

PRODUCT DATASHEET

HB COMP V 120W ML 8405065 IP65

HIGH BAY COMPACT GEN 2 | High-bay luminaires up to 165 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
- Optimized weight and size due to compact design
- 5 years guarantee

Product features

- Luminous efficacy: up to 165 lm/W
- Black aluminum housing, tempered opal glass cover
- Multi Lumen: lumen steps selectable
- Multi Color function: 4000 K, 5000 K and 6500 K
- Very long lifetime (L70): up to 100,000 h (at 25 °C)
- Operating temperature: -20...50 °C
- High color consistency: ≤ 5 sdcm
- Type of protection: IP65



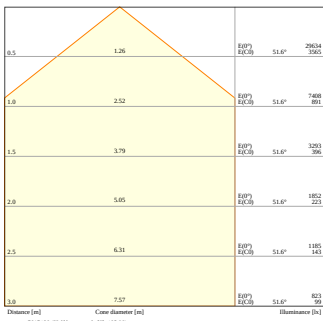
TECHNICAL DATA

Electrical data

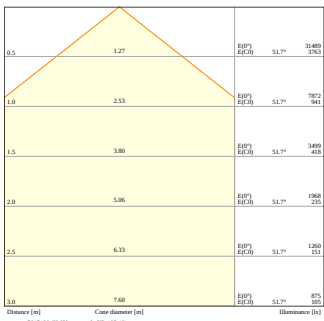
Nominal wattage	120 W / 80 W / 60 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	530.000 mA
Inrush current	19.2 A
Inrush current time T_{h50}	240 μ s
Max. number of luminaires per miniature circuit breaker B16	13
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	16
Power factor λ	> 0.90
Total harmonic distortion	< 15 %
Protection class	I
Surge capability (L-N)	2 kV
Surge capability (L/N-Ground)	4 kV
Operating mode	Integrated LED driver

Photometrical data

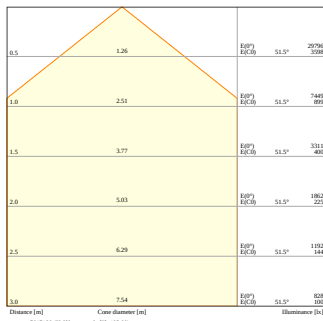
Luminous flux	19200 lm / 18000 lm / 12800 lm / 12000 lm / 9900 lm / 9000 lm
Luminous efficacy	165 lm/W / 160 lm/W / 150 lm/W
Color temperature	4000 K / 5000 K / 6500 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Cool White / Daylight / Cool Daylight
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 5 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<0.5
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	110 °



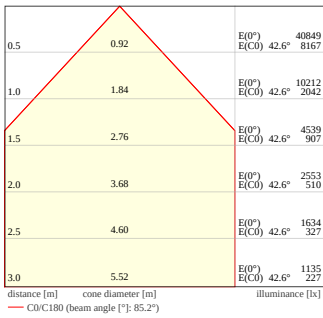
HB COMP V 120W ML 840
IP65



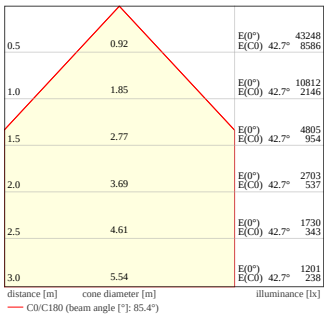
HB COMP V 120W ML 850
IP65



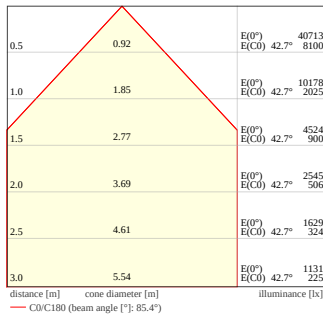
HB COMP V 120W ML 865
IP65



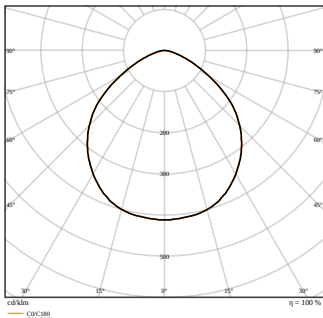
HB COMP V 120W ML 840
IP65 with reflector



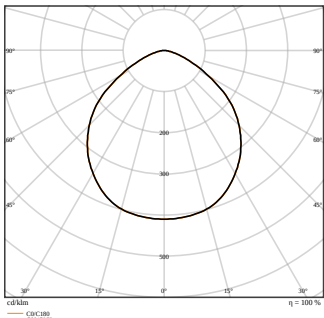
HB COMP V 120W ML 850
IP65 with reflector



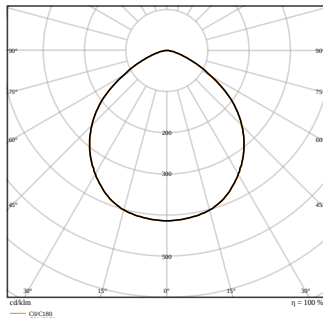
HB COMP V 120W ML 865
IP65 with reflector



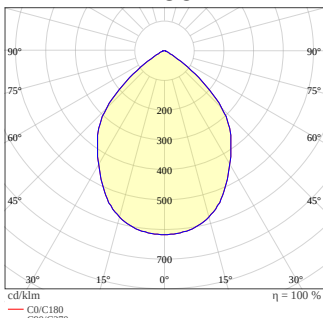
HB COMP V 120W ML 840
IP65



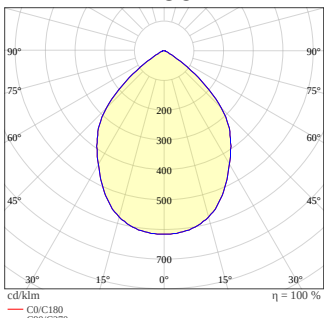
HB COMP V 120W ML 850
IP65



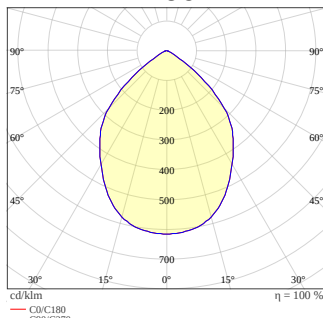
HB COMP V 120W ML 865
IP65



HB COMP V 120W ML 840
IP65 with reflector



HB COMP V 120W ML 850
IP65 with reflector



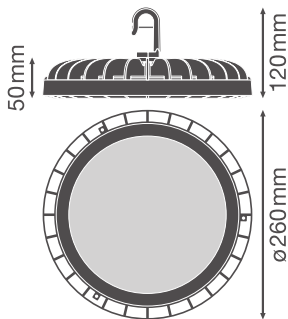
HB COMP V 120W ML 865
IP65 with reflector

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
120 W	4000 K	18000 lm	150 lm/W
120 W	5000 K	19200 lm	160 lm/W
120 W	6500 K	18000 lm	150 lm/W
80 W	4000 K	12000 lm	150 lm/W
80 W	5000 K	12800 lm	160 lm/W
80 W	6500 K	12000 lm	150 lm/W
60 W	4000 K	9000 lm	150 lm/W
60 W	5000 K	9900 lm	165 lm/W
60 W	6500 K	9000 lm	150 lm/W

Dimensions & Weight

Diameter	260.00 mm
Height	50.00 mm
Product weight	1600.00 g
Cable length	500 mm



HB COMP V 120W ML
8405065 IP65

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9017
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	850 °C

Mercury content	0.0 mg
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Application & Mounting

Ambient temperature range	-20...+50 °C
Temperature range at storage	-40...+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP65/IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling / Wall
Application environment	Indoor
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	110000 h ¹⁾
Lifespan L80/B10 at 25 °C	70000 h ¹⁾
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	50000 h ¹⁾
Number of switching cycles	100000

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

Control gear

Output current	535 / 361 / 278 mA
Output ripple current (100 Hz)	< 10 %

Emergency lighting

Type of emergency operation test	None
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Certificates & Standards

Standards	CE / UKCA / EAC / CB / ENEC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00074-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI LUMEN / MULTI COLOR
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Accessories Optional

Product image	Product name	EAN
	HB COMP REFLECTOR 120W 2PCS	4099854743894
	HB COMP BRACKET 120W	4099854743849

EQUIPMENT / ACCESSORIES

- Bracket available
- Reflector available

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Terminal block not included. Installation must be made by a qualified person.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

	Documents and certificates	Document name
	User instruction / safety instructions	G11260281 HIGHBAY COMPACT IP65
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	HB COMP
	Legal information	HB COMP
	Legal information	G11258067 Light Source Insert
	Declarations of conformity	HIGHBAY COMPACT

Documents and certificates		Document name
	Declarations of conformity UKCA	HIGHBAY COMPACT
	Certificates	ENEC HB COMP V IP65
	EPD	EPD_EN_HIGH BAY COMPACT GEN 2
	EPD	EPD_FR_HIGH BAY COMPACT GEN 2
Photometric and lighting design files		Document name
	IES file (IES)	HB COMP V 120W ML 840 IP65
	IES file (IES)	HB COMP V 120W ML 850 IP65
	IES file (IES)	HB COMP V 120W ML 865 IP65
	IES file (IES)	HB COMP V 120W ML 840 IP65 with reflector
	IES file (IES)	HB COMP V 120W ML 850 IP65 with reflector
	IES file (IES)	HB COMP V 120W ML 865 IP65 with reflector
	LDT file (Eulumdat)	HB COMP V 120W ML 840 IP65
	LDT file (Eulumdat)	HB COMP V 120W ML 850 IP65
	LDT file (Eulumdat)	HB COMP V 120W ML 865 IP65
	LDT file (Eulumdat)	HB COMP V 120W ML 840 IP65 with reflector
	LDT file (Eulumdat)	HB COMP V 120W ML 850 IP65 with reflector
	LDT file (Eulumdat)	HB COMP V 120W ML 865 IP65 with reflector
	ULD file (DIALux)	HB COMP V 120W ML 8405065 IP65
	ROLF file (RELUX)	HB COMP V 120W ML 8405065 IP65

Photometric and lighting design files		Document name
	UGR file (UGR table)	HB COMP V 120W ML 840 IP65
	UGR file (UGR table)	HB COMP V 120W ML 850 IP65
	UGR file (UGR table)	HB COMP V 120W ML 865 IP65
	UGR file (UGR table)	HB COMP V 120W ML 840 IP65 with reflector
	UGR file (UGR table)	HB COMP V 120W ML 850 IP65 with reflector
	UGR file (UGR table)	HB COMP V 120W ML 865 IP65 with reflector
	Light distribution curve type cone	HB COMP V 120W ML 840 IP65
	Light distribution curve type cone	HB COMP V 120W ML 850 IP65
	Light distribution curve type cone	HB COMP V 120W ML 865 IP65
	Light distribution curve type cone	HB COMP V 120W ML 840 IP65 with reflector
	Light distribution curve type cone	HB COMP V 120W ML 850 IP65 with reflector
	Light distribution curve type cone	HB COMP V 120W ML 865 IP65 with reflector
	Light distribution curve type polar	HB COMP V 120W ML 840 IP65
	Light distribution curve type polar	HB COMP V 120W ML 850 IP65
	Light distribution curve type polar	HB COMP V 120W ML 865 IP65
	Light distribution curve type polar	HB COMP V 120W ML 840 IP65 with reflector
	Light distribution curve type polar	HB COMP V 120W ML 850 IP65 with reflector
	Light distribution curve type polar	HB COMP V 120W ML 865 IP65 with reflector

CAD/BIM files		Document name
	BIM Revit 3D	HB COMP G2
	CAD STEP 3D	HB COMP G2 120W

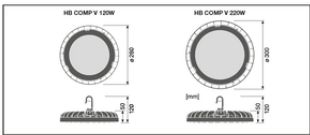
Tender texts		Document name
	Tender documents	HIGH BAY COMPACT GEN 2 V 120W ML 8405065 IP65-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854743825	Shipping box 1	300 mm x 299 mm x 82 mm	1905.00 g	7.36 dm ³

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

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