

# PRODUCT DATASHEET

## HB COMP V 83W 840 110DEG IP65

HIGH BAY COMPACT | High-bay luminaires up to 120 lm/W



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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

- 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

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### Product features

- Operating temperature: -20...45 °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 120 lm/W

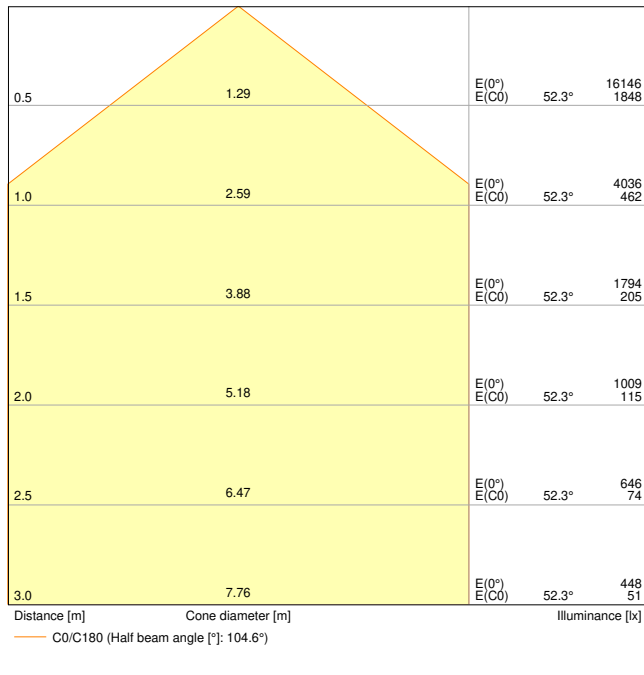
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**TECHNICAL DATA****Electrical data**

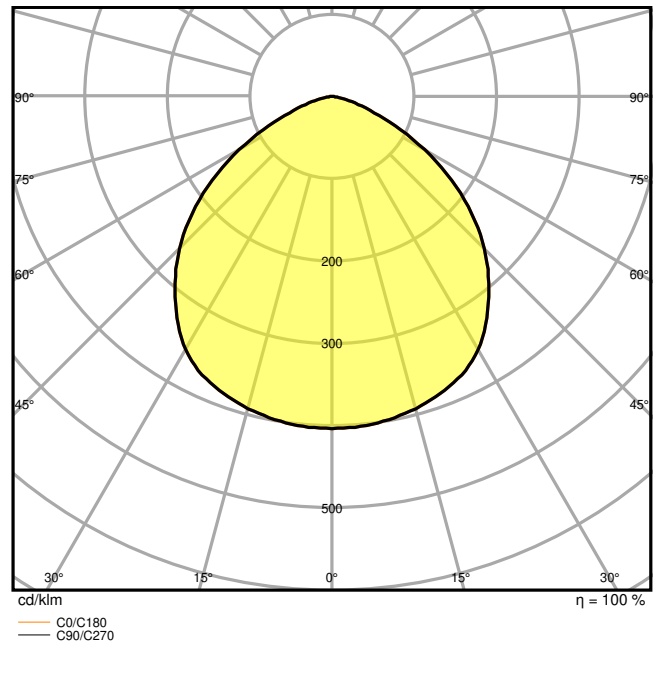
Nominal wattage	83.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	360 mA
Inrush current	9.5 A
Inrush current time $T_{h50}$	16.04 $\mu$ s
Max. no. of lum. on circuit break. B16 A	35
Max. no. of lum. on circuit break. C10 A	22
Max. no. of lum. on circuit break. C16 A	35
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

**Photometrical data**

Luminous flux	10000 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	$\leq$ 5 sdc <sub>m</sub>
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °



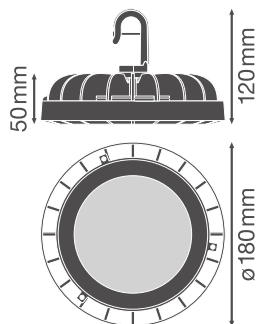
LDC typ cone



LDC typ polar

### Dimensions & Weight

Diameter	180.00 mm
Height	50.00 mm
Product weight	800.00 g
Cable length	500 mm



### Materials & Colors

Product color	Black
Housing color	Black

Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Post top
Mounting location	Ceiling
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	45000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	30000 h
Number of switching cycles	> 100000

<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 / UKCA / CB / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

### EQUIPMENT / ACCESSORIES

- Bracket available
- Reflector available

### DOWNLOAD DATA

Documents and certificates	
	User instruction
	Addon Technical Information

Documents and certificates	
	Packaging insert
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	CAD_STEP_3D
Tender texts	
	Tender documents

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075708174	Shipping box 1	75 mm x 215 mm x 225 mm	1005.00 g	3.63 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**



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### References / Links

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

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### DISCLAIMER

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