

# PRODUCT DATASHEET

## HIGH BAY VALUE 100 W 4000 K 100 DEG IP65 BK

HIGH BAY VALUE | High-bay luminaires up to 110 lm/W



### 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)

### Product benefits

- Modern exclusive design
- Energy savings of up to 60 % compared to conventional high bay luminaires
- 3 years guarantee
- Optimized weight and size due to compact design

### Product features

- Operating temperature: -20...50 °C
- Black aluminum housing, tempered glass cover
- Opal cover
- Type of protection: IP65
- Lifetime (L70): up to 50,000 h
- High luminous efficacy: up to 110 lm/W



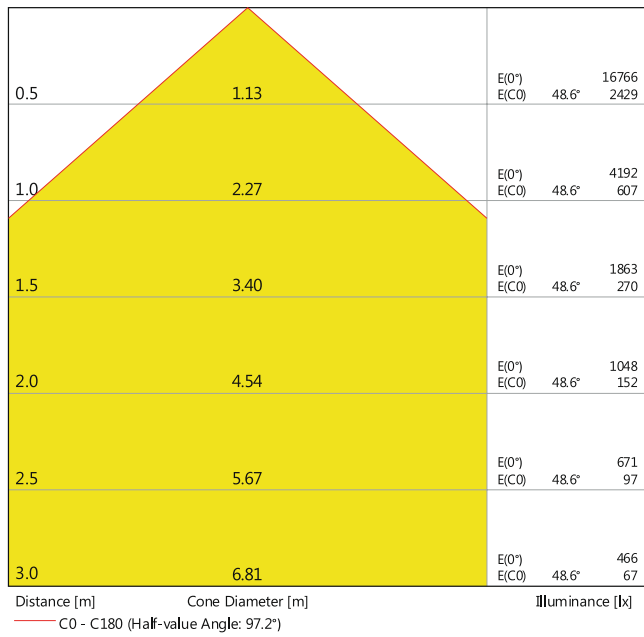
## TECHNICAL DATA

### Electrical data

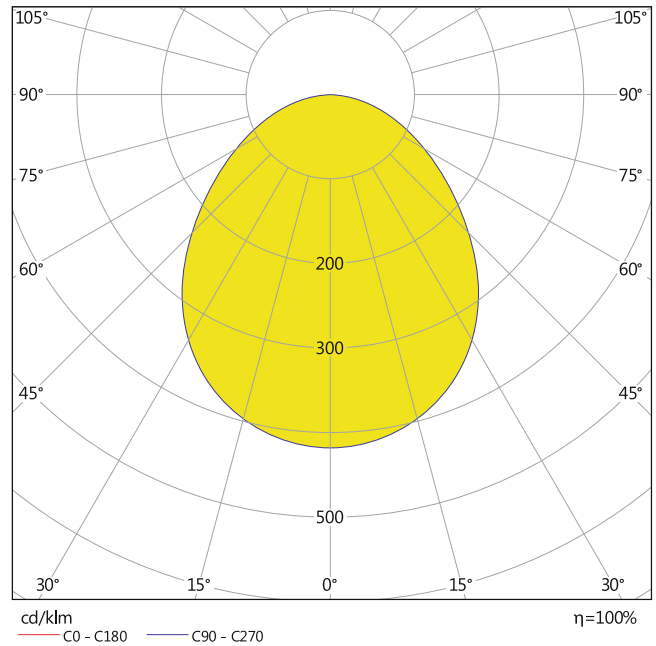
Nominal wattage	100.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	450 mA
Inrush current	7.72 A
Inrush current time $T_{h50}$	3.4 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	28
Max. number of luminaires per miniature circuit breaker C10	17
Max. number of luminaires per miniature circuit breaker C16	28
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

### Photometrical data

Luminous flux	10000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdc <sub>m</sub>
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 °



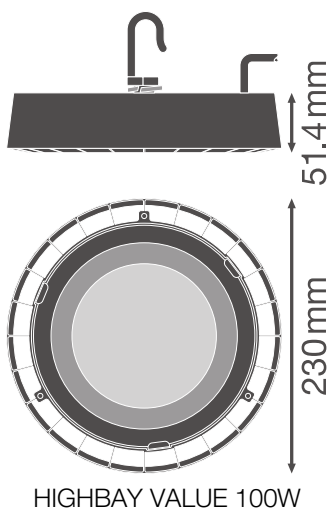
HIGH BAY VALUE 100W



HIGH BAY VALUE 100W

Dimensions & Weight

Diameter	230.00 mm
Height	51.40 mm
Product weight	1338.00 g
Cable length	500 mm



## Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Tempered glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

## Application & Mounting

Ambient temperature range	-20...+50 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	32000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	36000 h
Number of switching cycles	50000

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

## Certificates & Standards

Standards	CE / CB / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable













## Additional product data

BEG eligible	No
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EQUIPMENT / ACCESSORIES

– Bracket available

DOWNLOAD DATA

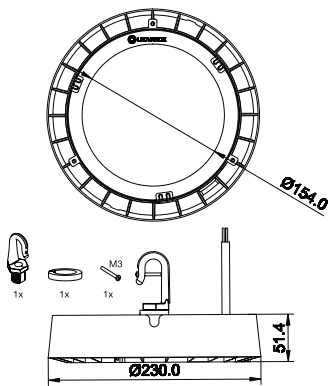
Documents and certificates		Document name
	User Instruction / Safety Instructions	HIGH BAY VALUE USER INSTRUCTION
	Legal information	Legal insert HB VAL AND HB COMP V
	Declarations of conformity	HB VAL
Photometric and lighting design files		Document name
	IES file (IES)	HB VALUE 100W 4000K 100DEG IP65
	LDT file (Eulumdat)	HB VALUE 100W 4000K 100DEG IP65
	ROLF file (RELUX)	HB VAL 100W-4000K 100DEG IP65
	UGR file (UGR table)	HIGH BAY VALUE 100W
	LDC typ cone	HIGH BAY VALUE 100W
	LDC typ polar	HIGH BAY VALUE 100W
CAD/BIM files		Document name
	BIM_Revit_3D	High Bay Value
	CAD_STEP_3D	HB VAL 100W
Tender texts		Document name
	Tender documents	HIGH BAY VALUE 100 W 4000 K 100 DEG IP65 BK-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075408395	Shipping box 1	255 mm x 252 mm x 72 mm	1533.00 g	4.63 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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