

# PRODUCT DATASHEET HB COMP V 83W 840 110DEG IP65

HIGH BAY COMPACT | High-bay luminaires up to 120 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...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

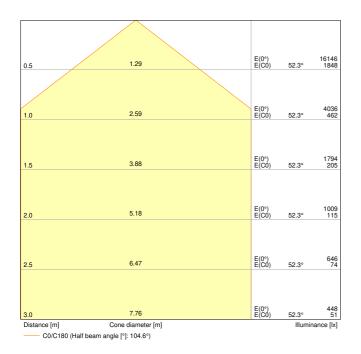
## **TECHNICAL DATA**

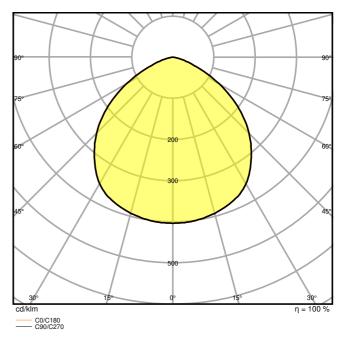
## Electrical data

Nominal wattage	83.00 W	
Nominal voltage	220240 V	
Mains frequency	5060 Hz	
Nominal current	360 mA	
Inrush current	9.5 A	
Inrush current time T <sub>h50</sub>	16.04 μs	
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	T	
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	≤5 sdcm
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °

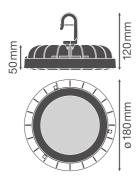




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# **Dimensions & Weight**

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
Lifespan L80/B10 at 25 °C	45000 h
Lifespan L90/B10 at 25 °C	30000 h
Number of switching cycles	> 100000

## **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**

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents

	DOWNLOAD DATA
PDF	Declarations Of Conformity CE
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	ROLF file (RELUX)
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)
PDF	Packaging insert

#### **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



#### References / Links

- For Guarantee see www.ledvance.com/guarantee

## **DISCLAIMER**

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