POP LIGHT
The Power of LED

LUNUX
LIGHTING

SMART
LIGHTING
SOLUTIONS

LUNUX LIGHTING
INDUSTRY LIGHTING SOLUTIONS

Efficiency up to 180 lm/W

Maximum flexibility

Individual. Specialized. Innovative.

Commune

Industry

Rail

Q-Rail X - The trunking system

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LUNUX Lighting GmbH, based in Leipzig, stands for professional LED outdoor and indoor lighting.

We develop and produce for municipalities, private project developers, industry, trade, office, logistics and rail transport. With the two brands HELLUX and LUNUX Lighting, a wide variety of customer needs can be satisfied.

Our strength is the requirement mix of project specifications, required lighting efficiency and product quality.

Whether quickly available standard products with cutting-edge LED modules or small quantities with individual assembly in manufactory production we have solutions that set standards in design and economy in addition to their high functional maturity. To achieve this, we rely on a high level of vertical integration in Germany, with in-house lighting design, construction, assembly and painting.

LIGHTING SOLUTIONS FOR RETAIL, LOGISTICS AND INDUSTRY

PERFECT FLEXIBILITY

FAST AMORTISATION

DARKLIGHT
EFFECT

SMART
LIGHTING
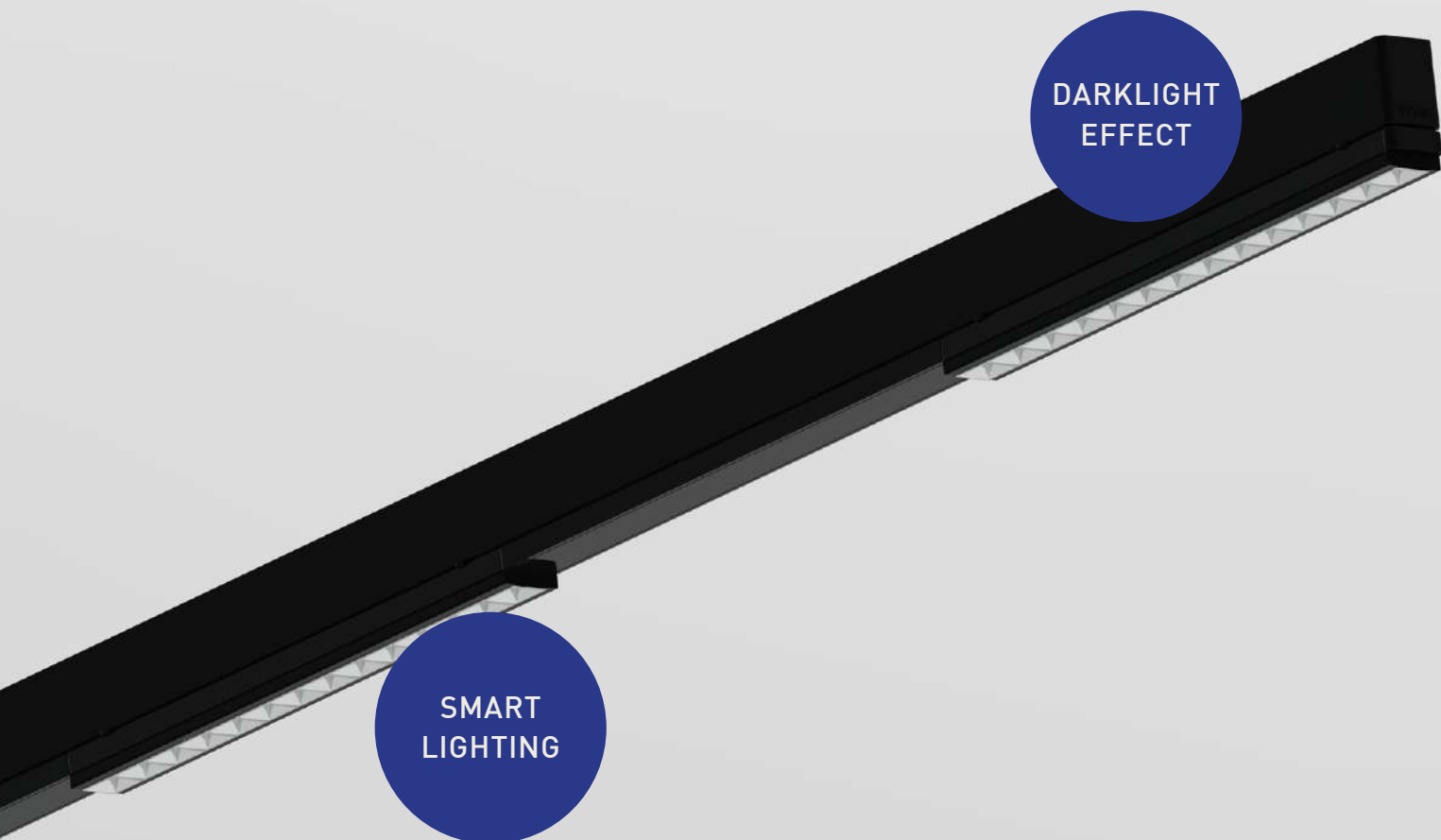
FLEXIBEL   EFFICIENT   RELIABLE

body+beauty

Q-Rail X – The efficient allrounder

One system, many applications. The Q-Rail X system impresses with its high flexibility and application-oriented solutions for the most diverse areas.

ACCENT LIGHTING WITH SPOTS

ELEGANT SPOTS WITH DIFFERENT BEAM ANGLES FROM NARROW TO WIDE BEAM

→ SP-X Spots have got the same toolless „ClickFast" connection as the linear fittings.

→ Project-specific spots for powerful directed light, e.g. for wall wash or promotion areas.

→ 3-phase spots with typical 3-circuit adapters can be used with our integrated 2-phase power rail Q-Rail X units.

TRUNKINGS AS INFRASTRUCTURE

THE Q-RAIL X TRUNKING SYSTEM OFFERS MORE THAN THE BEST LIGHT

Not only electrical units, spots, sensors or emergency lighting units with self-test can be integrated into the electrical and mechanical infrastructure but also on customer request:

→ Switching and control device for central battery system

→ Cameras

→ Speakers

→ Exit sign luminaires

GENERAL AND ACCENT LIGHTING IN ONE UNIFORM DESIGN LANGUAGE

STYLISH – ATTRACTIVE LIGHTING SYSTEM FOR BOTH THE GENERAL AND THE ACCENT LIGHTING IN MINIMISED DIMENSIONS

→ The cross sectional area is only 25% of a conventional light line system

→ Visible continuous light line

→ LED driver, also for spots, hidden inside the trunk

→ Standard colours White RAL 9016, Silver RAL 9006 or Black RAL 9005

13 APPLICATION-OPTIMISED OPTICS

PERFECTLY SUITABLE FOR APPLICATIONS IN LOGISTICS, INDUSTRY AND RETAIL

→ Narrow, ultra narrow, medium, wide and ultra wide light beams and opalized optics

→ Asymmetrical - and two versions of double-asymmetrical light beams

→ Direct / Indirect Beam

→ Suitable for installation heights between <3 and 20 m

PERFECT ILLUMINATION

13 application optimised optics
Maximum flexibility

POP LIGHT
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Ultra Narrow Beam UNB	Narrow Beam NB	Medium Beam MB / MB-O *	Wide Beam WB / WB-O *	Ultra Wide Beam UWB
Very high and narrow racks	High shelves and high halls	General lighting for medium installation hights	General lighting for low installation hights	General lighting and wide shelf aisles
Installation height 10 - 20 m	Installation height 6 - 12 m	Installation height 5 - 7 m	Installation height 3 - 5 m	Installation height < 3 m
4000 cd/klm	1500 cd/klm	800 cd/klm	600 cd/klm	750 cd/klm
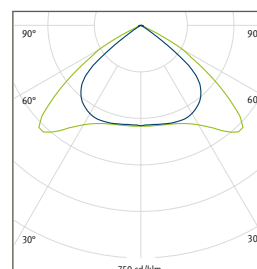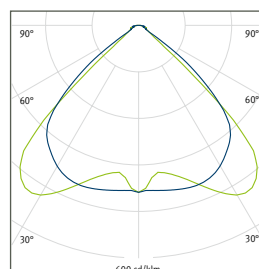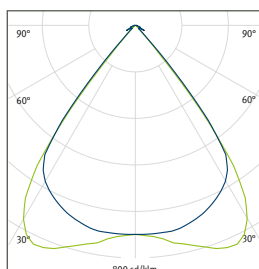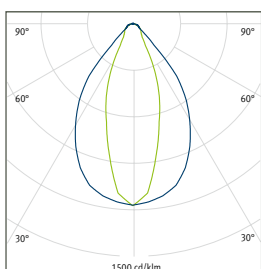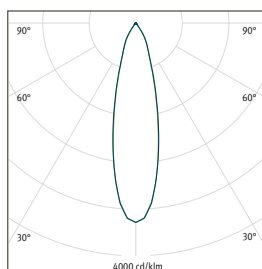
* MB-O, DA-O, WB-O: in a slightly opalescent version for a homogeneus light emission surface

EASY INSTALLATION

→ Toolless and fast insert of the light unit into the trunking thanks to the specially developed Lunux Lighting CLICKFAST-System

→ Easy later change of position if necessary

→ Light units for general lighting, spots, emergency lighting, daylight and motion sensors, light control

FAST ADJUSTMENT

→ Flexibility in the wiring: versions with 5, 7, 9 or 11 cores available, 14 cores available on request

→ Cost optimisation by using application-oriented wiring

→ Large suspension distances up to 4 m for quick installation

→ Bracket for chain, steel cable, direct ceiling mounting or T-profile ceiling for easy installation
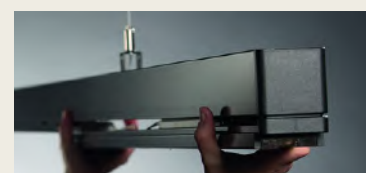
1 Connect trunking segments

3 One-Click mounting of the light units

2 Select electrical phase (L1, L2 or L3) at the unit

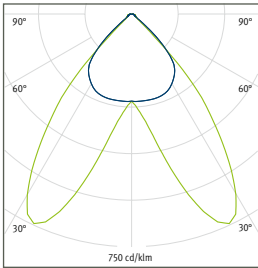**4** If required, all units can easily be moved to other positions

One system, many applications. Q-Rail X LED Light Line system offers the right lighting technology for every environment.

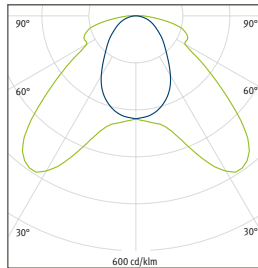**Double Asymmetrical DA 20 / DA-O***

Retail
Shelf lighting

Installation height 3 - 3,5 m
Aisle width ca. 2 m

750 cd/klm

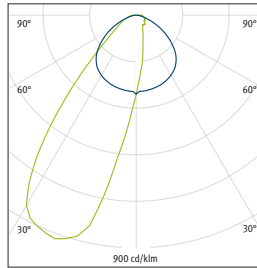**Double Asymmetrical DA 40**

Retail for well-balanced lighting of very high racks

Installation height 3 - 3,5 m
Aisle width ca. 2,5 m
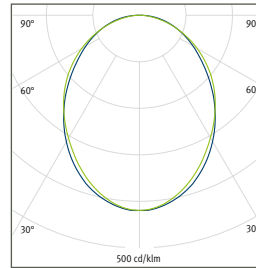

600 cd/klm

Asymmetrical Wall Washer – A20

Wallwasher

Installation height 3 - 3,5 m

900 cd/klm

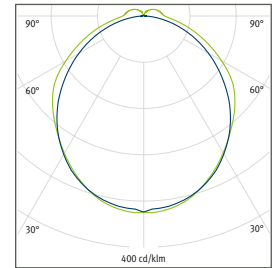**Opal (Wide Beam) O**

Fashion

Installation height 3 - 4 m

500 cd/klm

Opal Direct / Indirect O-DI (9% UP-LIGHT)

Retail and industry with ceiling brightness
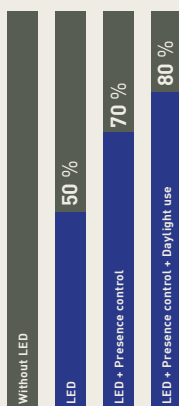
Installation height 3 - 4 m

400 cd/klm

STEINEL-SENSORS WITH Q-RAIL X

→ Extensive sensor range for optimal use of the lighting system

→ Daylight & motion sensors integrated as plug & play solutions in the light lines

→ Communication between master and slave sensors via pre-wired trunking

→ Convenient set up via SteinelApp „Smart Remote"

→ Different detection areas for high shelves, high halls, corridors & low areas

→ DALI, Master/Slave or on/off

STEINEL SMART REMOTE
for the smartphone

Easy cost reduction

Without LED
LED — 50 %
LED + Presence control — 70 %
LED + Presence control + Daylight use — 80 %

IS 3360 Highbay
Round detection area for open halls, up to 14 m installation height

IS 345 MX Highbay
Rectangular detection area for high shelves, up to 14 m installation height
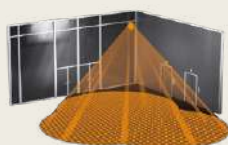
IS 3360
Extremely wide detection range, up to 4 m installation height

IS 345
Low corridors, up to 4 m installation height

Q-Rail X - Darklight

The Power of LED

The unique and high-quality design of the Darklight elevates the already stylish and attractive Q-Rail X trunking system to a higher design-oriented level.

GLARE-FREE UGR <19

DARKLIGHT EFFECT

70.000 H LIFETIME

PROGRAMM-MATRIX

IP40 | 5 Years warranty | 70.000 h L80

Light unit length	1,124 mm (4 FT)					
Luminous flux	3200 lm		4000 lm		5000 lm	
Colour temperature	3000 K	4000 K	3000 K	4000 K	3000 K	4000 K
System power	27.5 W	26 W	35 W	32 W	44 W	42 W
Light unit length	1,686 mm (6 FT)					
Luminous flux	4800 lm		6000 lm		7500 lm	
Colour temperature	3000 K	4000 K	3000 K	4000 K	3000 K	4000 K
System power	40.5 W	38.5 W	52 W	49.5 W	66 W	62.5 W
Light unit length	2,248 mm (8 FT)					
Luminous flux	6400 lm		8000 lm		9500 lm	10000 lm
Colour temperature	3000 K	4000 K	3000 K	4000 K	3000 K	4000 K
System power	54 W	51 W	69.5 W	65.5 W	83.5 W	83.5 W
LED degradation	70,000 h (L 80)					
CRI	Ra › 80 (› 90 on request)					
Optic / Light distribution						
Operating temperature	- 20 ° C to + 45 ° C					
Weight	ca. 3,8 kg/m (including trunking and accessories)					
Additional Options	emergency version with accu pack 3hours, Bluetooth control					
Driver	Standard on/off or DALI, DC-suitable					

Q-Rail X – Professional

Q-Rail X Professional impresses with maximum flexibility and application-oriented solutions for the various areas in retail, industry and logistics, but also for corridors and even offices.

UP TO 180 LM/W

3000 K 4000 K 6500 K

WHITE SILVER BLACK

UP TO 100.000 H LIFETIME

PROGRAMM-MATRIX

IP40 | 5 Years warranty | 100.000 h L80 | 80.000 h L80

Light unit length	1,124 mm (4 FT)				
Luminous flux	3200 lm	4000 lm	6000 lm	8000 lm	
System power*		25.5 W	40 W	53 W	
LED degradation	100,000 h (L 80)				
Light unit length	1,686 mm (6 FT)				
Luminous flux	4800 lm	6000 lm	9000 lm	12000 lm	16000 lm
System power *	29 W	36W	56.5 W	78.5 W	99 W
LED degradation	100,000 h (L 80)			80,000 h (L 80)	100,000 h (L 80)
Light unit length	2,248 mm (8 FT)				
Luminous flux	6400 lm	8000 lm	12000 lm	16000 lm	21000 lm
System power *	37.5 W	49 W	73.5 W	102 W	127 W
LED degradation	100,000 h (L 80)			80,000 h (L 80)	100,000 h (L 80)
Colour temperature	3000 K / 4000 K / 6500 K				
CRI	Ra › 80 (› 90 on request)				
Optic/ Light distribution					
Operating temperature	- 20° C to +45° C				
Weight	ca. 3.2 kg/m (including trunking and accessories)				
Additional Options	emergency version with accu pack 3hours, daylight and presence sensors, Smart Lighting, blind cover (made of metal or plastic), integrated 3-phase power rails, Spots on Q-Rail X				
Driver	Standard on/off or DALI, DC-suitable				

* min. with light color 4000 K

SPOTS
For retail applications

Economical and efficient spotlight (1 or 2 spots per 562mm unit) with
Click-fast-connection to Q-Rail X Trunking and LED-driver concealed in the trunking.

SP-X

→ economical and efficient spotlight

→ narrow- (15°), middle- (24°) and widebeam (42°) light distribution

→ up to 3200 lm and 123 lm / W

SPOTS FOR ALL APPLICATIONS

SP-XWall

→ rectangular-widebeam light distribution for lighting of advertising spaces and walls

→ up to 4500 lm and 113 lm / W

SPOTS ON Q-RAIL X

5 Years warranty

FAMILY	SP-X						SP-XW	
Light unit length	NB		MB		WB		rectangular-widebeam	
Luminous flux	2800 lm	2300 lm	3200 lm	3200 lm	3200 lm	3200 LM	4500 lm	4500 lm
System power	28 W	28 W	26 W	34 W	26 W	28 W	39 W	41 W
Luminous efficacy	100 lm/W	82 lm/W	123 lm/W	94 lm/W	123 lm/W	94 lm/W	115 lm/W	110 lm/W
Colour temperature	4000 K	3000 K	4000 K	3000 K	4000 K	3000 K	4000 K	3000 K
CRI	Ra › 80	Ra › 90	Ra › 80	Ra › 90	Ra › 80	Ra › 90	Ra › 80	Ra › 80
LED degradation	50,000 h (L80)							
Operating temperature	– 20 °C to + 30 °C							
Weight on Q-Rail X	1.6 kg (1 x SP-X) 2.4 kg (2 x SP-X)						1.9 kg (1 x SP-XW) 3.8 kg (2 x SP-XW)	

SMART LIGHTING
Easy, wireless, intelligent

The most robust, cost-effective and future-proof wireless lighting control solution.

−50%
Lower installation costs
Compared to DALI lighting systems

→ Less wiring work since additional control leads e.g. DALI or DMX systems

→ Systems can be extended or changed without the need for wiring

−90%
Lower commissioning costs
Compared to DALI lighting systems

→ Light scenes can easily be changed with free App

→ Commissioning costs are reduced as neither PCs nor programming know-how is required

→ Lighting can be adapted to changing room purposes by Smartphone without a technician

−70%
Lower energy costs
Compared to T5 lighting systems

→ Costs are cut by presence-dependent and timer-controlled light management

→ Energy costs are lowered thanks to highest efficiency LED technology

Technical Possibilities

→ Control of up 64 DALI luminaires with one Casambi module using DALI repeater

→ Up to 127 groups of luminaires can be programmed individually. The number of parallel networks is unlimited and therefore the total quantity of luminaires is unlimited too.

→ Management of groups and light scenes, calendar and timer function

→ Control of luminous colour and dimming

→ Integration of daylight and movement sensors
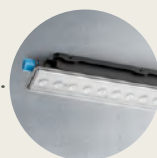
Lighting control via App

LUNUX LIGHTING OFFERS A WIRELESS LIGHTING CONTROL SYSTEM THAT IS EASY AND INTUITIVE TO OPERATE AND CAN BE EASILY CONFIGURED AND ADAPTED VIA A FREE APP.
YOU ACHIEVE MAXIMUM SAVINGS WITH MAXIMUM SAFETY.

SMARTPHONE OR IPAD / TABLET   BLUETOOTH LOW ENERGY 4.0   IOS & ANDROID APPS

Mesh Network

Mesh network and algorithms ensure a balance between the luminaires, control elements and sensors within the network. Here information is passed on from each individual node. Each node also automatically serves as a repeater.

→ Low latency
→ Low power
→ Low cost
→ Good range
→ Robust
→ Auto-configuration

SENSORDATA, SW-UPDATES, CONFIGURATION

X-PRESS SWITCH
WIRELESS & MAGNETIC

SMART CONTROL FROM WALL SWITCHES

PERFECT
FLEXIBILITY

FAST
AMORTISATION

Q-RAIL X FAST FACTS

→ Ideal application flexibility

→ 13 light distributions

→ Combination with spotlights

→ Tooless Exchangeable lighting units

→ Individual customer solutions

→ High lifetime 100,000 h (L80)

→ Extremely high efficiency up to 180 lm/W

POP
LIGHT

The Power of LED