

# PRODUCT DATASHEET

## HB 93 W 6500 K 70DEG IP65

HIGH BAY GEN 3 | High-bay luminaires up to 140 lm/W and attractive UGR



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### Areas of application

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

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### Product benefits

- Improved UGR compared to previous generations, down to  $UGR \leq 22$  in combination with reflector
- High luminous efficacy
- Energy savings of up to 60 % compared to conventional high bay luminaires
- 5 years guarantee
- Optimized weight and size due to compact design

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### Product features

- Different luminous flux and beam angle for mounting heights of ~ 6 m to 14 m in 4000 K or 6500 K



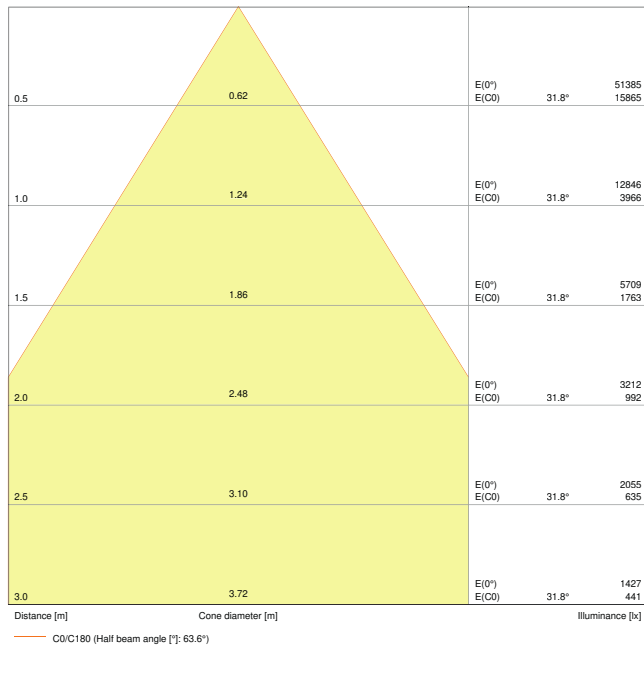
## TECHNICAL DATA

### Electrical data

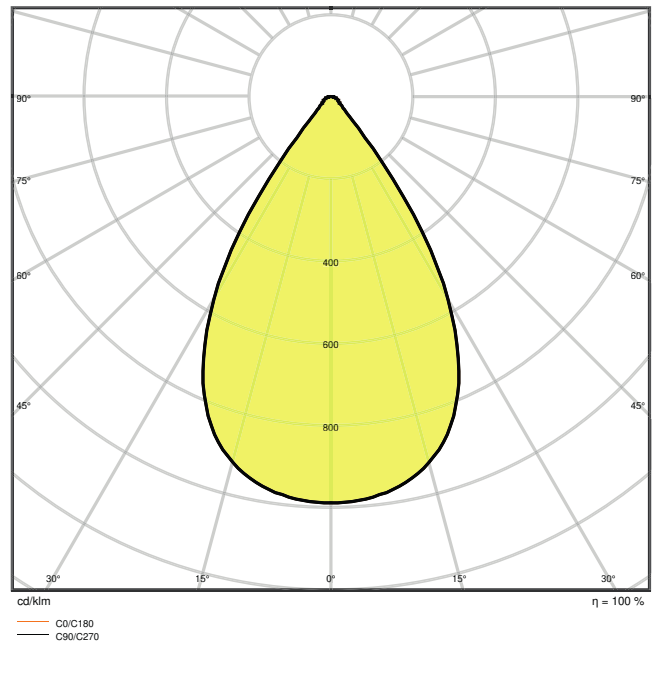
Nominal wattage	93.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	430 mA
Inrush current	44 A
Inrush current time $T_{h50}$	380 $\mu$ s
Max. no. of lum. on circuit break. B16 A	6
Max. no. of lum. on circuit break. C10 A	6
Max. no. of lum. on circuit break. C16 A	8
Power factor $\lambda$	> 0.95
Total harmonic distortion	$\leq$ 20 %
Protection class	I
Operating mode	Mains voltage

### Photometrical data

Luminous flux	13000 lm
Luminous efficacy	140 lm/W
Color temperature	6500 K
Light color (designation)	Cool Daylight
Color rendering index Ra	$\geq$ 80
Standard deviation of color matching	< 5 sdcn
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	70 °



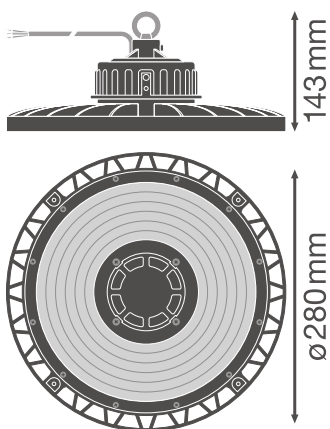
LDC typ cone



LDC typ polar

Dimensions & Weight

Diameter	280.00 mm
Height	143.00 mm
Product weight	1800.00 g
Cable length	1500 mm



## Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

## Application & Mounting

Ambient temperature range	-30...+55 °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 type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	80000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	200000

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

## Control gear

ECG - Output ripple current	≤ 10 %
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## Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	Yes

**EQUIPMENT / ACCESSORIES**

- Mounting hook included
- Mounting brackets, reflectors and refractors available as separate accessory

**DOWNLOAD DATA**

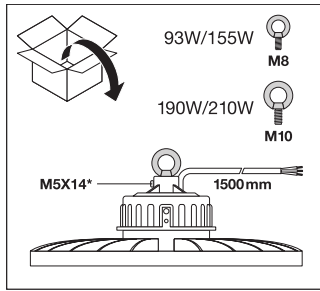
Documents and certificates	
	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	BIM_Revit_3D
	CAD_STEP_3D

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075452541	Shipping box 1	337 mm x 337 mm x 152 mm	2497.00 g	17.26 dm <sup>3</sup>

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.

## ADDITIONAL CATALOG INFORMATION



## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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