



ELIA HL is an LED highbay designed for indoor industrial, logistics and tertiary applications, where efficiency, high luminous output, precision and resistance are required. Available in 3 power steps (120 W, 150 W and 200 W) with a standard colour temperature of 4,000 K (neutral white) and a colour rendering index of 80, the range allows for great flexibility with its multiple possible combinations: 3 optics options (60°, 90° and 120° beam angles in polycarbonate lenses) and 2 integrated power supply options (On/Off and DALI). The luminaire can be suspension-mounted through the hook attachment integrated into the upper part of the device, and thanks to its black powder-coated die-cast aluminium body with incorporated heatsink, it is tough, durable (IP65 and IK08) and able to withstand harsh environmental conditions (such as ambient temperature variations from -30°C to +50°C).

GENERAL INFORMATION

| | |
|----------------------------------|---------------------------------|
| Context | Industry and logistics lighting |
| Luminaire | High-power LED luminaire |
| Application | Internal |
| Unique digital code (Datamatrix) | Currently not present |

| | |
|-----------------------|------------------------------|
| Colour | Black |
| Type of light source | LED |
| System power | 120 W |
| LED Lifetime | L80B50 (Tq=25°C) > 100.000 h |
| Weight (kg) | 4.4 |
| Warranty | 5 years |
| Stocking temperature | -40° +85° |
| Operating temperature | -30° +50° |

MATERIALS

| | |
|----------------|--------------------|
| Body | Die-cast aluminium |
| Shield type | - |
| Optic | Polycarbonate lens |
| Gasket | - |
| Locking Hook | - |
| External screw | Stainless steel |
| Colour | Powder coating |

STANDARDS AND APPROVALS

| | |
|---|---------------|
| Classification | - |
| Device with reduced surface temperature | - |
| DIN 18032-3 certification | Not available |
| IPEA | - |
| Insulation class | I |
| IP degree | IP65 |
| Mechanical resistance | IK08 |
| Glow Wire Test | 750 °C |

OPTIC AND ILLUMINATING FEATURES

| | |
|------------------------------------|------------------------------------|
| Optic | 90° |
| Unified Glare Rating | - |
| Lumen output (lm) | 18200 |
| Efficacy (lm/W) | 152 |
| Colour temperature | 4000 K |
| Colour Rendering Index | CRI 80 |
| Standard Deviation Colour Matching | SDCM = 5 |
| Photobiological Risk Class | RG0 |
| Standard | EN 60598-1; IEC/TR 62778; EN 62493 |

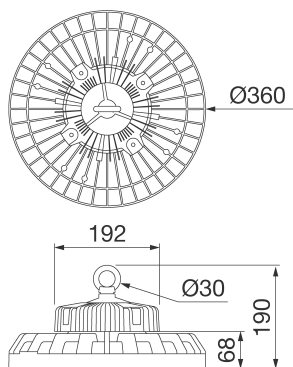
ELETRICAL AND LIGHTING FEATURES

| | |
|------------------------|--------------------------|
| Supply voltage | 220-240 V |
| Rated frequency (Hz) | 50/60 Hz |
| Driver | Built-in |
| Driver failure rate | F10 (Tq=25°C) = 70.000 h |
| Overvoltage protection | DM 4 kV/ CM 4 kV |
| Control System | DALI |

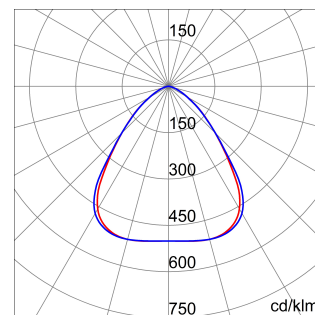
INSTALLATION AND MAINTENANCE

| | |
|-------------------------------------|--|
| Mounting and installation | Hanging |
| Tilt | - |
| Wiring | With power cable |
| Fixing | Via hoist ring at the top of the luminaire |
| Light source replaceability | Non-replaceable |
| Controlgear replaceability | By professional |
| Driver Box | - |
| Maximum surface exposed to the wind | - |

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP

IP65

IK

IK08

GWT

750 °C

STANDARDS/APPROVALS

