213-0-9-000-00

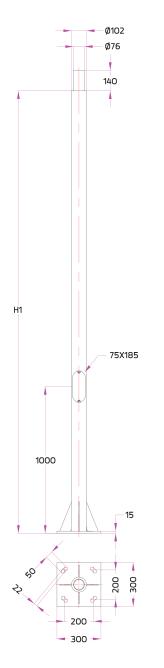


#### For Luminaires :





#### **Gavalnized Steel Pole**



Straight Cylindical Hot-Dipped Gavalnized Steel Pole Diameter 102 mm. with Spigot Size 76 mm.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for dimming	0309-0-9-000-XX	4000
	0310-0-9-000-XX	5000
	0528-0-9-000-XX	6000

#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

#### For Luminaires :



Small SIROCCO Area Light Single Sided /



Double Sided

NEOS Area Light

Single Sided / Double Sided



Neo EQUINOX Pole Top Light Single Sided / Double Sided

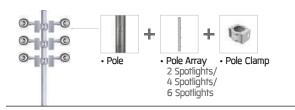
ATHLON Area Light Single Sided / Double Sided



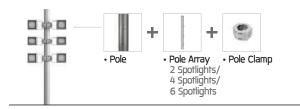
Double Headed

#### **Customized Pole Mounting Options :**

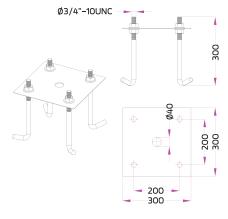
for Mega SONIC Pole Array :



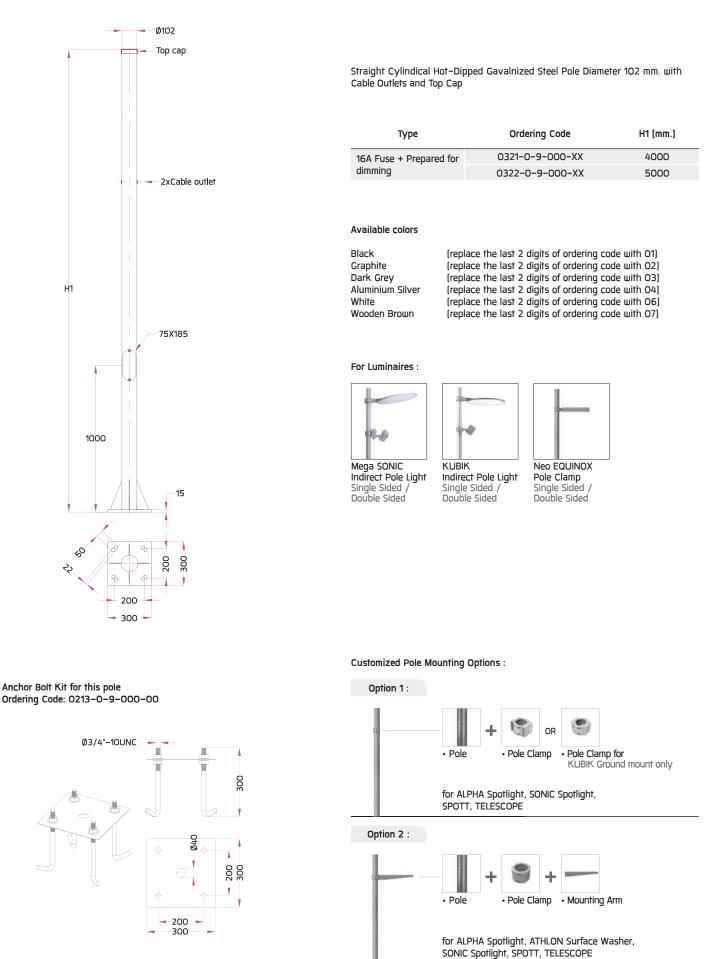
for KUBIK Pole Array :



Anchor Bolt Kit for this pole Ordering Code: 0213-0-9-000-00

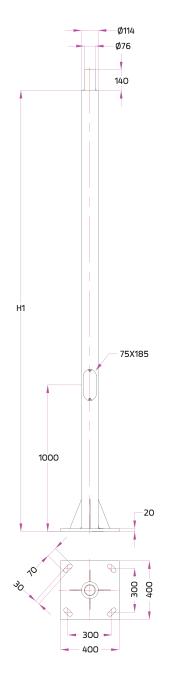


#### Gavalnized Steel Pole





#### Gavalnized Steel Pole



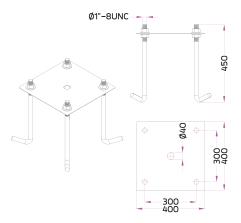
Straight Cylindical Hot-Dipped Gavalnized Steel Pole Diameter 114 mm. with Spigot Size 76 mm.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for dimming	0315-0-9-000-XX	6000

#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with 06)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

Anchor Bolt Kit for this pole Ordering Code: 0214-0-9-000-00



#### For Luminaires :



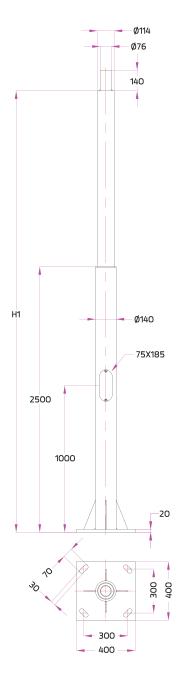
Area Light Single Sided / Double Sided Small SIROCCO Area Light Single Sided / Double Sided



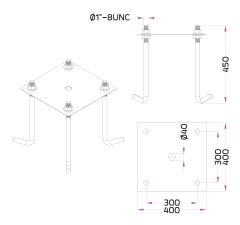


Neo EQUINOX Pole Top Light Single Sided / Double Sided

#### Gavalnized Steel Pole



Anchor Bolt Kit for this pole Ordering Code: 0214-0-9-000-00



Straight Cylindical Hot-Dipped Gavalnized Steel Pole Diameter 14O/114 mm. with Spigot Size 76 mm.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for	0316-0-9-000-XX	7000
dimming	0317-0-9-000-XX	8000

#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

#### For Luminaires :

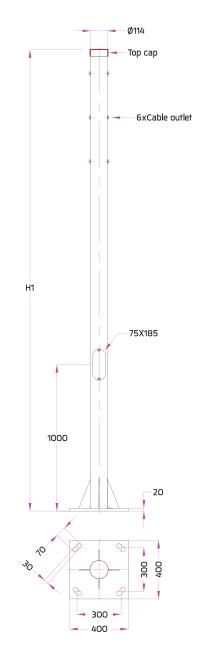


Mini ANDROMEDA Area Light Single Sided / Double Sided Small SIROCCO Area Light Single Sided / Double Sided



Area Light Single Sided / Double Sided

#### **Gavalnized Steel Pole**



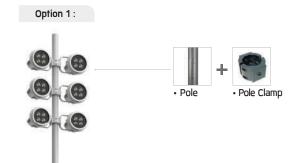
Straight Cylindical Hot–Dipped Gavalnized Steel Pole Diameter 114 mm. with Cable Outlets and Top Cap.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for	0311-0-9-000-XX	5000
dimming	0312-0-9-000-XX	6000

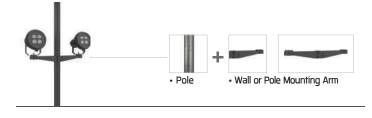
#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

**Customized Pole Mounting Options :** 



Option 2 :



For Luminaires :





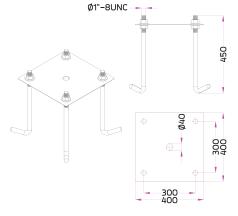


CANNON280

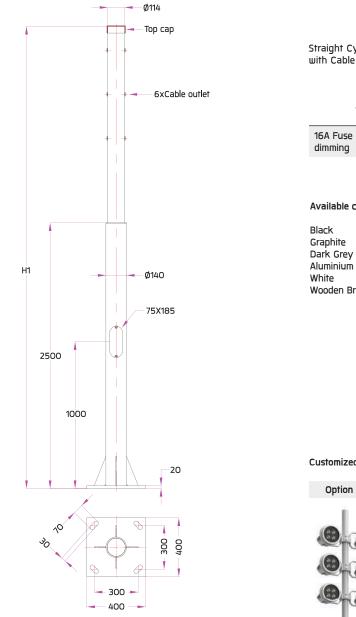
CANNON360

SIROCCO Floodlight KRONOS Floodlight

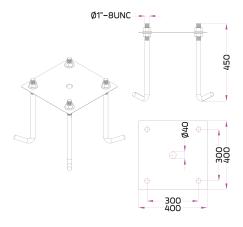
Anchor Bolt Kit for this pole Ordering Code: 0214-0-9-000-00



#### **Gavalnized Steel Pole**



Anchor Bolt Kit for this pole Ordering Code: 0214-0-9-000-00



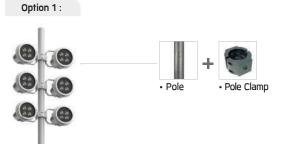
Straight Cylindical Hot-Dipped Gavalnized Steel Pole Diameter 14O/114 mm. with Cable Outlets and Top Cap.

Туре	Ordering Code	H1 (mm.)
16A Fuse + Prepared for	0313-0-9-000-XX	7000
dimming	0314-0-9-000-XX	8000

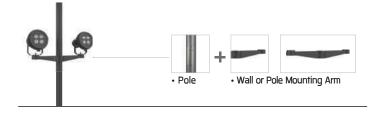
#### Available colors

Black	(replace the last 2 digits of ordering code with O1)
Graphite	(replace the last 2 digits of ordering code with O2)
Dark Grey	(replace the last 2 digits of ordering code with O3)
Aluminium Silver	(replace the last 2 digits of ordering code with O4)
White	(replace the last 2 digits of ordering code with O6)
Wooden Brown	(replace the last 2 digits of ordering code with 07)

**Customized Pole Mounting Options :** 



Option 2 :



For Luminaires :

CANNON280





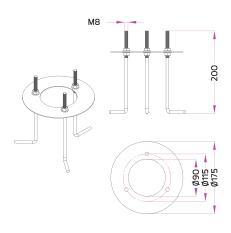


CANNON360

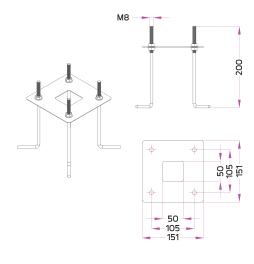
SIROCCO Floodlight KRONOS Floodlight

#### Anchor Bolt Kit

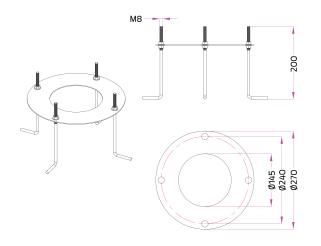
Ordering Code: 0084-0-9-000-00



Anchor Bolt Kit Ordering Code: 0087-0-9-000-00







#### For Luminaires :





POM

MACRON



For Luminaires :





**BICEPS Bollard** 

#### For Luminaires :



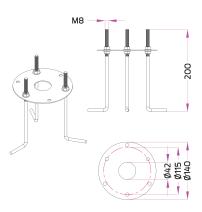


SHOOTER



#### Anchor Bolt Kit

Ordering Code: 0177-0-9-000-00



For Luminaires :

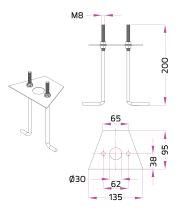




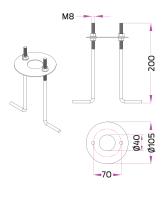


Medium CHARISMA Round Bollard

Anchor Bolt Kit Ordering Code: 0256-0-9-000-00



Anchor Bolt Kit Ordering Code: 0269-0-9-000-00





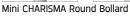
For Luminaires :

ZOID

#### For Luminaires :













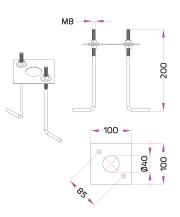


Mini AGAR Bollard

Mini CYCLOPS

#### Anchor Bolt Kit

Ordering Code: 0270-0-9-000-00

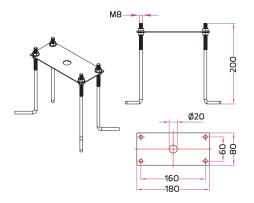


For Luminaires :



Mini CHARISMA Square Bollard

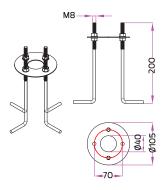
Anchor Bolt Kit Ordering Code: 0500-0-9-000-00



For Luminaires :

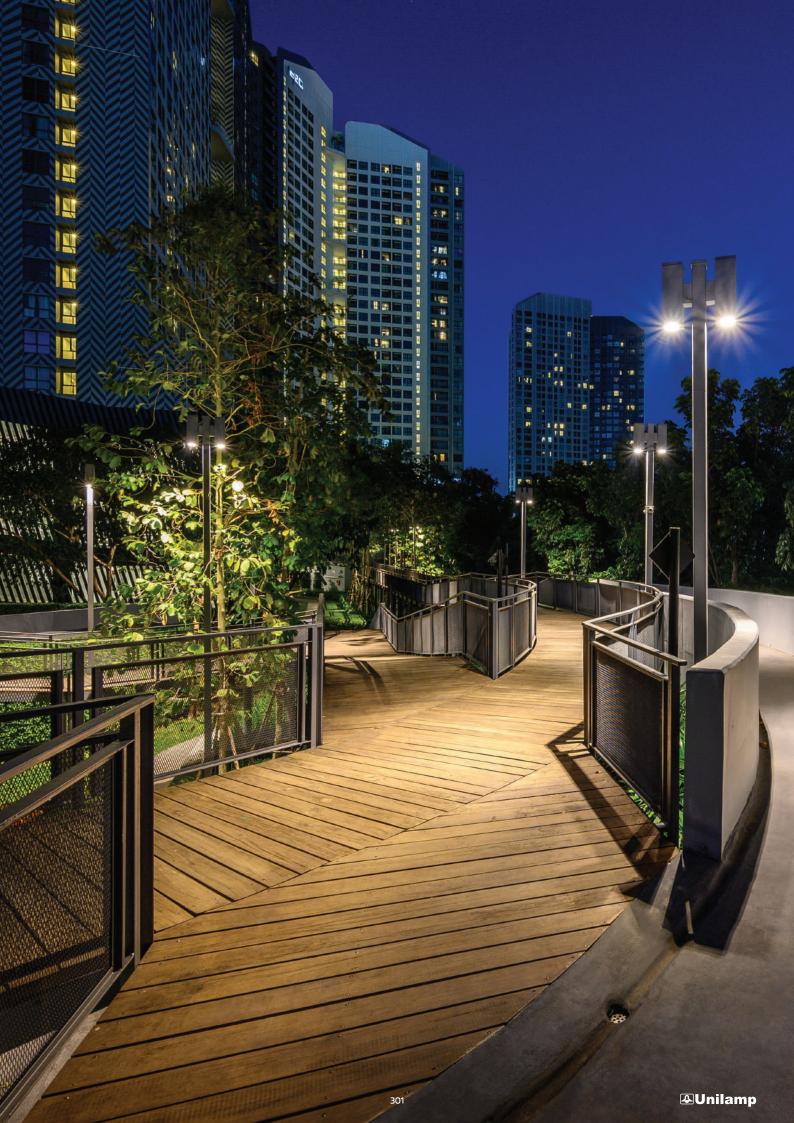


Anchor Bolt Kit Ordering Code: 0510-0-9-000-00



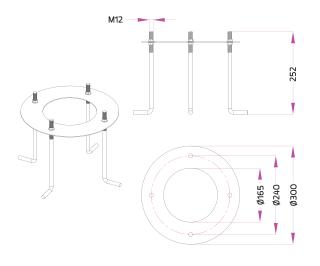
#### For Luminaires :





#### Anchor Bolt Kit

Ordering Code: 0090-0-9-000-00



For Luminaires :

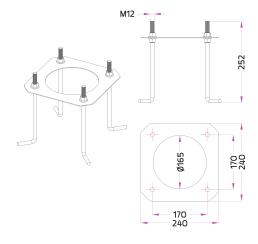




Maxi TUBE Pole Light

Mini PILLAR Pole

Anchor Bolt Kit Ordering Code: 0132-0-9-000-00

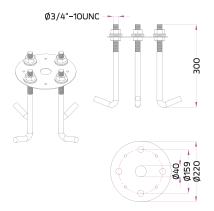


For Luminaires :



Maxi CORE Pole Light

Anchor Bolt Kit Ordering Code: 0251-0-9-000-00

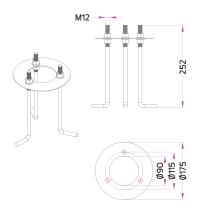


For Luminaires :



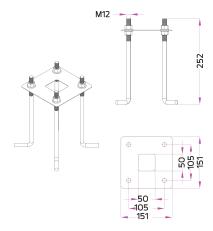
#### Anchor Bolt Kit

Ordering Code: 0278-0-9-000-00





Anchor Bolt Kit Ordering Code: 0279-0-9-000-00



For Luminaires :





Orde	ring Code	Product Name			
LED Constant Curre	nt Driver				
Image: A state of the state	0057-0-9-000-00	LED Constant Current Driver 350mA 3W. In IP67 GFR Polymer Box	for DOT, ATOM CC, Micro ALPHA Round CC, Micro KUBIK CC, VOLGA CC		
<b>/</b>	0274-0-9-000-01	LED Constant Current Driver 700mA 20W. In IP67 GFR Polymer Box	for ZET Optic Adjustable		
	0275-0-9-000-01	LED Constant Current Driver 350mA 15W. In IP67 GFR Polymer Box	for ZET1 Frost / Clear, ZET2 Frost / Clear		
	0397-0-9-000-01	LED Constant Current Driver 700mA 3.5W. In IP67 GFR Polymer Box	for DOT, ATOM CC, Micro ALPHA Round CC, Micro KUBIK CC, VOLGA CC		
	0402-0-9-000-01	LED Constant Current Driver 1050mA 22W in IP67 GFR Polymer Box	for Mini ALPHA Square / Round , Mini KUBIK Ground Mount , ZET1 Frost / Clear, ZET2 Frost / Clear		
•	0403-0-9-000-01	LED Constant Current Driver 700mA 20W in IP67 GFR Polymer Box [DIM 1–10V]	for ZET Optic Adjustable		
<b>/</b>	0404-0-9-000-01	LED Constant Current Driver 1050mA 38W in IP67 GFR Polymer Box [DALI]	for Mini ALPHA Square / Round , Mini KUBIK Ground Mount, ZET1 Frost / Clear, ZET2 Frost / Clear		
	0426-0-9-000-00	LED Constant Current Driver 1200mA 6W. In IP67 GFR Polymer Box	for Micro ALPHA Round CC, Micro KUBIK CC, VOLGA CC		
	0436-0-9-000-00	LED Constant Current Driver 700mA 40W. In IP67 GFR Polymer Box	for Medium ALPHA Round		
	0437-0-9-000-00	LED Constant Current Driver 700mA 32W. In IP67 GFR Polymer Box [DIM 1–10V]	for Medium ALPHA Round, ACQUA		
	0438-0-9-000-00	LED Constant Current Driver 700mA 38W. In IP67 GFR Polymer Box [DALI]	for Medium ALPHA Round, ACQUA, ZET Optic Adjustable		
<b>.</b>	0454-0-9-000-00	LED Constant Current Driver 700mA 20W. In IP67 GFR Polymer Box [DALI] Including IP68 "Series-Wiring LED" Distribution Box for 2-3 Luminaires	for ATOM CC, DOT CC, Micro ALPHA CC, Micro KUBIK CC, VOLGA CC		
<b>/</b>	0455-0-9-000-00	LED Constant Current Driver 250mA 10W. In IP67 GFR Polymer Box	for ZET COB Adjustable, Mini AYER		
	0456-0-9-000-00	LED Constant Current Driver 250mA 13W. In IP67 GFR Polymer Box [DIM 1–10V]	for ZET COB Adjustable, Mini AYER		
	0457-0-9-000-00	LED Constant Current Driver 250mA 11W. In IP67 GFR Polymer Box [DALI]	for ZET COB Adjustable, Mini AYER		
<b>/</b>	0458-0-9-000-00	LED Constant Current Driver 500mA 27W. In IP67 GFR Polymer Box [DALI]	for Mini QUARK		
	0534-0-9-000-00	LED Constant Current Driver 1050mA 38W. In IP67 GFR Polymer Box [DIM 1–10V]	for Mini ALPHA Square / Round , Mini KUBIK Ground Mount, ZET1 Frost / Clear, ZET2 Frost / Clear		
LED Constant Voltag	LED Constant Voltage Driver				
	0276-0-9-000-01	LED Constant Voltage Driver 12Vdc 10W. In IP67 GFR Polymer Box	for ATOM CV, Micro ALPHA Round CV, Micro KUBIK CV		
	0445-0-9-000-00	LED Constant Voltage Driver 24Vdc 150W.	for VAREE, SIRIUS CV, Mini ALPHA Square CV, Mini ALPHA Round – Gear CV, SKUNA CVDA, ZOUK CVDA, I–BRICK CVDA, Mini AGROS 1, Min ARGOS 3, Mini KUBIK CVDA, ACQUA/1 CV, Mini CYCLOPS CVDA, ZET CVDA, Mini SHOOTER, Mini SONIC, Mini CAP		

Ordering	Code	Product Name	
LED Constant Voltage Dr			·
	0446-0-9-000-00	LED Constant Voltage Driver 24Vdc 40W.	for Varee, Sirius CV, Mini Alpha CVDA, Skuna CVDA, Zouk CVDA, I-Brick CVDA, Mini Argos 1, Mini Argos 3, Mini Kubik CVDA, Acqua/1 CV, Mini Cyclops CVDA, Zet CVDA, Mini Shooter, Mini Sonic, Mini Cap
	0448-0-9-000-00	LED Constant Voltage Driver 12Vdc 30W.	for ATOM CV, Micro ALPHA Round CV, Micro KUBIK CV
	0486-0-9-000-00	LED Constant Voltage Driver 12Vdc 100W.	for ATOM CV, Micro ALPHA Round CV, Micro KUBIK CV
	0541-0-9-000-00	LED Constant Voltage Driver 24Vdc 60W. [DALI]	for LuxBeat
	0542-0-9-000-00	LED Constant Voltage Driver 24Vdc 12OW. [DALI]	for LuxBeat
RGBW LED Driver			
<b>I D</b>	0459-0-9-000-01	RGBW LED Constant Current Driver 4x700mA 4x18W [DALI] in IP66 Aluminium Box with additional 10kV Surge protector	for Medium ALPHA Round RGBW, KUBIK RGBW, Mini Quark RGBW
	0460-0-9-000-01	RGBW LED Constant Current Driver 4x250mA 4x12W [DALI] in IP66 Aluminium Box with additional 10kV Surge protector	for SIRIUS RGBW
	0461-0-9-000-01	RGBW LED Constant Voltage Driver 24Vdc 4x25W [DALI] in IP66 Aluminium Box with additional 10kV Surge protector	for VAREE RGBW
	0472-0-9-000-01	RGBW LED Constant Current Driver 4x500mA 4x18W [DALI] in IP66 Aluminium Box with additional 10kV Surge protector	for Mini Quark RGBW
LED Converter			
	0427-0-9-000-00	LED Convertor input 12-24Vdc output 1050mA DALI In IP67 GFR Polymer Box	for ATOM CC, Micro ALPHA Round CC, Micro KUBIK CC, VOLGA CC
	0443-0-9-000-00	LED Convertor input 12-24Vdc output 700mA DALI In IP67 GFR Polymer Box	for ATOM CC, Micro ALPHA Round CC, DOT, Micro KUBIK, VOLGA CC
	0444-0-9-000-00	LED Convertor input 12-24Vdc output 350mA DALI In IP67 GFR Polymer Box	for ATOM CC, Micro ALPHA Round CC, DOT, Micro KUBIK CC, VOLGA CC
Connector and Distribution	on Box		
	0066-0-9-000-00	IP67 Connection Box for Through Wiring	for QUARK
	0138-0-9-000-00	IP68 Water Tight Connection Device for Through Wiring	for ARC, AYERS, GRAVITON, QUARK, ZET
	0245-0-9-000-00	Gel-Filled IP68 Connector for through wiring cable diameter 6.5 - 12 mm.	for ACQUA/1, AYERS, ZET, GRAVITON, QUANTUM, QUARK, Mini QUARK, VAREE, SIRIUS, ARC
	0246-0-9-000-00	Gel-Filled IP68 Connector cable diameter 8.0 - 10.0 mm.	for ACQUA/1, AYERS, ZET, GRAVITON, QUANTUM, QUARK, Mini QUARK, VAREE, ARC
	0247-0-9-000-00	Gel-Filled IP68 Connector cable diameter 4.8 - 6.0 mm.	for ATOM, VAREE, VOLGA CC
	0248-0-9-000-00	IP68 Water Tight Connecting Device Cable Diameter 7 – 12 mm.	for AGAR Bollard, ARC, AYERS, BICEPS Bollard, CANNON, CYCLOPS, FUJI, GRAVITON, KRONOS Floodlight, KUBIK Ground Mount, KUBIK Pole Light & Wall Light, MACRON Bollard, Mini ALPHA, Medium ALPHA, CHARISMA, SONIC, NEOS, QUANTUM, QUARK, Small SIROCCO Floodlight, SPOTT, TELESCOPE, TOWER Bollard, ZET

	Ordering Code	Product Name	
Connector an	d Distribution Box		
<b>8</b>	0258-0-9-000-00	IP68 'Series-Wiring' LED Distribution Box for 1–3 Luminaires	for ATOM CC, DOT, ZET1 Clear/ Frost, ZET2 Clear/ Frost
<b>H</b> HIII	0396-0-9-000-00	Gel-Filled IP68 Connector for through wiring cable diameter 6.5 - 12.0 mm. [DALI or 1-10V]	for quantum, quark, graviton, ayers, varee, zet CVDA, arc
	0413-0-9-000-00	IP68 Water tight connecting device, 5-pole, for cable diameter 7.1 - 13.0 mm. [DALI or 1-10V]	for AGAR Bollard, CANON, CYCLOPS, FUJI Bollard, KRONOS Floodlight, KUBIK, MACRON Bollard, Mini ALPHA Round Gear, Medium ALPHA Round Gear, Medium ALPHA Square, CHARISMA Bollard, SONIC, Mini QUARK, NEOS, SIRIUS CC, Small SIROCCO Floodlight, SPOTT, TELESCOPE Gear, TOWER Bollard
	0414-0-9-000-00	IP68 Water tight connecting device with distribution block, 5-pole, 1 input – 2 output, for cable diameter 7.1– 13.0 mm. [DALI or 1–10V]	for AGAR Bollard, ARC, CANNON, CYCLOPS, FUJI Bollard, MACRON Bollard, CHARISMA Bollard, SONIC Stand, Mini QUARK, NEOS, SIRIUS CC, TOWER Bollard
	0497-0-9-000-00	IP68 Water tight connecting device, 3-pole, for cable diameter 7.0 - 11.5 mm.	for Agar Bollard, Arc, Biceps Bollard, Cannon, Cyclops, FUJI Bollard, Kronos, Kubik, Macron Bollard, Mini Alpha, Medium Alpha, Charisma Bollard, Sonic, Cap, Neos, Small Sirocco, Spott, Telescope, Tower Bollard
	0498-0-9-000-00	IP68 Water tight connecting device, 5-pole, for cable diameter 8.0 - 12.5 mm. [DALI or 1-10V]	for Agar Bollard, Arc, Cannon, Cyclops, Fuji Bollard, Kronos, Kubik, Macron Bollard, Mini Alpha, Medium Alpha, Charisma Bollard, Sonic, Cap, Neos, Small Sirocco, Spott, Telescope Gear, Tower Bollard
Honey Comb	Louver		
$\bigcirc$	0265-0-9-000-01	Honey Comb Louver [for LED]	for ZET 1 Clear, ZET 2 Clear
	0280-0-9-000-00	Honey Comb Louver	for Mini Quark Square
$\bigcirc$	0283-0-9-000-00	Honey Comb Louver	for Mini Quark Round
	0399-0-9-000-00	Honey Comb Louver	for Mini ALPHA Square
$\bigcirc$	0405-0-9-000-00	Honey Comb Louver	for ACQUA/1, Mini ALPHA Round, Mini KUBIK, ZET Clear / CVDA, ZET Optic Adjustable / CVDA
	0417-0-9-000-00	Honey Comb Louver [pre-assembled from factory]	for SIRIUS 600 (not for SIRIUS 600 HI)
	0421-0-9-000-00	Honey Comb Louver [pre-assembled from factory]	for SIRIUS 1200 (not for SIRIUS 1200 HI)
	0423-0-9-000-00	Honey Comb Louver	for KUBIK Optic, Medium ALPHA Round, Medium TUBE Optic, SHOOTER (not for mini SHOOTER), VAREE
	0433-0-9-000-00	Honey Comb Louver	for Medium ALPHA Square
	0449-0-9-000-00	Honey Comb Louver	for TELESCOPE
$\bigcirc$	0450-0-9-000-00	Honey Comb Louver [pre-assembled from factory]	for Micro ALPHA Round Snoot
0	0462-0-0-000-00	Honey Comb Louver (pre-assembled from factory)	for Micro ALPHA Round
	0463-0-9-000-00	Honey Comb Louver (pre-assembled from factory)	for VOLGA CC

Orderi	ing Code	Product Name	
Honey Comb Louver			
	0475-0-9-000-00	Honey Comb Louver [pre-assembled from factory]	for SIRIUS 300
	0478-0-9-000-00	Honey Comb Louver (pre-assembled from factory)	for SIRIUS 600 HI
	0479-0-9-000-00	Honey Comb Louver (pre-assembled from factory)	for SIRIUS 1200 HI
	0509-0-9-000-00	Honey Comb Louver (pre-assembled from factory)	for ARC
	0511-0-9-000-00	Honey Comb Louver [pre-assembled from factory]	for Mini Slim KUBIK
Glare Shield Louver			
	0268-0-9-000-00	Glare Shield Ring for COB	for Maxi CORE, Maxi TUBE, Medium TUBE, Medium SONIC, SHOOTER (not for Mini SHOOTER)
	0430-0-9-000-00	Glare Shield Louver (for Bi-Symmetric Lens)	for SIRIUS 600 (not for SIRIUS 600 HI)
	0431-0-9-000-00	Glare Shield Louver (for Asymmetric Lens)	for SIRIUS 600 (not for SIRIUS 600 HI)
	0441-0-9-000-00	Glare Shield Louver (for Bi-Symmetric Lens)	for SIRIUS 1200 (not for SIRIUS 1200 HI)
	0442-0-9-000-00	Glare Shield Louver (for Asymmetric Lens)	for SIRIUS 1200 (not for SIRIUS 1200 HI)
$\bigcirc$	0453-0-9-000-00	Glare Shield Ring for COB	for CANNON 280, CANNON S280, Maxi CORE Pole Light, Mega SONIC, QUANTUM
	0480-0-9-000-00	Glare Shield Louver (for Bi-Symmetric Lens)	for SIRIUS 300 Wall Washer, SIRIUS 300 Ceiling Mount
	0481-0-9-000-00	Glare Shield Louver (for Asymmetric Lens)	for SIRIUS 300 Wall Washer, SIRIUS 300 Ceiling Mount
ف	0499-0-9-000-00	Glare Shield Ring For COB (for Aluminium Reflector)	for GRAVITON, KUBIK (not for mini KUBIK), Maxi CORE, Maxi TUBE, Medium TUBE, Medium SONIC, Mega SONIC Pole Light & Wall Light, SHOOTER, SPOTT LED
Glare Shield Cap and	Barn Door		
	0023-0-9-000-XX	Glare Shield Cap	for Mini SONIC
	0024-0-9-000-XX	Glare Shield Cap	for Medium SONIC
	0025-0-9-000-XX	Glare Shield Cap	for Mega SONIC
	0206-0-9-000-XX	Glare Shield Cap	for KUBIK
j j	0210-0-9-000-XX	Barn Doors	for KUBIK
	0236-0-9-000-00	Glare Shield Cap	for CANON 280

Ordering Code	Product Name	
Glare Shield Cap and Barn Door		
0237-0-9-000-00	Glare Shield Cap	for CANON 360
0267-0-9-000-XX	Glare Shield Cap	for Mini KUBIK
0398-0-9-000-06	Uplight Shield	for NeoPLACE
0447-0-9-000-XX	Glare Shield Cap.	for Micro KUBIK
0512-0-9-000-XX	Glare Shield Cap	for Mini Slim KUBIK
0522-0-9-000-XX	Glare Shield Cap	for Mini ALPHA Round
0523-0-9-000-XX	Glare Shield Cap	for Medium ALPHA Round
0524-0-9-000-XX	Glare Shield Cap	for Mini ALPHA Square
0525-0-9-000-XX	Glare Shield Cap	for Mini ALPHA Square ID
0526-0-9-000-XX	Glare Shield Cap	for Medium ALPHA Square
0531-0-9-000-XX	Glare Shield Cap	for NEOS
Softening Filter and Flat Beam Lens		
0281-0-9-000-00	Softening Filter	for Mini Quark Square
0284-0-9-000-00	Softening Filter	for Mini Quark Round
0286-0-9-000-00	Softening Filter	for VAREE Spotlight
0288-0-9-000-00	Softening Filter	for ATOM
0290-0-9-000-00	Softening Filter	for ATHLON
0294-0-9-000-00	Softening Filter	for ZET AC COB
0400-0-9-000-00	Softening Filter	for Mini ALPHA Square
0406-0-9-000-00	Softening Filter	for Mini ALPHA Round
0415-0-9-000-00	Softening Filter (pre-assembled from factory)	for SIRIUS 600

Ordering Co	de	Product Name	
Softening Filter and Flat Bea	m Lens		
0419	9-0-9-000-00	Softening Filter (pre-assembled from factory)	for SIRIUS 1200
0424	4-0-9-000-00	Softening Filter	for KUBIK Optic, Medium ALPHA Round, Medium TUBE Optic, SHOOTER (not for Mini SHOOTER), VAREE
0428	3-0-9-000-00	Softening Filter	for Micro ALPHA Round
0434	4-0-9-000-00	Softening Filter	for Medium ALPHA Square
0464	4-0-9-000-00	Softening Filter (pre-assembled from factory)	for VOLGA
0466	5-0-9-000-00	Softening Filter (pre-assembled from factory)	for Mini SKUNA1
0468	8-0-9-000-00	Softening Filter (pre-assembled from factory)	for Mini SKUNA2
0470	0-0-9-000-00	Softening Filter (pre-assembled from factory)	for VAREE Wall Recess, VAREE Surface Mount
0473	3-0-9-000-00	Softening Filter	for SIRIUS 300
Earth Spike and Tree Strap			
<b>1 1 1</b>	3-0-9-000-00	Glass-Fiber Reinforced Polymer Earth Spike	for ATHLON, ALPHA, SONIC, SPOTT, TELESCOPE
0103	3-0-9-000-00	Tree Strap for Small Base	for ATHLON, ALPHA, SONIC, SPOTT, TELESCOPE
0168	3-0-9-000-00	Double Tree Strap for Big Base	for SONIC, SPOTT
<b>1 1 0476</b>	5-0-9-000-01	Glass-Fiber Reinforced Polymer Earth Spike	for Mini ALPHA Square, Medium ALPHA Square
● 0477 ● ● ● ● ●	7-0-9-000-01	Tree Strap for Small Base	for Mini ALPHA Square, Medium ALPHA Square
0487	7-0-9-000-XX	Aluminium Earth Spike L 900 mm.	for Micro ALPHA Round
0488	8-0-9-000-XX	Aluminium Earth Spike L 900 mm.	for Micro KUBIK
0496	5-0-9-000-00	Tree Strap	for Micro ALPHA Round, Micro KUBIK Ground Mount, VOLGA Spotlight, ATOM Spotlight
Recess Housing			
0181-	-0-9-000-00	Deeper Ground Recess Housing	for ZET
0207	7-0-9-000-00	Ground Installation Block Out	for QUANTUM
0418	8-0-9-000-01	Recess Housing	for SIRIUS 600 Inground

	Orderi	ng Code	Product Name	
Recess House	sing			
		0422-0-9-000-01	Recess Housing.	for SIRIUS 1200 Inground
	-	0485-0-9-000-01	Recess Housing.	for SIRIUS 300 Inground
Pole Array,	Pole Clam	p and Pole Mounting		
ļ	÷	0034-0-9-000-XX	Pole Top Mount Adaptor Spigot Size 76 mm.	for CANON, SIROCCO Floodlight, KRONOS Floodlight
	-	0036-0-9-000-XX	Wall or Pole Mounting Arm Diameter 114 mm.	for CANON, SIROCCO Floodlight, KRONOS Floodlight
٢		0037-0-9-000-XX	Pole Clamp Diameter 114 mm.	for CANON 280, CANON 360
		0483-0-9-000-XX	Pole Clamp Diameter 102–105 mm.	for SIROCCO Floodlight, Medium SIROCCO Floodlight, KRONOS Floodlight
8		0484-0-9-000-XX	Pole Clamp Diameter 114 mm.	for SIROCCO Floodlight, KRONOS Floodlight
•	• <u> </u>	0489-0-9-000-XX	Wall or Pole Mounting Double Arm Diameter 114 mm.	for CANNON 280, CANNON 360, SIROCCO Floodlight, KRONOS Floodlight
٩	ا توج چین	0501-0-9-000-XX	Pole Clamp Diameter 102–105 mm. for Mega SONIC	for ALPHA, SONIC, SPOTT, TELESCOPE
۲		0502-0-9-000-XX	Pole Clamp Diameter 102–105 mm. for KUBIK	for KUBIK
	<u>ن</u>	0503-0-9-000-XX	Wall array for 2 spotlights	for Mega SONIC, KUBIK
	<b></b>	0504-0-9-000-XX	Wall array for 4 spotlights	for Mega SONIC, KUBIK
	←→	0505-0-9-000-XX	Wall array for 6 spotlights	for Mega SONIC, KUBIK
	ł	0506-0-9-000-XX	Pole array for 2 spotlights	for Mega SONIC, KUBIK
		0507-0-9-000-XX	Pole array for 4 spotlights	for Mega SONIC, KUBIK
		0508-0-9-000-XX	Pole array for 6 spotlights	for Mega SONIC, KUBIK
Þ	۹	0514-0-9-000-XX	Pole mount adaptor for square pole	for NEOS – Floodlight
Þ	۹]	0515-0-9-000-XX	Pole mount adaptor for pole dia 60 mm.	for NEOS – Floodlight
Þ	۹	0516-0-9-000-XX	Pole mount adaptor for pole dia 76 mm.	for NEOS – Floodlight
Þ	۵]	0517-0-9-000-XX	Pole mount adaptor for pole dia 102–105 mm.	for NEOS – Floodlight

	Orderi	ng Code	Product Name	
Pole Array	, Pole Clam	p and Pole Mounting		
		0536-0-9-000-XX	Pole Clamp Diameter 60-76 mm.	for ALPHA Spotlight, SONIC Spotlight, SPOTT, TELESCOPE
8		0537-0-9-000-XX	Pole Clamp Diameter 60-76 mm.	for KUBIK Spotlight
	L	0538-0-9-000-XX	Mounting arm for 1–3 Spotlights	for ALPHA Spotlight, SONIC Spotlight, SPOTT, TELESCOPE, ATHLON Surface Washer
9	Cané gad	0539-0-9-000-XX	Pole Clamp Diameter 102–105 mm. for mounting arm	for ALPHA Spotlight, SONIC Spotlight, SPOTT, TELESCOPE, ATHLON Surface Washer
Ð	ر میں روالی	0540-0-9-000-XX	Pole Clamp Diameter 60-76 mm. for mounting arm	for ALPHA Spotlight, SONIC Spotlight, SPOTT, TELESCOPE, ATHLON Surface Washer
Mounting I	Base and W	all Bracket		
ļ	<b>*</b>	0033-0-9-000-XX	Mounting Base	for CANNON, SIROCCO Floodlight, KRONOS Floodlight
	<b>*</b>	0395-0-9-000-XX	Mounting Base for dimming interface [1–10V or DALI]	for CANNON, SIROCCO Floodlight, KRONOS Floodlight
	_	0432-0-9-000-XX	Extra Long Wall Bracket L=250 mm.	for SIRIUS Wall Washer
•	•	0518-0-9-000-XX	Ground mount base or Wall mount base (pre-assembly from factory)	for NEOS – Floodlight
		0519-0-9-000-XX	Turnable round base for Ground mount or Wall mount [Pre-assembly from factory]	for NEOS – Floodlight
	[	0520-0-9-000-XX	Wall Spacer	for NEOS – Floodlight
	V	0521-0-9-000-XX	Corner Bracket	for NEOS – Floodlight
d b		0530-0-9-000-00	Fixing Bracket [1set / 20 pcs.]	for LuxBeat
Pre-Wired	Cable and	Power Cable		
		0492-0-9-000-00	Cable 2x1 sqmm length 2000 mm. with anti-humidity kit (pre-assembled from factory)	for KUBIK Ground Mount, Mini ALPHA, Medium ALPHA Round
/		0493-0-9-000-00	Cable 3x1 sqmm length 2000 mm. with anti-humidity kit [pre-assembled from factory]	for ATHLON, CORE Recess Downlight, TUBE Recess Downlight, Mini ALPHA, Medium ALPHA, SONIC, SPOTT, TELESCOPE
		0494-0-9-000-00	Cable 3x1 sqmm and 2x0.35 sqmm length 2000 mm. with anti-humidity kit [pre-assembled from factory]	for ATHLON, CORE Recess Downlight, TUBE Recess Downlight, Mini ALPHA, Medium ALPHA, SONIC, SPOTT, TELESCOPE
/		0532-0-9-000-00	Cable 3x1 sqmm length 500 mm. with anti-humidity kit [pre-assembled from factory]	for ATHLON, CORE Recess Downlight, TUBE Recess Downlight, Mini ALPHA, Medium ALPHA, SONIC, SPOTT, TELESCOPE
		0533-0-9-000-00	Cable 2x1 sqmm length 500 mm. with anti-humidity kit [pre-assembled from factory]	for KUBIK Ground Mount, Mini ALPHA, Medium ALPHA
	<b>□</b> →↓ 0	0535-0-9-000-00	Power cable kit: 300 mm. cable with endcap + front cap	for LuxBeat
Sensor				
4=10		0513-0-9-000-00	Photo Cell – Control one luminaire (pre-assembly from factory)	for NEOS

## ICON

IP54	Degree of protection	IK 08 09	Impact resistant Body (Upper)		Class II	24 Vdc	Input Voltage
	5		Optić (Lower)				
IP55	Degree of protection	IK <u>08</u> 10	Impact resistant Body (Upper) Optic (Lower)		Class III	(1050) mA	Input Current
IP65	Degree of protection	IK 09 06	Impact resistant Body (Upper) Optic (Lower)	CE	CE mark	250 mA	Input Current
IP66	Degree of protection	IK 09 07	Impact resistant Body (Upper) Optic (Lower)	LED	LED Lamp type	500 mA	Input Current
IP67	Degree of protection	IK 09 08	Impact resistant Body (Upper) Optic (Lower)	<mark>З</mark> SDCM	3 steps MacAdam ellipse	700 mA	Input Current
IP68	Degree of protection	IK 09	Impact resistant Body (Upper) Optic (Lower)	4 SDCM	4 steps MacAdam ellipse	1200 mA	Input Current
IK 05/07	Impact resistant Body (Upper) Optic (Lower)	IK <u>09</u> 10	Impact resistant Body (Upper) Optic (Lower)	5 SDCM	5 steps MacAdam ellipse	RGBW	RGBW
$IK \frac{07}{07}$	Impact resistant Body (Upper) Optic (Lower)	$IK\frac{10}{06}$	Impact resistant Body (Upper) Optic (Lower)	<b>CRI</b> >40	Color Rendering Index		Motion Sensor
IK 07 09	Impact resistant Body (Upper) Optic (Lower)	IK <u>10</u> 07	Impact resistant Body (Upper) Optic (Lower)	<b>CRI</b> >70	Color Rendering Index	(	On/Off
IK <sup><u>08</u></sup>	Impact resistant Body (Upper) Optic (Lower)	IK <u>10</u> 08	Impact resistant Body (Upper) Optic (Lower)	<b>CRI</b> >80	Color Rendering Index	1-100	Dimmable 1–10V
IK <u>08</u>	Impact resistant Body (Upper) Optic (Lower)	IK <u>10</u> 09	Impact resistant Body (Upper) Optic (Lower)		AC COB module	DALI	DALI
IK <u>08</u> 07	Impact resistant Body (Upper) Optic (Lower)	IK <u>10</u>	Impact resistant Body (Upper) Optic (Lower)	220 240 Vac 50/60Hz	Input Voltage		
IK 08 08	Impact resistant Body (Upper) Optic (Lower)		Class I	12 Vdc	Input Voltage		

#### IP Rating

It is the designation system to indicate the degrees of protection of the luminaire against ingress of solid foreign bodies and harmful ingress of water. It consists of the characteristic letters IP followed by two numerals indicating conformity with the conditions stated in table below.

First numeral	Explanation	Second numeral	Explanation
0	Non-protected	0	Non-protected
1	Protected against solid objects greater than 50 mm.	1	Protected against dripping water
2	Protected against solid objects greater than 12 mm.	2	Protected against dripping water when tilted up to 15°
3	Protected against solid objects greater than 2.5 mm.	3	Protected against spraying water
4	Protected against solid objects greater than 1 mm.	4	Protected against splashing water
5	Dust-protected	5	Protected against water jets
6	Dust-tight	6	Protected against heavy seas
		7	Protected against temporary immersion
		8	Protected against continuous submersion

#### IK Rating

It is the designation system to indicate the degrees of protection of the luminaire against harmful external mechanical Impacts. It is indicated by the code letters (IK) and followed by characteristic group numeral (from OO to 10). Each characteristic group numeral represents an impact energy value as shown in table below.

Relation between IK rate and impact energy (in joules).					
IK Rate	Impact energy, J	Explanation			
IK 00	Non-protected				
IK 01	0.14	Resistant against an impact from an object of 200 grams thrown from a distance of 7.5 cm.			
IK 02	0.2	Resistant against an impact from an object of 200 grams thrown from a distance of 10 cm.			
IK 03	0.35	Resistant against an impact from an object of 200 grams thrown from a distance of 17.5 cm.			
IK 04	0.5	Resistant against an impact from an object of 200 grams thrown from a distance of 25 cm.			
IK 05	0.7	Resistant against an impact from an object of 200 grams thrown from a distance of 35 cm.			
IK 06	1	Resistant against an impact from an object of 500 grams thrown from a distance of 20 cm.			
IK 07	2	Resistant against an impact from an object of 500 grams thrown from a distance of 40 cm.			
IK 08	5	Resistant against an impact from an object of 1.7 kg. thrown from a distance of 29.5 cm.			
IK 09	10	Resistant against an impact from an object of 5 kg. thrown from a distance of 20 cm.			
IK 10	20	Resistant against an impact from an object of 5 kg. thrown from a distance of 40 cm.			

#### Protection against electrical shock

Luminaires are classified according to the type of protection against electrical shock provided as Class I, Class II and Class III.

Class	Symbol	Explanation
Class I		Luminaire is provided for the connection of accessible conductive parts to The protective (earthing) conductor in the fixed wiring installation.
Class II		An additional protective insulation is provided apart from functional insulation. Under any fault condition, no dangerous voltage can reach metal parts.
Class III		Luminaire in which protection against electrical shock relies on supply at Safety extra-low voltage.

	1	1
	/	/

	1	1
	/	/

## Unilamp

### CONTACT US

Unilamp Co.,Ltd.

unilamp@unilamp.co.th www.unilamp.co.th

#### THAILAND

#### Sale office and showroom:

461 Ramintra Road, Kannayao, Bangkok 10230 Thailand Tel: +66[0]2 943 2420-1, +66[0]2 946 4170-1 Fax: +66[0]2 943 2419

#### Purchasing office and warehouse:

2519 Ladprao 79, Ladprao Road, Wangthonglang, Bangkok 10310 Thailand Tel: +66[0]2 539 8588, +66[0]81 935 4726

#### Engineering office:

2519 Ladprao 79, Ladprao Road, Wangthonglang, Bangkok 10310 Thailand Tel: +66[0]84 427 7235

#### Machining and coating factory:

25 Moo 11 Tambol Bansang, Amper Bansang, Prachinburi 25150 Thailand Tel: +66[0]85 133 5904

#### Assembly factory:

f

0

(in)

y

29 Moo 3 Tambol Bansang, Amper Bansang, Prachinburi 25150 Thailand Tel: +66[0]89 900 5904

#### MIDDLE EAST

#### Sale support office:

Sharjah Airport International Freezone, Sharjah, United Arab Emirates Contact Person: Mr. Shakhir Azam Tel: +971 50 7654183 E-mail : shakhir@unilamp.co.th Contact Person: Mr. Samar Qadar (for Specification) Tel: +971 50 9178493 E-mail : samar\_q@unilamp.co.th

#### INDIA, SRI LANKA, BANGLADESH, PAKISTAN, MALDIVES, NEPAL, BHUTAN

#### Sale support office:

A-31/S-1 [Block A], Dilshard Garden, Delhi 110095 Contact Person: Mr. Deepanshu Biswas Tel: +91 9871135550 E-mail: deepanshu\_b@unilamp.co.th

#### NORWAY

#### Associate Company:

UNILAMP NORDEN AS INDUSTRIVEIEN 11 1481 HAGAN, NORWAY Tel: +47 67 49 47 70 Tel: +47 22 32 50 22 Website : https://www.unilamp.no

#### INDONESIA

#### Sale support office:

Grand Slipi Tower Lt. 9, Unit G, Jl. Letjen, S.Parman Kav. 22–24, Palmerah, Jakarta Barat 11480 Contact Person: Mr. Kevin Kesha Tel: +62 811 920 4647 E-mail : kevin\_k@unilamp.co.th

#### PHILIPPINES

#### Sale support office:

353 M.L. Quezon St. Lower Bicutan Taguig City, Philippines Contact Person: Ms. Sherwin Sajul Tel: +63 916 445 7515 E-mail : sherwin@unilamp.co.th

#### Follow us on ...

https://www.facebook.com/UnilampThailand/

https://www.instagram.com/unilamp.thailand/

https://www.linkedin.com/company/unilamp/

D) Unilamp Thailand

https://twitter.com/UnilampLighting

#### DUE TO THE CONSTANCY OF PRODUCT DEVELOPMENT, WE RESERVE THE RIGHT TO ALTER ALL SPECIFICATION WITHOUT PRIOR NOTICE.

PLEASE CHECK PRODUCT AVAILABLITY AND UPDATES ON OUR WEBSITE OR SALES REPRESENTATIVE.

# 🕰 Unilamp

# LED LUMINAIRES