

# 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



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## TECHNICAL DATA

### Electrical data

Nominal wattage	93.00 W
Operating mode	Mains voltage
Nominal voltage	220...240 V
Nominal current	430 mA
Inrush current	44 A
Inrush current time $T_{h50}$	380 $\mu$ s
Power factor $\lambda$	> 0,95
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
Total harmonic distortion	$\leq$ 20 %

### Luminaire control gear data

Low flicker	Yes
ECG - Output ripple current	$\leq$ 10 %

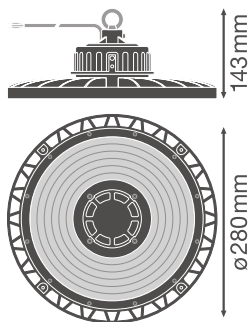
### Photometrical data

Color temperature	6500 K
Luminous flux	13000 lm
Luminous efficacy	140 lm/W
Light color (designation)	Cool Daylight
Standard deviation of color matching	< 5 sdcn
Color rendering index Ra	$\geq$ 80

### Light technical data

Beam angle	70 °
UGR lateral	< 25

### Dimensions & weight



Diameter	280.00 mm
Height	143.00 mm
Mounting diameter	-
Product weight	1800.000 g

**Colors & materials**

Body material	Aluminum
Product color	Black
Housing color	Black
Cover material	Polycarbonate (PC)

**Temperatures & operating conditions**

Ambient temperature range	-30...+55 °C
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**Lifespan**

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

**Additional product data**

Mounting location	Ceiling
Low flicker	Yes
Product remark	Available from September 2020

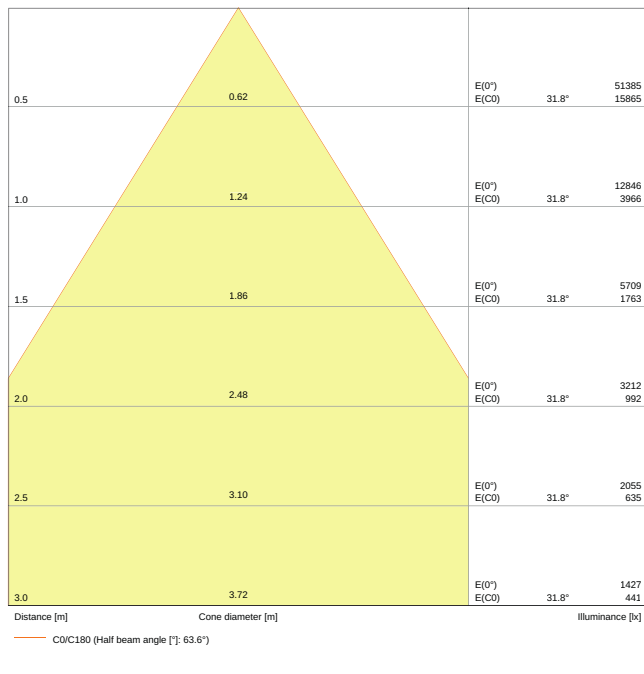
**Capabilities**

Dimmable	No
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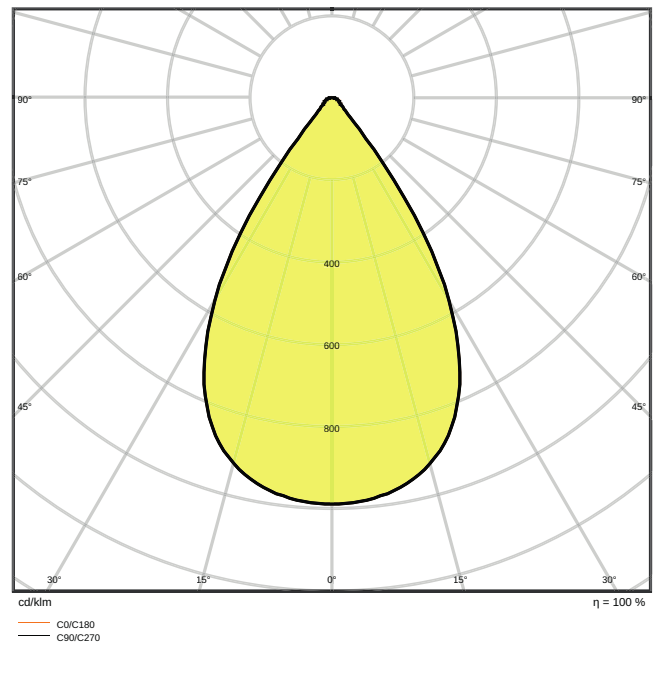
Type of connection	Cable, 3-pole
ErP LEDmod replaceable	Not replaceable

Certificates & standards

Protection class IK (shock resistance)	IK08
Glow Wire Test according to IEC 69	850 °C
Photobio. safety group acc. to EN62471	RG1
Protection class	I
Type of protection	IP65
Standards	CE / CB / ENEC / TÜV SÜD / RoHS / EAC
Luminaire with limited surface temperature, class "D"	Yes



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LOGISTICAL DATA









Temperature range at storage	-40...+70 °C
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EQUIPMENT / ACCESSORIES

- Mounting hook included

– Mounting brackets, reflectors and refractors available as separate accessory

DOWNLOAD DATA

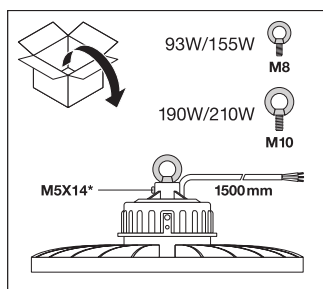
DOWNLOAD DATA	
	User instruction HIGHBAY Gen3
	Tender documents Tender Text 4058075452541
	Declarations of conformity HB
	IES file (IES) HB 93W6500K 70DEG IP65
	LDT file (Eulumdat) HB 93W6500K 70DEG IP65
	R3D file (Relux 3D Model) HB 93W
	M3D file (3D Model) HB 93W
	UGR file (UGR table) HB PFM 93W6500K 70DEG IP65

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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