

# PRODUCT DATASHEET

## LED Performance HighBay 90 W 4000 K GEN2

LED PERFORMANCE HIGHBAY | LED high-bay luminaires



### Areas of application

- Industrial and storage facilities
- Production and assembly facilities
- Warehouses
- Loading docks
- Train stations
- Aircraft hangers
- Shopping malls
- Supermarkets

### Product benefits

- Unique heat sink design with air channels to increase system reliability
- Low maintenance and operation costs due to long lifetime of LED
- Single piece lens, color stable and shape-retaining even at high temperatures
- High efficiency and reliability

### Product features

- Luminous efficacy: up to 140 lm/W
- 1...10 V dimming control
- Available with color temperature: 4,000 K, 6,500 K
- Color rendering index  $R_a$ : > 80
- UV-stabilized polycarbonate (PC) housing, PC-diffuser
- Type of protection, plug: IP65
- Black powder-coated, robust die-cast aluminum housing



- Pre-wired with mains cable
- Lifetime up to 50,000 h
- Certificate: CB

TECHNICAL DATA

Electrical data

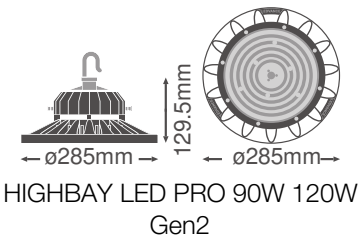
Nominal wattage	90.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Power factor $\lambda$	> 0.90
Protection class	I

Photometrical data

Luminous flux	12150 lm
Luminous efficacy	135 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	80
Standard deviation of color matching	< 5 sdcm
Beam angle	90 °

Dimensions & Weight

Diameter	285.00 mm
Height	129.50 mm
Product weight	2700.00 g
Cable length	500 mm



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum Plastic

Mercury content	0.0 mg
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Application & Mounting

Ambient temperature range	-30...+50 °C
Temperature range at storage	-40...+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting location	Ceiling
Application environment	Outdoor
Replaceable light source	No

Lifespan


Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Number of switching cycles	50000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)


Certificates & Standards

Replaceable light source (EPREL)	Not replaceable
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Accessories Optional

Product image	Product name	EAN
	LED Performance HighBay bracket kit 90/120/150 W	4058075265141

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	LDPFM HB PRO 90W

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075261952	Shipping box 1	335 mm x 335 mm x 185 mm	3413.00 g	20.76 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.