PRODUCT DATASHEET
HB COMP V 220W ML 8405065 IP65

HIGH BAY COMPACT GEN 2 | High-bay luminaires up to 165 lm/W



MULTI LUMEN

MULTI COLOUR

VALUE CLASS

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

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TECHNICAL DATA

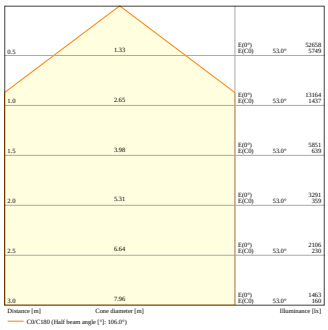
Electrical data

Nominal wattage	220 W / 180 W / 150 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	960.000 mA
Inrush current	25.6 A
Inrush current time T_{h50}	399 µs
Max. number of luminaires per miniature circuit breaker B16	9
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	12
Power factor λ	> 0.90
Maximum 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

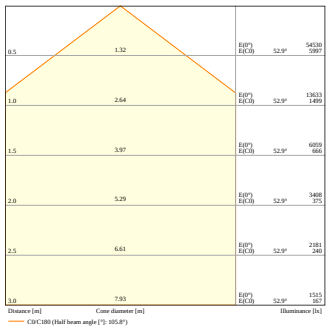
Photometrical data

Luminous flux	34100 lm / 33000 lm / 28260 lm / 27000 lm / 24000 lm / 22500 lm
Luminous efficacy	160 lm/W / 157 lm/W / 155 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 sdcm
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 °

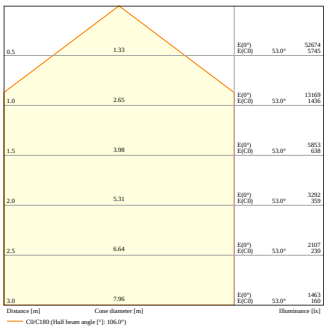
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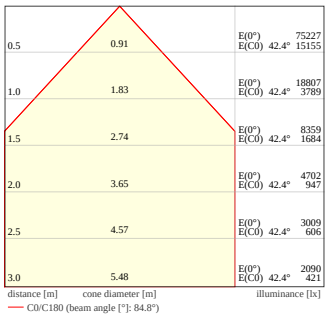
HB COMP V 220W ML 840 IP65



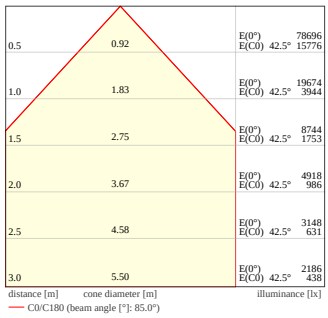
HB COMP V 220W ML 850 IP65



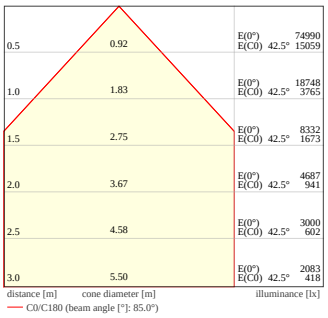
HB COMP V 220W ML 865 IP65



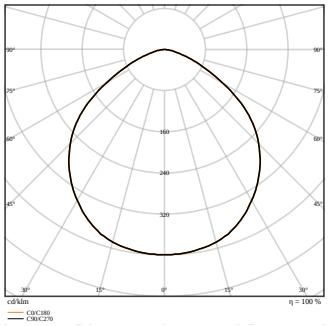
HB COMP V 220W ML 840 IP65 with reflector



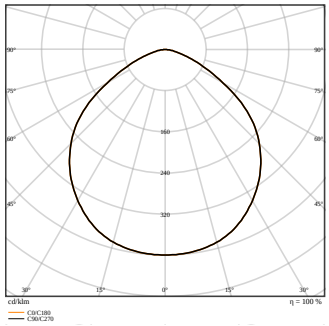
HB COMP V 220W ML 850 IP65 with reflector



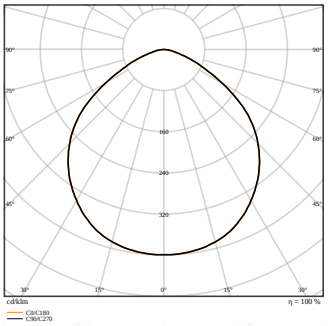
HB COMP V 220W ML 865 IP65 with reflector



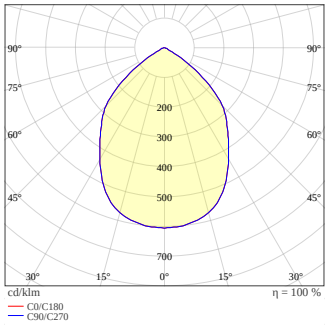
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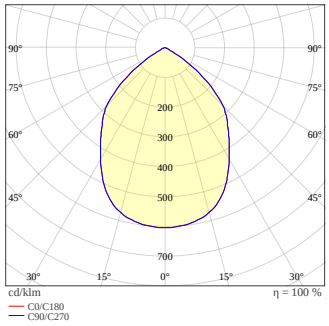
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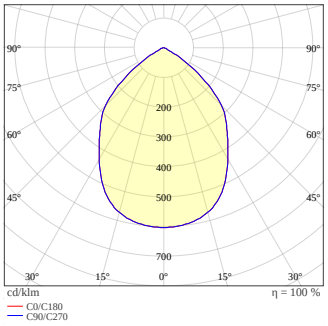
HB COMP V 220W ML 865 IP65



HB COMP V 220W ML 840 IP65 with reflector



HB COMP V 220W ML 850 IP65 with reflector



HB COMP V 220W ML 865 IP65 with reflector

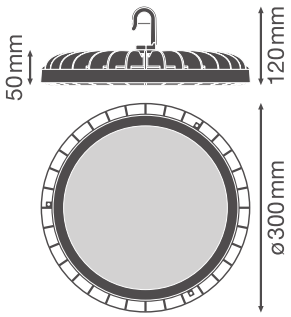
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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
220 W	4000 K	33000 lm	150 lm/W
220 W	5000 K	34100 lm	155 lm/W
220 W	6500 K	33000 lm	150 lm/W
180 W	4000 K	27000 lm	150 lm/W
180 W	5000 K	28260 lm	157 lm/W
180 W	6500 K	27000 lm	150 lm/W
150 W	4000 K	22500 lm	150 lm/W
150 W	5000 K	24000 lm	160 lm/W
150 W	6500 K	22500 lm	150 lm/W

Dimensions & Weight

Diameter	300.00 mm
Height	50.00 mm
Product weight	2300.00 g
Cable length	500 mm



HB COMP V 220W 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

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Mercury content	0.0 mg

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	965 / 800 / 682 mA
Output ripple current (100 Hz)	< 10 %

Emergency lighting

Type of emergency operation test	None

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

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Additional product data

Added function	MULTI LUMEN / MULTI COLOR

Accessories Optional

Product image	Product name	EAN
	HB COMP REFLECTOR 220W 2PCS	4099854743900
	HB COMP BRACKET 220W	4099854743863

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

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	Documents and certificates	Document name
PDF	Declarations of conformity UKCA	HIGHBAY COMPACT
PDF	Certificates	ENEC HB COMP V IP65
PDF	EPD	EPD_EN_HIGH BAY COMPACT GEN 2
PDF	EPD	EPD_FR_HIGH BAY COMPACT GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	HB COMP V 220W ML 840 IP65
IES	IES file (IES)	HB COMP V 220W ML 850 IP65
IES	IES file (IES)	HB COMP V 220W ML 865 IP65
IES	IES file (IES)	HB COMP V 220W ML 840 IP65 with reflector
IES	IES file (IES)	HB COMP V 220W ML 850 IP65 with reflector
IES	IES file (IES)	HB COMP V 220W ML 865 IP65 with reflector
LDT	LDT file (Eulumdat)	HB COMP V 220W ML 840 IP65
LDT	LDT file (Eulumdat)	HB COMP V 220W ML 850 IP65
LDT	LDT file (Eulumdat)	HB COMP V 220W ML 865 IP65
LDT	LDT file (Eulumdat)	HB COMP V 220W ML 840 IP65 with reflector
LDT	LDT file (Eulumdat)	HB COMP V 220W ML 850 IP65 with reflector
LDT	LDT file (Eulumdat)	HB COMP V 220W ML 865 IP65 with reflector
ULD	ULD file (DIALux)	HB COMP V 220W ML 8405065 IP65
ROLF	ROLF file (RELUX)	HB COMP V 220W ML 8405065 IP65

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	HB COMP V 220W ML 840 IP65
	UGR file (UGR table)	HB COMP V 220W ML 850 IP65
	UGR file (UGR table)	HB COMP V 220W ML 865 IP65
	UGR file (UGR table)	HB COMP V 220W ML 840 IP65 with reflector
	UGR file (UGR table)	HB COMP V 220W ML 850 IP65 with reflector
	UGR file (UGR table)	HB COMP V 220W ML 865 IP65 with reflector
	Light distribution curve type cone	HB COMP V 220W ML 840 IP65
	Light distribution curve type cone	HB COMP V 220W ML 850 IP65
	Light distribution curve type cone	HB COMP V 220W ML 865 IP65
	Light distribution curve type cone	HB COMP V 220W ML 840 IP65 with reflector
	Light distribution curve type cone	HB COMP V 220W ML 850 IP65 with reflector
	Light distribution curve type cone	HB COMP V 220W ML 865 IP65 with reflector
	Light distribution curve type polar	HB COMP V 220W ML 840 IP65
	Light distribution curve type polar	HB COMP V 220W ML 850 IP65
	Light distribution curve type polar	HB COMP V 220W ML 865 IP65
	Light distribution curve type polar	HB COMP V 220W ML 840 IP65 with reflector
	Light distribution curve type polar	HB COMP V 220W ML 850 IP65 with reflector
	Light distribution curve type polar	HB COMP V 220W ML 865 IP65 with reflector

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	CAD/BIM files	Document name
	BIM Revit 3D	HB COMP G2
	CAD STEP 3D	HB COMP G2 220W

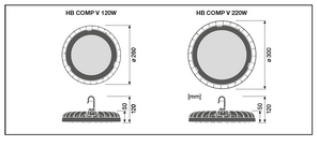
	Tender texts	Document name
	Tender documents	HIGH BAY COMPACT GEN 2 V 220W ML 8405065 IP65-en

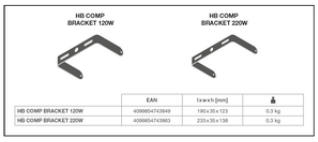
LOGISTICAL DATA

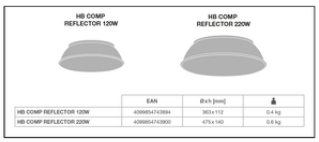
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854743832	Shipping box 1	340 mm x 339 mm x 82 mm	2665.00 g	9.45 dm^3

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

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