InnerLED Industrial Luminaire 48LED 80W

Linear luminaire for rectangular rooms in industrial and professional environments

High-performance, high-quality LED luminaire for indoor use. Made from extruded and anodised aluminium that increases its toughness, it is highly resistant to impact and corrosion, guaranteeing high durability. Thanks to its rectangular shape, InnerLED is ideal for illuminating industrial indoor environments, even under hostile conditions. In addition, this luminaire fits perfectly into the lighting of indoor sports surfaces, such as sports centres, pavilions, tracks or indoor swimming pools, as it complies with the demanding regulations and requirements of these facilities, achieving uniform lighting, improving the visibility of athletes and spectators without shadows or reflections.

The InnerLED structure favours thermal control of the driver and the LED module, making it suitable for intensive use without raising its temperature. Good thermal management combined with the quality of its components maximises the useful life of the luminaire.
Thanks to its high efficiency and durability, InnerLED is an excellent solution for reducing energy consumption and maintenance costs, while offering impeccable lighting, creating more pleasant spaces with greater visual comfort.

Ref.	62350000

Other features

Number of LEDs	48
Lighting control	No dimmable
Power	80.00 W

Packaging info

Box	1 pcs.

Physical data

Net weight	5,300.00 g
Gross volume	48.00 dm³
Gross weight	7,100.00 g
Width	212.00 mm
Height	417.00 mm
Depth	205.00 mm
Main product weight	5,300.00 g

Highlights

- **Durability and resistance:** compact extruded and anodised aluminium structure, corrosion resistant even in the most aggressive environments
- **Quick return on investment:** the high light efficiency provides substantial energy savings of up to 80%
- **Minimizes maintenance costs:** due to its long working life and easy component replacement
- **Perfect thermal management:** heat conduction and convection are favoured by the dissipation curves of the luminaire structure
- **Simple replacement of existing light points:** easy connection and installation without opening the luminaire.
- **LED multi array modules:** selection of corresponding BINs with 3-step McAdam ellipse (SDCM <3) and maximum efficiency
- **Driver certificated ENEC**
- **100% made in Televes:** technology designed and manufactured in our cutting-edge facilities, guaranteeing total control, with demanding quality monitoring, over each of the production phases

Our ranges of luminaires encompass a wide range of powers and number of LEDs, in addition to being customizable in the types of lighting control, colour temperatures, optics and their light distribution, and finishes. **A product can be configured according to these parameters, and ordered by its numerical or logical reference**, as follows:

Selecting the luminaire by the numerical reference:

This is a numerical code made up of 14 digits:

- The first 6 digits represent a code that depends on the Series of the luminaire, the number of LEDs and the power
- The next 8 digits allow you to choose the configurable parameters of the luminaire: lighting control, colour temperature, type of optics and finish

Series		Dimming		Colour Temperature		Optics		Finish	
631703	*Urban Alameda E 24LED 53W*	**00**	*No Dimming*	**18**	*PC Amber*	**02**	*SP*	**02**	*Black*
631713	*Urban Alameda E 24LED 39W*	**01**	*Dimming*	**22**	*2200K*	**11**	*D90*	**xx**	*Custom*
				27	*2700K*	**17**	*T2-C90*		
				30	*3000K*	**18**	*T3-B90*		
				40	*4000K*				

Selecting the luminaire by logical reference:

This is an alphanumeric code composed of an unlimited number of characters, describing the luminaire's characteristics using logical abbreviations, to facilitate its interpretation. It is divided into 2 groups of characters, separated by a hyphen:

- The first group specifies: the luminaire series, the number of LEDs, the colour temperature, and the lighting control
- The second group specifies: the type of optics, the finish and the power

An example of a logical reference: UA2418D-D90BL53

- **UA** – *Urban Alameda*

- **24** – *24 LEDs*
- **18** – *Colour Temperature: PC Amber*
- **D** – *Dimming included*

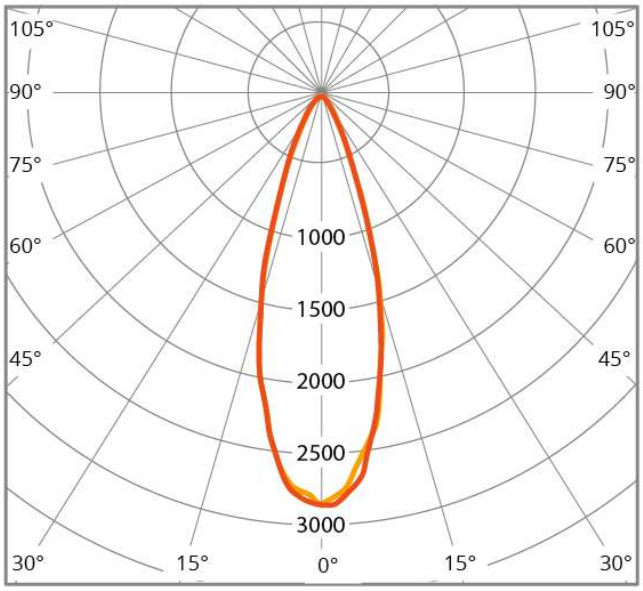
- **D90** – *D90 Optics*
- **BL** – *Black colour*
- **53** – *53W Power*

Range & LED number		Colour Temperature		Dimming		Optics	Finish		Power	
UA24	*Urban Alameda E 24LED*	**18**	*PC Amber*	(ø)	*No Dimming*	**SP**	**BL**	*Black*	**53**	*53W*
		22	*2200K*	**D**	*Dimming*	**D90**	**xx**	*Custom*	**39**	*39W*
		27	*2700K*			**T2-C90**				
		30	*3000K*			**T3-B90**				
		40	*4000K*							

Graphic documentation

Light distribution curve

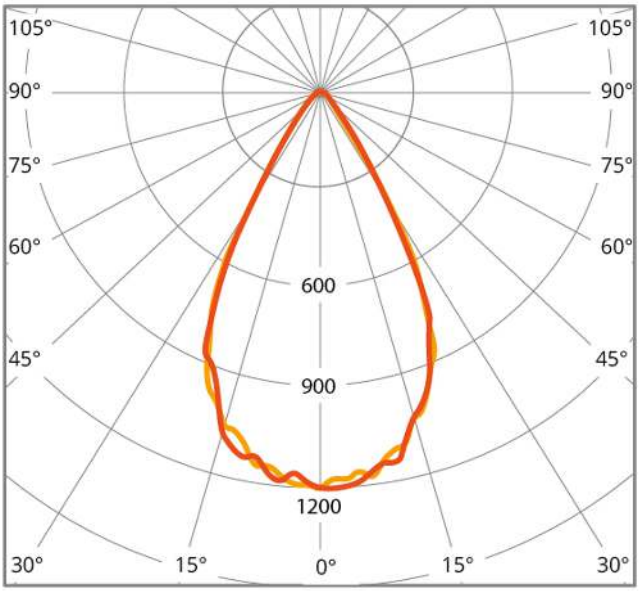
S30



cd/klm C0 - C130 C90 - C270 η = 100%

Light distribution curve

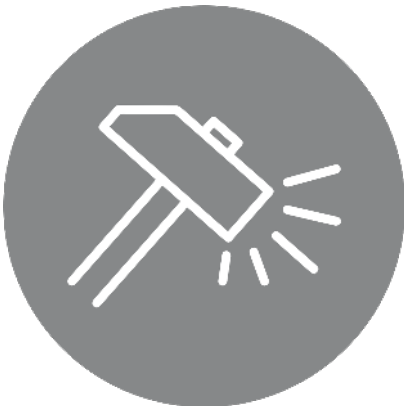
S60



cd/klm C0 - C180 C90 - C270 η = 99%

Light distribution curve

Features



Resistance and durability

The InnerLED luminaire consists of an extruded and anodised aluminium body that increases its hardness, obtaining an IK10 degree of protection against physical impact. The side covers are made of injected lacquered aluminium and all the screws are made of stainless steel, making it highly resistant to corrosion and guaranteeing its durability.

Flawless thermal management

The structure of the InnerLED luminaire consists of an aluminium enclosure with dissipation curves that form part of the chassis itself and favour heat conduction and convection. In addition, the sealed driver and the LED modules are placed in two independent compartments, preventing heat transfer between them.
The thermal protection of the electronics maximises the useful life of the luminaire (L90B10 > 100,000h at 25ºC) and improves its efficiency (up to 155lm/W).

Great return on investment

Thanks to its long service life and easy replacement of components, the use of the InnerLED luminaire minimizes maintenance work. This, combined with the high efficiency of LED technology, results in reduced costs and a quick return on the initial investment.

Suitable for multiple contexts

InnerLED is a versatile professional lighting solution, suitable for all types of spaces:

- Multiple options of colour temperatures: 3,000, 4,000, 5,000 and 5,700ºK
- Up to 3 different photometric distributions can be defined: S30, S60 and S90
- CRI>70 and available on request CRI>0 and CRI>90
- 1-10V regulation models are available, fully compatible with presence detection and lighting control solutions depending on the needs of the installation

And if you don't find what you are looking for, we have even more options available on request. We are pleased to study your project in a tailored, non-binding way. Contact us, and we will help you choose the perfect lighting.

Design and manufacture 100% made in Televés

Our edge facilities include all the means for the creation of this luminaire, from start to finish. This involves everything from electronic and mechanical design, through advanced simulation processes, to the manufacture of the circuits, plates and all the chassis elements, through meticulous construction processes and assembly on robotic lines. A proprietary design and manufacturing process also offers other benefits, such as quality verification at every point of development.

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Technical specifications : Ref. 62350000

Number of leds		48				
Power	W	80				
Pre-programmed dimming		No				
Control interface		ON/OFF				
Optic type options		S30		S60		S90
Lens type		PC lens		PC lens		PC lens
Color temperature options		2200K	2700K	3000K	4000K	PC Amber
Luminous flux	lm	10000	10800	11200	12000	4400
Lighting efficiency	lm/W	125	135	140	150	55
LED current	mA	500	500	500	500	1000
Duration	h	100000				
Working life		L90B10				
Constant ligh output (CLO)		No				
Standard Deviation Colour Matching (SDCM)		< 3				
Color rendering index (CRI)		70				
CE Mark		Yes				
ENEC Certificate		No				
Protection Class IEC		Class I				
EU RoHS Compliant		Yes				
IK Rating (light module)		10				
IK Rating (whole luminaire)		10				
IP Rating (light module)		66				
IP Rating (whole luminaire)		65				
Color		Aluminum				
Material		Aluminium				
Fixation Material		Aluminium				
Mounting method		Suspended				
Surface facing the wind	m^2	0.08				
Number of LED modules		4				
Minimum power factor		0.9500				
Lighting source type		LED				
Replaceable light source		Yes				
Cable		Yes				
Power consumption tolerance	%	5				
Lighting flux tolerance	%	8				
Electric connection		3-pole waterproof connector				
Inrush current	A	60				
Input voltage Max	Vac	240				
Input voltage Min	Vac	220				
Mains frequency		50 Hz				
Total harmonic distortion (THD)		20				
Max. Operating temperature	°F	104				
Min. Operating temperature	°F	-31				