Product Data Sheet

GWF1000MM840

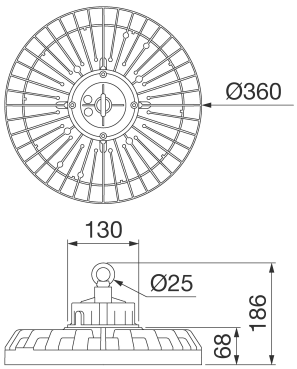
ELIA HL - Highbay LED

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).

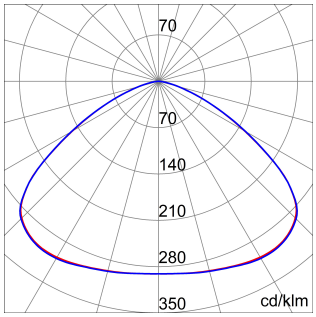
GENERAL INFORMATION	-
Context	Industry and logistics lighting
Luminaire	High-power LED luminaire
Application	Internal
Unique digital code (Datamatrix)	Currently not present
Colour	Black
Type of light source	LED
System power	120 W
LED Lifetime	L80B50 (Tq=25°C) > 100.000 h
Weight (kg)	3.9
Warranty	5 years
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	120°
Unified Glare Rating	-
Lumen output (lm)	18000
Efficacy (lm/W)	150
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	100-240 V
Rated frequency (Hz)	50/60 Hz
Driver	Built-in
Driver failure rate	F10 (Tq=25°C) = 65.000 h
Overvoltage protection	DM 4 kV/ CM 6 kV
Control System	ON / OFF
INSTALLATION AND MAINTENANCE	-
Mounting and installation	Hanging
Tilt	-
Wiring	With power cable
Fixing	Via hoist ring at the top of the luminaire
Light souce replaceability	Non-replaceable
Controlgear replaceability	By professional
Driver Box	-
Maximum surface exposed to the wind	-
	-
	-
	-
	-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY

-	IP	IK	GWT
	IP65	IK08	750 °C

STANDARDS/APPROVALS

Data, measures, designs and pictures are for information purpose only, last update 12/10/2024. They can be changed at any moment, therefore it is always ecommended to read the last updated version published on the website www.gewiss.com.Lumen output and system power are subject to a tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C. Terms of warranty at https://www.gewiss.com/it/en/company/landingpage/led-warranty.