DEA WORK

GENERAL CHARACTERISTICS	
Type	Highbay
Applications	Industrial / Commercial
MATERIALS AND FINISHES	
• Top and glass holder in die-cast aluminum with minimum EN 47100 title with low content copper and high resistance to atmospheric agents.	
• Upper cover with smooth finish of highly aesthetic aspect.	
• Coated under the AION process, in silver-colored polyester powders (RAL 7021). This process certifies the luminaire's resistance to UV radiation according to ASTM D4587:2011, to salt spray according to EN ISO 9227:2017 with a minimum exposure time of 3000 hours and to corrosion according to ISO 12944 for class C5HD.	
• Pressure compensation filter in Teflon.	
• Gaskets in anti-aging rubber, removable.	
• Extra-clear tempered safety glass protection screen, 4 mm thick, with light grey-colored aesthetic serigraph (RAL7035).	
MECHANICAL CHARACTERISTICS	
• Opening provides access to optics and cable box in a single, easy step by using the stainless steel screws.	
PROTECTION AGAINST SURGES	
• Up to 10kV in common mode, 6kV in differential mode.	
On request it is possible to reach 10kV also in differential mode with SPD connected between phase and neutral.	
POWER SUPPLY CHARACTERISTICS	
• Power supply unit consisting of a programmable driver with a lifespan greater than 100,000h.	
• Electronic power supply with integrated thermal protection with high efficiency and durability intended for external use.	
• All versions are protected against overloads and surges to protect components and LEDs.	
• Power supply cable through a M20 cable gland IP68.	
• Power correction factor at full load > 0.9.	
• Power supply 220 - 240V / 50 - 60 Hz VAC.	
WISE SOLUTIONS (OPTIONAL)	
• Automatic dimming through virtual midnight system with customized profiles according to specific needs.	
• Astronomical clock: this function the system to be switched on and off according to certain preset time slots.	
• CLO functionality: the driver can be programmed to gradually increase the level of drive current fed to the LEDs in order to compensate the physiological light reduction of the LEDs.	
• 1-10V: digital dimming interface via 1-10V protocol.	
• DALI: digital dimming interface via DALI protocol.	
• Adjustment of the luminous flux through conveyed waves.	
• Main voltage dimming: this function allows the variation of the luminous flux by acting on the variation of the power supply voltage supplied by the control panel of the lighting system.	
• NEMA SOCKET: 7 pins (ANSI C136.41).	
• ZHAGA: highbay certified with Zhaga D4i predisposition (ZHAGA Book 18) in the upper part (UP position), lower (DOWN position) or mixed part (UP+DOWN position) for the connection of presence and/or movement sensors or combined solutions.	

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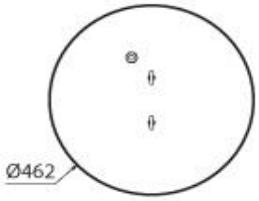
INSTALLATION	
	• Installation with suspension eyebolts for installation with cables or chains.
	• The luminaires should not be installed above sources of heat.
	Installation height: up to 25 m

DIMENSIONS



Max weight*	8,40 kg

* Weight tolerance ± 5%

ACCESSORIES AND SPARE PARTS	
33703	Extra-clear tempered glass, 4mm thick with light grey-colored serigraph (RAL7035).

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OPTICAL SYSTEM CHARACTERISTICS	
• Optic group easily replaceable.	
• LED technology placed on an highly thermical heat-dissipating plate.	
• LED color temperature: 4000K - CRI > 80/70.	
• On request, the luminaires are also available with other colour temperatures.	
• Rotosymmetric optics, available in two opening beams:	
WB OPTIC	for installation heihgts from 4 to 14m.
MB OPTIC	for installation heihgts from 5 to 20 m.
• Glare-Free System rotosymmetric optics, available in two opening beams, WBgc and MBgc, with controlled UGR.	
• Log System elliptical optic available in two opening beams:	
SH1OPTIC	narrow beam optics, ideal for shelving environments.
GENERAL CHARACTERISTICS	wide beam optics, ideal for shelving environments.

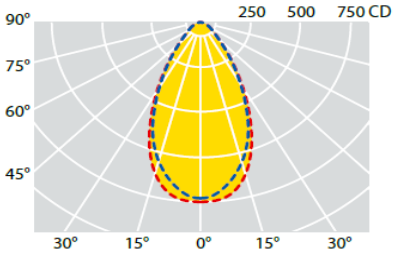
MAINTENED AVERAGE LUMINOUS FLUX ACCORDING TO LM80 - TM21 STANDARDS		
Highbays operating temperature range*		
ta 35°C	-40°C ÷ +40°C	L90B10 >100.000 hrs
ta 55°C	-40°C ÷ +55°C	L90B10 >100.000 hrs

*Maximum operating temperature of the luminaire in normal conditions.
This indication does not exclude temporary operation of the floodlights at the indicated operating temperatures.

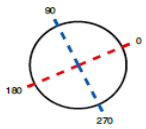
DEA WORK

PHOTOMETRIC DATA

MB

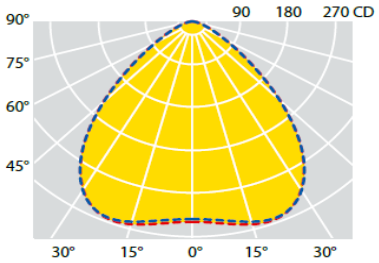


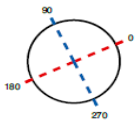
GENERAL CHARACTE



MB
C max = 0°

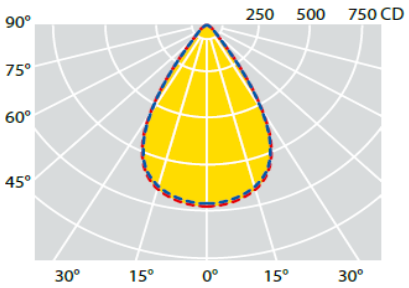
WB

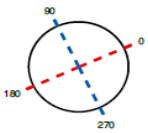




WB
C max = 0°

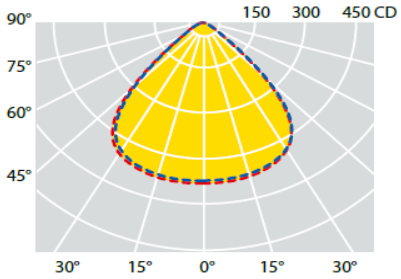
MBgc

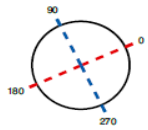




MB_{gc}
C max = 0°

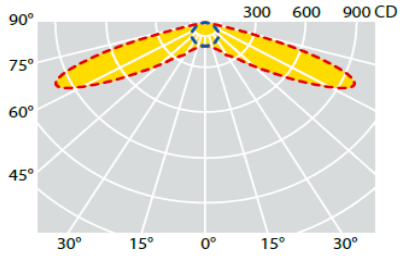
WB_{gc}

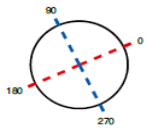




WB_{gc}
C max = 0°

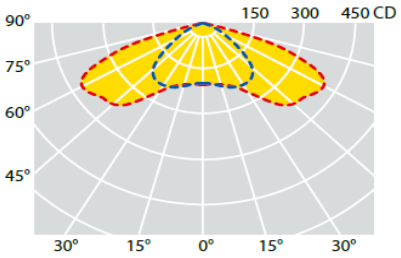
SH1

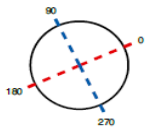




SH1
C max = 0°

SH2





SH2
C max = 0°