ZAR High-bay lamp 252LED 200W

UFO high-bay for open spaces in industrial and professional environments



LED indoor luminaire constructed in extruded anodized aluminium, specially designed for a perfect thermal management, optimised working life and high efficiency.

The ZAR high-bay is a luminaire with great capacity to illuminate large spaces that require correct lighting. In industrial and professional environments, it is important to have good lighting levels that contribute to work safety, visual comfort and productivity.

Designed to increase energy savings and reduce maintenance costs in industrial and professional environments thanks to its high durability.

Ref.	62101000

Other features	
Number of LEDs	252
Lighting control	No dimmable
Power	200.00 W

Packaging info	
Box	1 pcs.

Physical data	
Net weight	6,800.00 g
Gross volume	36.64 dm^3
Gross weight	7,805.00 g
Width	400.00 mm
Height	400.00 mm
Depth	181.00 mm
Main product weight	6,126.00 g

Highlights

- **Quick return on investment:** the high light efficiency provides substantial energy savings of up to 80%
- **Quality lighting:** great capacity to illuminate open areas, reaching the most demanding levels of light quality (CRI>80)
- **Minimizes maintenance costs:** due to its long working life and easy component replacement

- **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**
- **Great versatility:** providing solutions for all professional environments

Discover

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

Light distribution curve

Light distribution curve

Features



Flawless thermal management

The structure of the ZAR 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 maximizes the useful life of the luminaire, being able to operate continuously, without rest and without raising its temperature.



Convenient installation

The ZAR high-bay is handy and includes a fixing ring, which simplifies installation. Its circular design allows for an effective lighting solution regardless of its orientation.

In addition, it is supplied with a watertight connector (IP68) for an easy, high quality and totally safe electrical connection. At the same time, it prevents dust and water from entering, avoiding problems caused by external elements.



Great return on investment

Thanks to its long service life and easy replacement of components, the use of the ZAR 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.



Professional quality lighting

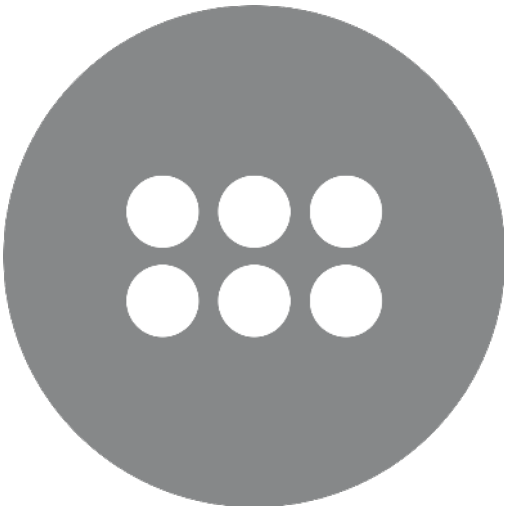
Industrial and professional environments require appropriate lighting conditions, from the intensity of the light emitted and its correct distribution, to lighting uniformity, avoiding shadows, contrasts and flickering.

The ZAR high-bay is a luminaire with a great capacity to illuminate large open spaces, reaching the most demanding levels of lighting quality, with a colour rendering index (CRI) greater than 80.



Electrical safety

An increase in electrical voltage can cause serious problems, from early degradation of the elements to fire or destruction of the equipment. The ZAR luminaire includes an electrical surge protection system (6 kV and 4 kV), which prevents premature deterioration of the luminaire.



Suitable for multiple contexts

The ZAR high-bay is a versatile professional lighting solution, suitable for all types of spaces.

It offers multiple options in terms of power, number of LEDs and colour temperatures (4,000 and 5,000ºK). In addition, up to 3 different photometric distributions can be defined (S60, S90, S120). In this way, the ZAR luminaire adapts to the specific requirements of each situation.

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.

Technical specifications

Ref. 62101000

Number of leds		252	
Power	W	200	
Pre-programmed dimming		No	
Control interface		1-10V	
Optic type options			
Color temperature options		3000K	4000K
Luminous flux	lm	24600	26580
Lighting efficiency	lm/W	123	132.9
LED current	mA	117	117
Duration	h	100000	
Working life		L70B10	
Constant ligh output (CLO)		No	
Standard Deviation Colour Matching (SDCM)		< 3	
Color rendering index (CRI)		80	
CE Mark		Yes	
ENEC Certificate		No	
Protection Class IEC		Class I	
EU RoHS Compliant		Yes	
IK Rating (light module)		8	
IK Rating (whole luminaire)		8	
IP Rating (light module)		66	
IP Rating (whole luminaire)		66	
Color		Black	
Material		Aluminium	
Fixation Material		Aluminium	
Mounting method		Suspended	
Surface facing the wind	m^2	2.77	
Number of LED modules		1	
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	50	
Input voltage	Vac	220 ... 240	
Mains frequency		50 Hz	
Max. Operating temperature	°F	104	
Min. Operating temperature	°F	-31	