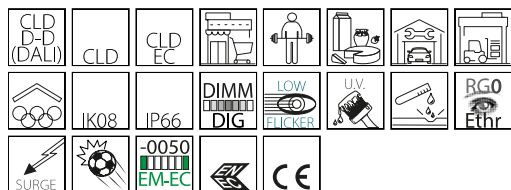


## Code: 390012-00



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.



|         |                                 |
|---------|---------------------------------|
| Article | 2911 - Astro Q11 - 90° - UGR<25 |
| Code    | 390012-00                       |

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

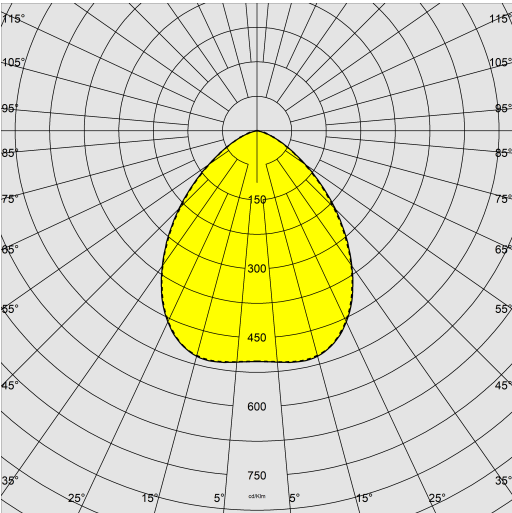
|                                        |            |
|----------------------------------------|------------|
| Voltage type                           | AC         |
| Min Voltage (V)                        | 220 V      |
| Max Voltage (V)                        | 240 V      |
| Min Frequency (Hz)                     | 50 Hz      |
| Max Frequency (Hz)                     | 60 Hz      |
| Frequency (Hz)                         | 50 Hz      |
| Wiring name                            | CLD        |
| Power factor                           | ≥0.95      |
| Surge protector (common)<br>(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)  | 48458 lm                                                                             |
| Power absorption (total) (W) | 290 W                                                                                |
| CCT                          | 4000 K                                                                               |
| Luminous efficacy (lm/W)     | 167 lm/W                                                                             |
| Low Flicker                  | luminaire with very low flicker: evenly distributed light for greater visual safety. |
| Colour consistency           | SDCM3                                                                                |
| Beam angle                   | 90 °                                                                                 |
| LED flux maintenance         | 100000 hr, L 90, B 10                                                                |

MECHANICAL CHARACTERISTICS

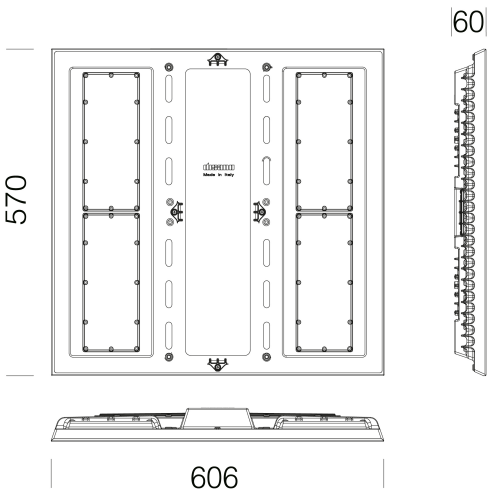
|                               |        |
|-------------------------------|--------|
| Impact resistance rating (IK) | IK08   |
| IP                            | 66     |
| Ambient temperature - min     | -40 °C |
| Ambient temperature - max     | 50 °C  |



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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<br>-temperature controller with auto-reset<br>-EN 61547 compliant surge protection.<br>-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  |  |
| DESIGNS |  |

|                             |             |
|-----------------------------|-------------|
| 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.<br>Version -0050: device designed for power supply with centralized emergency system (AC/DC) in accordance with standard EN 60598-2-22.<br><br>Version with optics in special polycarbonate material, ideal for the food industry with special processing methods (contact the customer service to check compatibility between materials and food products). |
| Energy Label                 | C                                                                                                                                                                                                                                                                                                                                                                                                                       |

GEAR

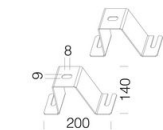
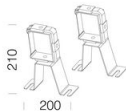
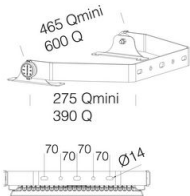
|              |                                                                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------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

WARRANTY

|                      |      |
|----------------------|------|
| After sales warranty | 7 yr |
|----------------------|------|

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|                                                                                                                                                                                                           |                    |                                                                                                                                                                                |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|  <p>Technical drawing of a ceiling bracket (39) showing dimensions: 8, 9, 140, 200.</p>                                   | 39 Ceiling bracket |  <p>Technical drawing of a busbar bracket (37) showing dimensions: 210, 200.</p>              | 37 Busbar bracket  |
|  <p>Technical drawing of a wall bracket (38) showing dimensions: 465 Qmini, 600 Q, 275 Qmini, 390 Q, 70, 70, 70, Ø14.</p> | 38 Wall bracket    |  <p>Technical drawing of a protection grid (36) showing dimensions: 470-570, 45, 380-535.</p> | 36 Protection grid |