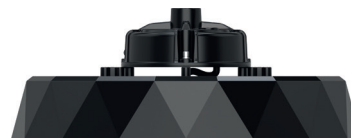


9610001357CW

ASTRAL DIMMABLE UFO LED HIGH BAY LIGHT 100W 5700K 90°

Astral UFO LED industrial high bay light, 100W power and 16500lm luminous flux. Equipped with 160 pcs Lumileds LED chips and dimmable Sosen driver SS-120CNL-130BH, with 6kV surge protection. Symmetrical 90° beam angle and 5700K colour temperature. Protection rating IP65 and mechanical impact resistance rating IK08. Black aluminium body and transparent polycarbonate diffuser.



PRODUCT SPECIFICATIONS

Item code:	9610001357CW
Description:	Industrial high bay LED light
EAN13 code:	8436568448800

ELECTRICAL DATA

Power:	100w
Voltage:	90-305vac
Frequency:	50-60Hz
Power factor:	0,9
Dimmable:	YES
Driver model:	SOSEN serie SS-120CNL-130BH
Dimming system:	0-10v, PWM, Resistor
Driver protection:	OVP, SCP, OPP, OTP
Overvoltage protection:	6kv
Electrical insulation class:	CLASS I
Connection:	L/N+TT

LUMINOUS DATA

Color temperature:	5700K
Luminous efficiency:	165lm/w
Lumens:	16500lm
LED chip brand:	Lumileds
LED chip model:	Luxeon 3030 2d
Number of LED chips:	160pcs
Beam angle:	90°
Luminous distribution:	Symmetrical
Color rendering index:	>80
Color rendering index, minimum:	80

Color rendering index, maximum:	85
Standard desviation of colour matching:	<6
Luminous flux maintenance:	L90B10
Flicker index:	≤1,0
SVM (Stroboscopic Visibility Measure):	≤0,4
Flicker free:	YES

TECHNICAL DATA

Protection rating:	IP65 (dust-tight equipment and protected against water jets)
Impact rating:	IK08 (5J)
Operating temperature:	-20°~50°
Mounting type:	Surface

AVERAGE LIFESPAN

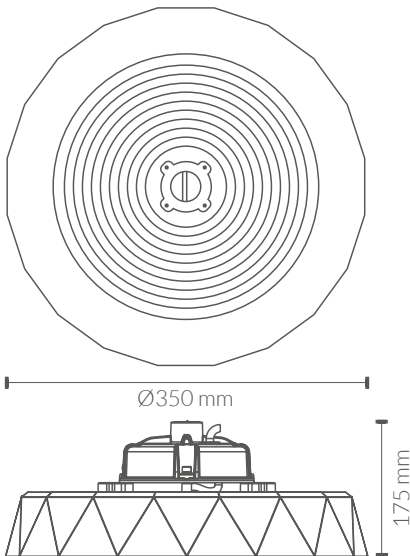
Working hours:	55000 hrs
Switching cycles:	40000 ON/OFF

PHYSICAL DATA

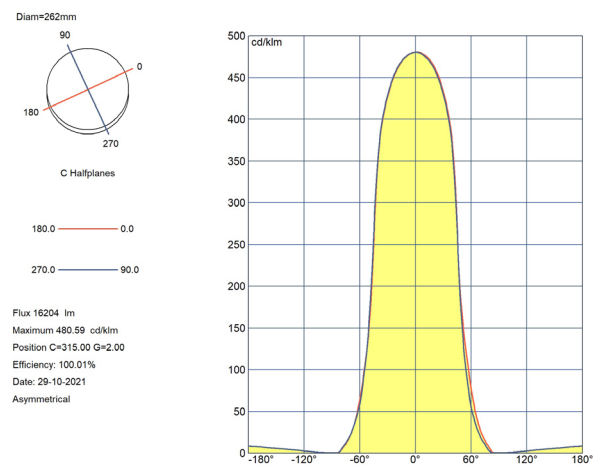
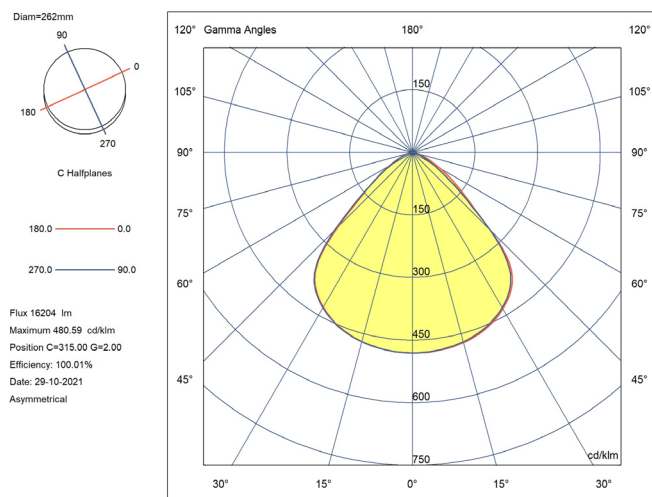
Housing	
Material:	Aluminum
Finish:	Black
Diffuser	
Material:	Polycarbonate
Finish:	Transparent
Weight	
Weight:	2,50 kg

ENERGY EFFICIENCY 2023(UE-2019/2015)	C
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DIMENSIONS



LUMINOUS INTENSITY DISTRIBUTION CURVE



CERTIFICATIONS

CE & ROHS

EMC directive 2014/30/EU ELECTROMAGNETIC COMPATIBILITY

- EN IEC 55015** Limits and methods of measurement of radio-frequency disturbance characteristics of lighting equipment and similar apparatus.
- EN 61547** Lighting equipment for general use. EMC immunity requirements.
- EN IEC 61000-3-2** Electromagnetic compatibility (EMC). Part 3-2: Limits. Limits for harmonic current emissions (equipment with input current ≤ 16 A per phase).
- EN 61000-3-3** Electromagnetic compatibility (EMC). Part 3-3: Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

LVD directive 2014/35/EU LOW VOLTAGE

- EN 60598-1** Luminaires - Part 1: General requirements and tests.
- EN 60598-2-1** Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires.
- EN 62493** Assessment of lighting equipment in relation to human exposure to electromagnetic fields.
- EN IEC 62031** LED modules for general lighting. Safety requirements.

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863

Determination of Certain Substances in Electrotechnical Products.

- IEC 62321-3-1** **IEC 62321-5**
- IEC 62321-4** **IEC 62321-6**
- IEC 62321-7-2** **IEC 62321-8**

