

Industrial highbay luminaire from the TROLL family Astrea.

## DESCRIPTION

Industrial highbay luminaire from the TROLL family Astrea setting an advanced and innovative thermal balance system through passive dissipation with stable colour temperature of $4000^{\circ} \mathrm{K}$ (neutral white) optimised to be used as general lighting of warehouses, supermarkets, exhibition pavilions and other indoor industrial areas. Designed for Ceiling suspended installation. Body built in die-cast aluminium and polycarbonate finished in grey. Luminaire is IP65. Luminaire built-in an independent lens system for each led with an angle beam of $60^{\circ}$. Luminaire sets a 100 W LED source with CRI higher than $80 \%$ and a chromatic dispersion lower than 3 SMCD. Fixture has a luminous flux of 11062 Lm , with an efficiency of $110,6 \mathrm{Lm} / \mathrm{W}$ and a total consumption of 100 W . The average life for the luminaire is 50000 h (stabilised at a minimum flux of $70 \%$ from the original). Luminaire built-in an auxiliary gear Dimmable $\mathbf{1 - 1 0} \mathrm{V}$ fed at $\mathbf{2 2 0 - 2 4 0} \mathrm{V}$; $50 / 60 \mathrm{~Hz}$.

| Item code | 11.1607.4841.21 |
| :--- | :--- |
| Product type | IN |
| Category | Industrial |
| Family | Highbays |
| Subfamily | Astrea |
| Materials | Body built in die-cast aluminium and <br> polycarbonate. |
| Optical system | Luminaire built-in a independent lens <br> system for each led. |
| Installation instructions | Luminaire designed for Ceiling suspended <br> installation. |
| Pictograms | E/ |
|  |  |


| Dimensions |  |
| :--- | :--- |
| Product dimensions (mm) | $\boxed{ } \quad$ |
| Net weight (g) | $\mathbf{4 0 0 0} \times 187$ |
| Gross weight $(\mathrm{Kg})$ | 4,7 |


| Scheme |
| :--- |
| Scheme |



| Product | 100 |
| :--- | :--- |
| Real power (W) | 11062 |
| Real luminous flux (Lm) | 110,6 |
| Luminous efficiency (Lm/W) | 60 |
| Beam angle $\left({ }^{\circ}\right)$ | 50000 |
| Life time (h) | 65 |
| IP | 08 |
| IK | Class 1 |
| Electrical class insulation | from $-20{ }^{\circ} \mathrm{C}$ to $40^{\circ} \mathrm{C}$ |
| Operating temperature | $220.240 \mathrm{~V}, 50 / 60 \mathrm{~Hz}$ |
| Electrical feeding | Grey |
| Colour | A+ |
| Energy efficiency class |  |


| Control gear |  |
| :--- | :--- |
| Control gear included | Yes |
| Control gear | $1-10 \mathrm{~V}$ Dimmable Electronic Control Gear |
| Factor de potencia | 0,99 |


| Light source |  |
| :--- | :--- |
| Light source included | Yes |
| Light source | 90 |
| Nominal power (W) | 12500 |
| Nominal luminous flux (Lm) | 50000 |
| Average life time (h) | 4000 |
| Colour temperature (K) | 3 |
| Colour consistency (SDCM) | 80 |

Photometry


