

Code: 390002-00



For the industrial lighting market, Disano has released high-quality luminaires to facilitate the transition to LED lighting. It represents its contribution to the green economy made to improve productivity. Astro Q boasts perfect design in terms of shape and technical requirements making it an outstanding solution for both new and relamping projects. The notable energy savings that can be achieved by replacing an old lighting system with the new Astro Q luminaires allow a quick return on investment with extraordinary advantages, not only economic ones. What's more, the light quality of the latest generation of LED sources multiplies the benefits everywhere it is installed. In the workplace, more light and better colour rendering increase safety and productivity, while technology eliminates flicker and glare, protecting the workers' eyesight. Astro Q is available with various wattages and different optics (narrow, wide, elliptical) and allows perfect control of the light beam to cast light where needed, without dispersion. The concept of Human Centric Lighting, based on perfect light control, is well represented by the new Astro Q product, which can be equipped with sensors that can dim the light flux to increase energy savings and make the amount of artificial light more comfortable in different contexts. The luminaire is designed and manufactured to withstand all environmental conditions (temperature variations, vibrations, etc.) and can also be installed in production or logistics areas characterised by extreme conditions. Astro Q also maintains a long service life thanks to its high-quality materials and surge protection devices.



GENERAL INFORMATION

Article	2910 - Astro Q10 - 50° - UGR<22
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DIMENSIONS AND WEIGHT

Length (mm)	606 mm
Width (mm)	570 mm
Height (mm)	60 mm
Weight (Kg)	10.2 kg

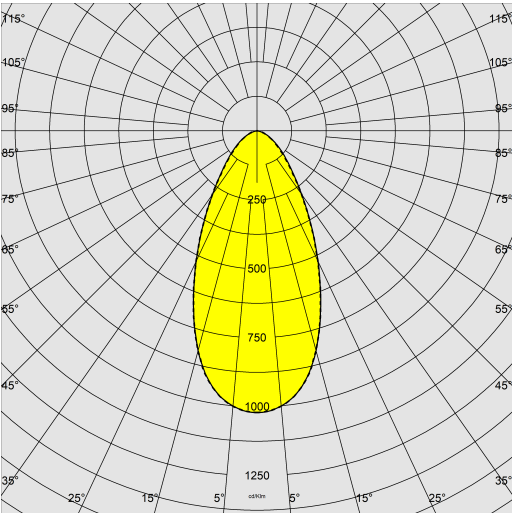
ELECTRICAL CHARACTERISTICS AND CONTROLS

Voltage type	AC
Min Voltage (V)	220 V
Max Voltage (V)	240 V
Min Frequency (Hz)	50 Hz
Max Frequency (Hz)	60 Hz
Frequency (Hz)	50 Hz
Wiring name	CLD
Power factor	≥0.95
Surge protector (common) (EN 61547)	6 kV, 6 kV
Insulation class	Class I
Controllability	None

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PHOTOMETRIC DATA



Lighting source	LED
CRI	80
Luminous flux (output) (lm)	46830 lm
Power absorption (total) (W)	290 W
CCT	4000 K
Luminous efficacy (lm/W)	161 lm/W
Unified glare rating UGR (EN 12464-1) (Reflectance coefficient: ceiling 0.7 - walls 0.5)	UGR<22, according to standard EN 12464.
Low Flicker	luminaire with very low flicker: evenly distributed light for greater visual safety.
Colour consistency	SDCM3
Beam angle	50 °
LED flux maintenance	100000 hr, L 90, B 10

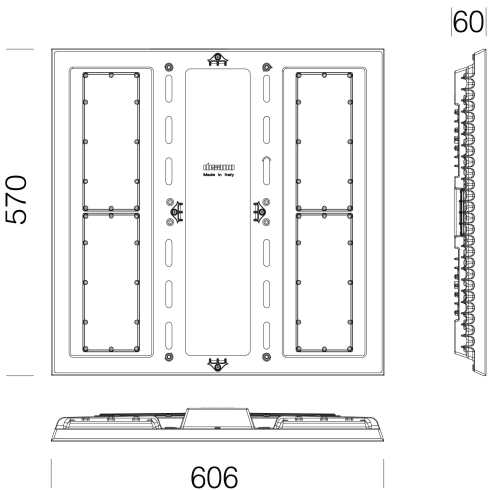
MECHANICAL CHARACTERISTICS

Impact resistance rating (IK)	IK08
IP	66
Ambient temperature - min	-40 °C
Ambient temperature - max	50 °C

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MATERIALS AND COLOURS



Housing	in die-cast aluminium with cooling fins integrated in the cover.
Optics	in polycarbonate, highly resistant to temperature and UV radiation.
Heat sink	the heat sink is designed and made to allow the LEDs to operate at temperatures capable of ensuring excellent performance/output and long service life.
Coating	the fully automated powder-coating cycle involves a polyester-based, salt-spray corrosion-resistant and UV-stabilised paint., Anthracite = RAL 7021
Colour	Anthracite
Equipment	-waterproof connector for quick installation with no need to open the fixture -temperature controller with auto-reset -EN 61547 compliant surge protection. -As standard it comes with a programmable driver that regulates the supply current (to be requested separately from our sales office) to incorporate energy efficiency into any design.
Registered Design DM/100271	

DOWNLOAD

EMERGENCY LIGHTING

MOUNTS
AssemblyInstructions Astro Q.pdf
DESIGNS
BIM 2910 Astro Q10 01 24.zip
TechnicalDrawing astroqpol.dxf



Emergency power supply type	Not present
STANDARDS AND COMPLIANCE	
Photobiological safety class	RG0 Ethr
Markings and tests	CE, ENEC
Reference standards	EN60598-1. With degree of protection according to EN60529. The lighting fixture meets all IFS and BRC requirements, and the regulation of the HACCP Directive regarding lighting systems installed in food processing plants. Version -0050: device designed for power supply with centralized emergency system (AC/DC) in accordance with standard EN 60598-2-22.
Energy Label	C

GEAR

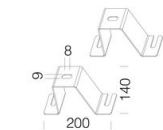
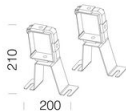
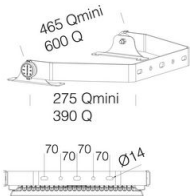
Sensors	
Upon request	-Class II fixtures, protection up to 10KV. -Centralized lighting point control or via external presence/lighting sensors. -Version for spaces with a high concentration of particular volatile chemicals around the luminaires.

WARRANTY

After sales warranty	7 yr
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 Technical drawing of ceiling bracket 39. Dimensions: 8, 9, 200, 140.	39 Ceiling bracket	 Technical drawing of busbar bracket 37. Dimensions: 210, 200.	37 Busbar bracket
 Technical drawing of wall bracket 38. Dimensions: 465 Qmini, 600 Q, 275 Qmini, 390 Q, 70, 70, 70, Ø14.	38 Wall bracket	 Technical drawing of protection grid 36. Dimensions: 470-570, 45, 380-535.	36 Protection grid