

SMART
LIGHTING
SOLUTIONS



LUNUX LIGHTING INDUSTRY LIGHTING SOLUTIONS

Efficiency up to 180 lm/W

Maximum flexibility

Individual. Specialized. Innovative.



Commune



Industry



Rail

Our light worlds

No conventional light source is brighter and thus more efficient and environmentally friendly than LEDs with the same power consumption. In this respect, everyone agrees.

But even the best light source of our day is of no use if we don't make the best of it: lighting that offers people a sense of well-being, orientation and maximum safety, both indoors and outdoors, orientation and a maximum of safety. And that is exactly we achieve.

Through the use of state-of-the-art LED lighting technology and the production of perfectly adapted and highly efficient luminaires.

**MADE IN
GERMANY**

APPLICATIONS

CITY

An urban environment offers our creative lighting technology ideal scope for design, technology which we are using specifically to make traffic routes, parks and squares brighter, safer and more attractive. In this way we set luminous accents for an economically and ecologically impressive urbanity.



ARCHITECTURE

Modularity facilitates adjustment. This applies to the lighting of modern and historic cities. That is why our lighting solutions requirements, such as our decorative street luminaires and our LED retrofit kits are the means of modern architecture, in order not to lose the charm of the existing townscape and to illuminate everything in new brilliance.



RAILROAD

Due to the highly differentiated requirements of application areas such as level crossings, platforms, track fields, passenger subways, etc., LED railway lighting requires a very variable and versatile range of luminaires. We offer this required modularity and consistently develop it further in order to always be on the right track.



INDUSTRY & LOGISTICS

Working and making a difference, that's how added value works. And this is exactly what we promote. With the professionally planned, perfectly adapted to your needs and intelligently directed light of our long-life luminaires for industrial and logistics halls.



PARKING GARAGES

The atmosphere in underground car parks and multistorey car parks is often perceived as oppressive, and this is due to the often insufficient and dim illumination. With targeted light control and flexible light adaptation, we achieve a solution that illuminates underground car parks and multistorey car parks in a brighter and friendlier way and also meets the high safety requirements. We also offer solutions for parking guidance systems integrated into our lighting.



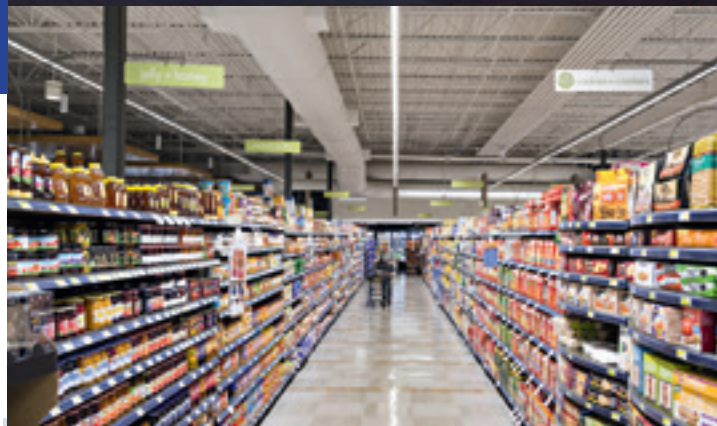
PETROL STATIONS

For the various areas of petrol stations or service stations, we offer the lighting solution individually adapted for you for the entire outdoor and indoor area. In doing so, we always consider the entire project from the parking areas to the tank fields to the shop area.



RETAIL

Retail, like lighting technology, is always changing. With new innovative lighting solutions, we make our contribution to an attractively presented range of goods with a shopping-stimulating atmosphere. We will be happy to support you with our planning expertise and create lighting concepts tailored to your needs.



PUBLIC BUILDINGS

The reputation and image of a municipality depend not least on the condition of its public buildings. With our special luminaire portfolio, we promote on the one hand their representative character, but on the other hand also their closeness to the citizens through attractively designed lighting scenarios.



Lunix Lighting APPLICATIONS

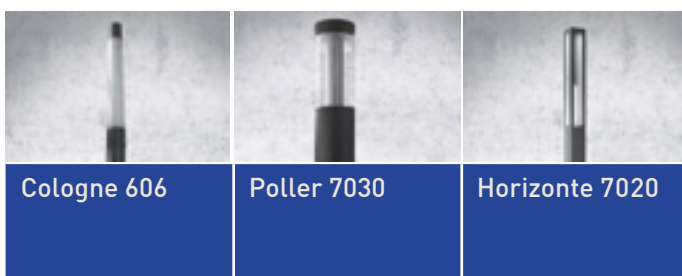
Our urban landscape is very diverse, and that is precisely what makes it so attractive. Use the opportunity now to highlight the unique character of your municipality attractive and appealing and, at the same time, to make pedestrian areas, residential areas, inner-city traffic routes and thoroughfares brighter, friendlier and safer. With our LED luminaires, this can be achieved easily, efficiently and extremely environmentally friendly, also in compliance with the applicable specifications on insect protection issues.

A careful analysis of the requirements situation, conscientious planning and support during implementation is our maxim. Light colour, light spectrum and colour rendering have an influence on and through making streets more sustainable and friendly. When used appropriately, our technologies open up great potential for sustainable action.



LIGHT SOLUTIONS FOR CITY LIGHTING

					
Eco Stateline	Eco Streetline Park	Eco Streetline Twin	Eco Streetline Case	Eco Streetline Square	Cubeline Park
					
Slim	Slim Twin	Helius 120	Helius 121	Tempus 539	Zylinderleuchte C40
					
Eco Cityline	Eco Cityline Shade	Eco Cityline Moon	Zylinderleuchte Z40	Pilzleuchte 401-7	Pilzleuchte 417
					
Jüterbog 1007	500 501 502	Tempus 538	Trapez 143	Trapez 144	Trapez 145





RAILROAD

LIGHT SOLUTIONS FOR RAILROAD







**INDUSTRY
&
LOGISTIC**

LIGHT SOLUTIONS FOR INDUSTRY

					
Box	Q-Rail X	Q-Rail Finish	IL2 Plus	IL UP	IL Forta

		
Office Eco	Neo	Como 170/210

Light source retrofit kits - modern light in a traditional environment

Our high-quality LED redesign kits open up the possibility of converting conventional existing luminaires to LED with little effort.

Not change at any price, but a noticeable improvement of the current lighting situation is what customers want and can unerringly achieve with us. The most important criteria here are optimally matched light, the efficiency of the lighting system and simple operation. In addition, retrofit kits save valuable resources and protect nature. In addition, the use of warm-white light colours with a colour temperature of <math><3000\text{K}</math> can significantly reduce insect attraction.*

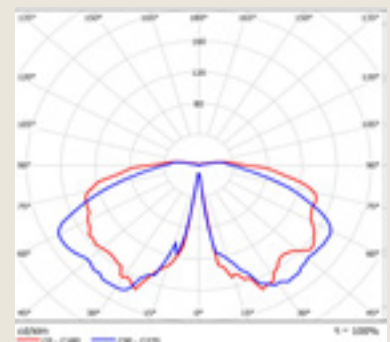
The result: the cityscape is preserved thanks to the simple and cost-effective conversion to state-of-the-art LED technology and is very insect-friendly thanks to the warm-white light colour used with a lower blue light component and is scattered significantly less into the night sky than the light from conventional luminaires thanks to optimised optics.

* Source: <https://www.licht.de/de/lichtthemen/licht-und-umwelt/artenschutz>

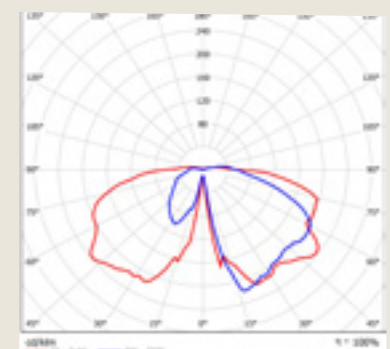
LUMINAIRE-REPLACEMENTS

YOUR BENEFITS

- Update to the latest LED technology
- Preservation of the housing
- Excellent for the refurbishment of decorative and historic luminaires
- Cost-effective changeover
- Long-term sustainable cost savings
- Simple replacement thanks to "luminaire-in-luminaire concept" (CIRCLE module)
- Reduction in electricity costs of up to 75% compared to conventional luminaires
- Optimal illumination of the areas to be illuminated through the use of special light-directing optics



CIRCLE-Module symmetrical



CIRCLE-Module asymmetrical



HELLUX ® ECO LED MODUL



CIRCLE-Module



LED-Retrofit kit



Silicone module

Streetline Park



Streetline Twin



Streetline Square



Tempus 538



Zylinderleuchte C40



Moon



Ellipse 131



Trapez 143



Stateline



Q-Rail X - The trunking system

LUNIX 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 LUNIX 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.

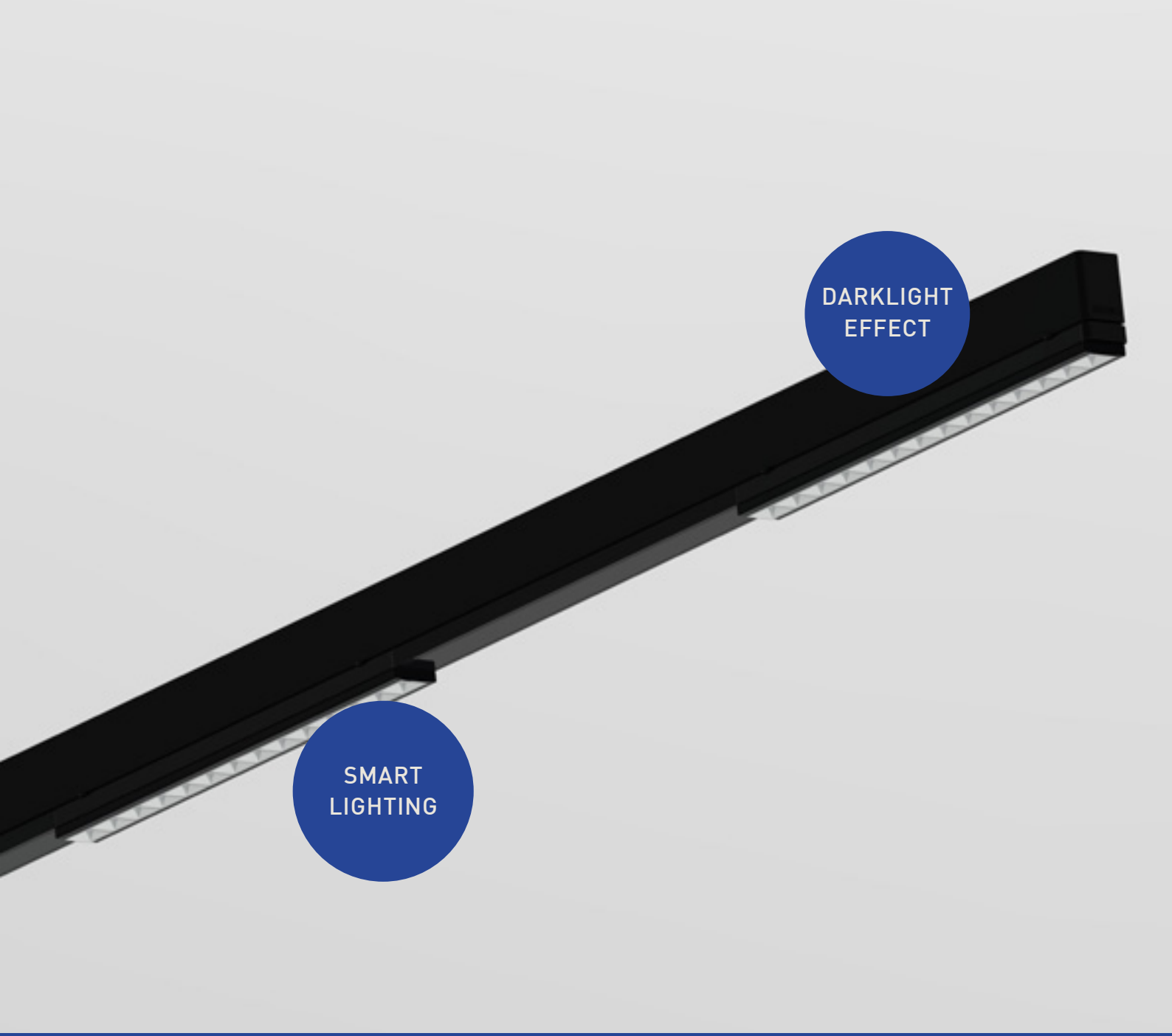
Whether quickly available standard products with cutting-edge LED modules or small quantities with individual assembly in manufactory production we have solutions that set standards in design and economy in addition to their high functional maturity. To achieve this, we rely on a high level of vertical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

LIGHTING SOLUTIONS FOR RETAIL, LOGISTICS AND INDUSTRY



PERFECT
FLEXIBILITY

FAST
AMORTISATION



SMART
LIGHTING

DARKLIGHT
EFFECT

FLEXIBEL

EFFICIENT

RELIABLE



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



13 application optimised optics

Maximum flexibility



Ultra Narrow Beam UNB

Very high and narrow racks

Installation height 10 - 20 m



Narrow Beam NB

High shelves and high halls

Installation height 6 - 12 m



Medium Beam MB / MB-O*

General lighting for medium installation heights

Installation height 5 - 7 m



Wide Beam WB / WB-O*

General lighting for low installation heights

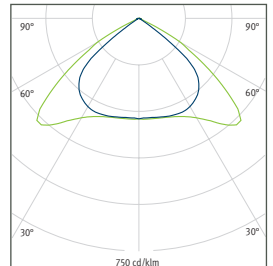
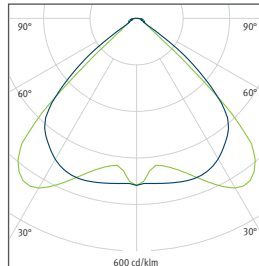
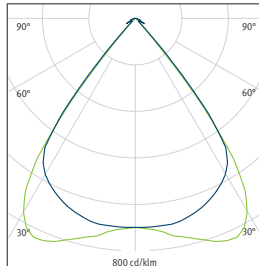
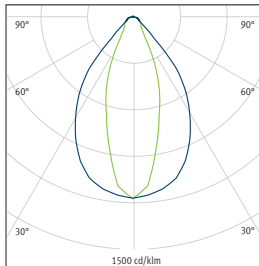
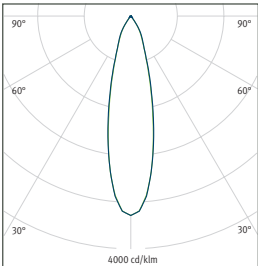
Installation height 3 - 5 m



Ultra Wide Beam UWB

General lighting and wide shelf aisles

Installation height < 3 m



* MB-O, DA-O, WB-O: in a slightly opalescent version for a homogeneous 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



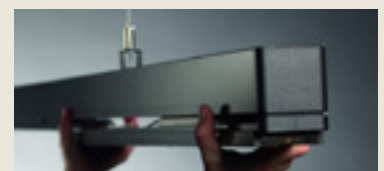
1 Connect trunking segments



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

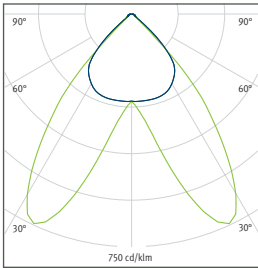
One system, many applications. Q-Rail X LED Light Line system offers the right lighting technology for every environment.



Double Asymmetrical DA 20/DA-O *

Retail Shelf lighting

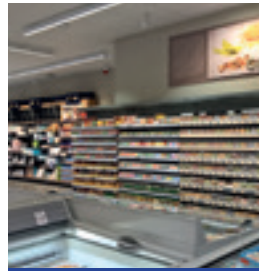
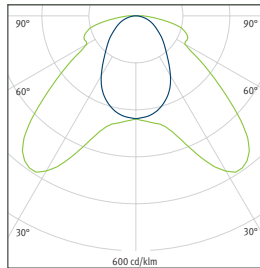
Installation height 3 - 3,5 m
Aisle width ca. 2 m



Double Asymmetrical DA 40

Retail for well-balanced lighting of very high racks

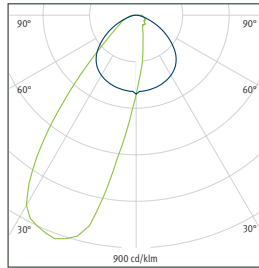
Installation height 3 - 3,5 m
Aisle width ca. 2,5 m



Asymmetrical Wall Washer – A20

Wallwasher

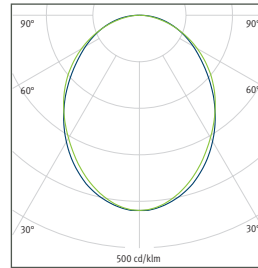
Installation height 3 - 3,5 m



Opal (Wide Beam) O

Fashion

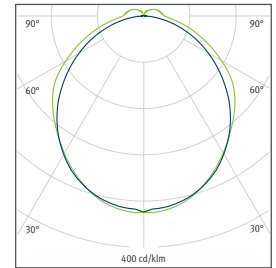
Installation height 3 - 4 m



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

Retail and industry with ceiling brightness

Installation height 3 - 4 m



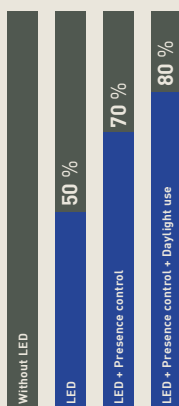
STEINEL-SENSORS WITH Q-RAIL X

- 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



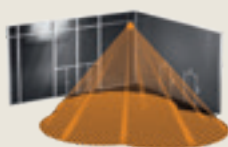
IS 3360 Highbay

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 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 (L80)					
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



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 (L80)				
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 (L80)			80,000 h (L80)	100,000 h (L80)
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 (L80)			80,000 h (L80)	100,000 h (L80)
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



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



FAMILY	SP-X						SP-XW	
	NB		MB		WB		rectangular-widebeam	
Light unit length								
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 (L 80)							
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%

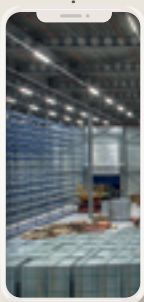
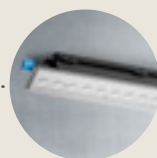
Lower energy costs

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 to 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

LINUX 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

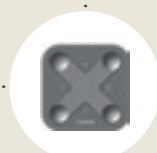
Mesh Network

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
- Toolless Exchangeable lighting units
- Individual customer solutions
- High lifetime 100,000 h (L80)
- Extremely high efficiency up to 180 lm/W

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