

ELIA HL - Highbay LED



ELIA HL is a suspended LED device designed for lighting production and logistics areas in industrial environments with mid-high ceilings, where high levels of performance and luminous flux are required. Crafted from black powder-coated die-cast aluminium with integrated cooling fins, it is available in two sizes and powers, with integrated power supply in the On/Off or DALI options, three types of optic with polycarbonate lenses (60°, 90° and 120° with a colour temperature of 4,000K (neutral white) and a colour rendering index of more than 80. Tough and durable, ELIA HL has been designed to withstand surges of up to 4kV and temperature variations from -30 °C to + 50 °C, and offers protection from water and dust penetration of up to level IP65 and impacts of up to level IK08. ELIA HL is quick and easy to install thanks to its limited weight and the hook attachment on the upper part of the device.

GENERAL INFORMATION

Context	Industry, Logistic
Luminaire	LED luminaire with high lumen power
Application	Indoor / Outdoor
Unique digital code (Datamatrix)	Currently not present
Colour	Black
Type of light source	LED - Not replaceable
System power	120 W
LED Lifetime	L80B50 (Tq25°) = 115.000h
Weight (kg)	3.9
Warranty	5 years
Stocking temperature	-40° +80°
Operating temperature	-30° +50°

MATERIALS

Body	Die-cast aluminium
Shield type	-
Optic	With high efficiency optic system
Gasket	-
Locking Hook	-
External screw	Stainless steel
Colour	Powder coating

STANDARDS AND APPROVALS

Classification	-
Device with reduced surface temperature	-
DIN 18032-3 certification	-
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)	16100
Efficiency (lm/W)	134
Colour temperature	4000 K
Color Rendering Index	CRI 80
Standard Deviation Colour Matching	SDCM = 5
Photobiological Risk Class	RG0

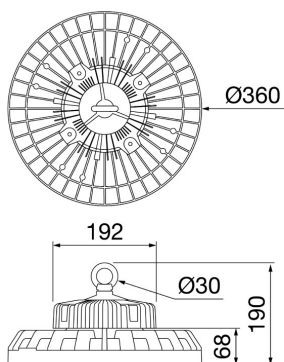
ELETRICAL AND LIGHTING FEATURES

Supply voltage	220-240 V
Rated frequency (Hz)	50 / 60
Driver	Included
Driver failure rate	F05 = 86.000h Tq 25°C
Overvoltage protection	Overvoltage protection 4kV
Control System	DALI

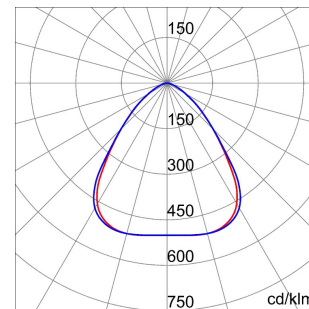
INSTALLATION AND MAINTENANCE

Mouting and installation	Suspension
Tilt	-
Wiring	With power cable
Fixing	-
Optic Maintenance	Not available
LED Maintenance	Not available
Driver Box	Independent driver unit
Maximum surface exposed to the wind	-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP

IP65

IK

IK08

GWT

750 °C

STANDARDS/APPROVALS



Data, measures, designs and pictures are for information purpose only, last update 12/04/2021. They can be changed at any moment, therefore it is always recommended 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>. - 1 of 2



Product Data Sheet
GWF1001ML840

ELIA HL - Highbay LED

