PRODUCT DATASHEET
HB DA P 150W 840 70DEG IP66

HIGH BAY DALI GEN 5 | High-bay DALI luminaires up to 181 lm/W and attractive UGR



PERFOR-
MANCE
CLASS

Areas of application

- Replacement for high bay luminaires with mercury vapor or metal halide lamps
- Warehouses, logistic halls
- Industry
- High ceiling (e.g. in shopping malls, airports, commercial buildings, lobbies)

Product benefits

- Improved UGR compared to previous generations, down to UGR ≤ 19 (<150W, 70°) in combination with reflector
- Energy savings of up to 70 % compared to conventional high bay luminaires
- Optimized weight and size due to compact design

Product features

- DALI versions with IoT-ready DALI-2 driver
- Different luminous flux and beam angle for mounting heights of ~ 6 m to 18 m in 4000 K or 6500 K
- Dimming range (DALI): 10…100 %
- Lifetime (L80/B10): up to 100,000 h (at 35 °C)

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TECHNICAL DATA

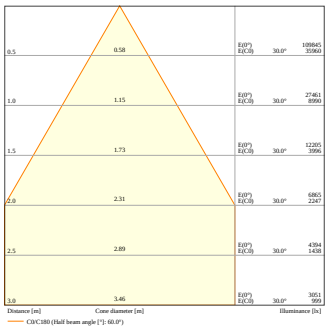
Electrical data

Nominal wattage	150.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	665.000 mA
Inrush current	17.1 A
Inrush current time T_{h50}	314 µs
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	> 0.95
Maximum total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2

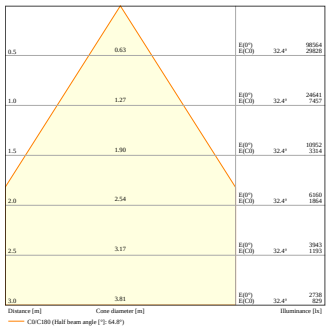
Photometrical data

Luminous flux	26400 lm
Luminous efficacy	176 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤4 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	70 °

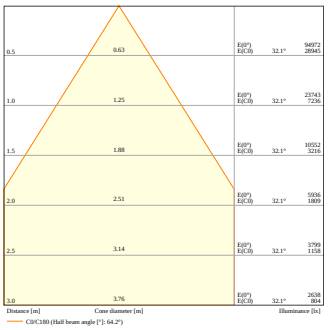
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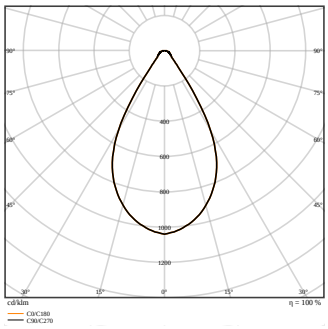
HB DA P 150W 840 70DEG IP66



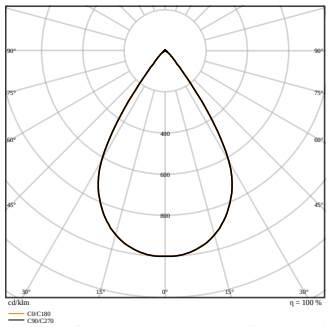
HB DA P 150W 840 70DEG IP66 WITH REFLECTOR



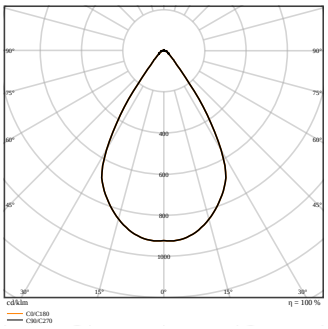
HB DA P 150W 840 70DEG IP66 WITH REFRACTOR



HB DA P 150W 840 70DEG IP66



HB DA P 150W 840 70DEG IP66 WITH REFLECTOR

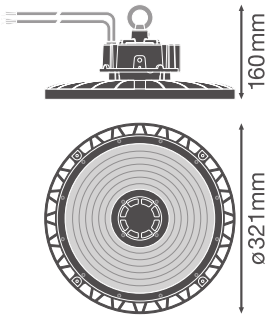


HB DA P 150W 840 70DEG IP66 WITH REFRACTOR

Dimensions & Weight

Diameter	321.00 mm
Height	160.00 mm
Product weight	2900.00 g
Cable length	1500 mm

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HB P

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9005
Body material	Aluminum
Cover material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-30…+50 °C
Temperature range at storage	-40…+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK10
Dimmable	Yes
Type of dimming	DALI-2
Mounting type	Surface/Suspended
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	120000 h [1)]

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Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	49000 h [1)]
Number of switching cycles	200000

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

Control gear

Nominal output current	615 mA
Output current	615 mA
Output ripple current (100 Hz)	< 5 %

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None

Certificates & Standards

Standards	CE / UKCA / EAC / CB / ENEC / TÜV SÜD / EPD
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00032-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES

Accessories Optional

Product image	Product name	EAN
	HB BRACKET 138	4058075844643
	HB ALU REFLECTOR 500	4058075844582

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Product image	Product name	EAN
	HB PC REFRACTOR 500	4058075844629

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922

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Product image	Product name	EAN
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882

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Product image	Product name	EAN
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

- Mounting hook included
- Mounting brackets, reflectors and refractors available as separate accessory

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	HB ACC
PDF	Legal information	HB DA P
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205496
PDF	Declarations of conformity	HIGHBAY DALI P

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	Documents and certificates	Document name
PDF	Declarations of conformity UKCA	HIGHBAY DALI P
PDF	Certificates	ENEC HIGHBAY P DALI
PDF	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	EPD EN HIGH BAY GEN 5 DALI

	Photometric and lighting design files	Document name
IES	IES file (IES)	HB DA P 150W 840 70DEG IP66
IES	IES file (IES)	HB DA P 150W 840 70DEG IP66 WITH REFLECTOR
IES	IES file (IES)	HB DA P 150W 840 70DEG IP66 WITH REFRACTOR
LDT	LDT file (Eulumdat)	HB DA P 150W 840 70DEG IP66
LDT	LDT file (Eulumdat)	HB DA P 150W 840 70DEG IP66 WITH REFLECTOR
LDT	LDT file (Eulumdat)	HB DA P 150W 840 70DEG IP66 WITH REFRACTOR
ULD	ULD file (DIALux)	HB DA P 150W 840 70DEG IP66
ROLF	ROLF file (RELUX)	HB DA P 150W 840 70DEG IP66
	UGR file (UGR table)	HB DA P 150W 840 70DEG IP66
	UGR file (UGR table)	HB DA P 150W 840 70DEG IP66 WITH REFLECTOR
	UGR file (UGR table)	HB DA P 150W 840 70DEG IP66 WITH REFRACTOR
	Light distribution curve type cone	HB DA P 150W 840 70DEG IP66
	Light distribution curve type cone	HB DA P 150W 840 70DEG IP66 WITH REFLECTOR
	Light distribution curve type cone	HB DA P 150W 840 70DEG IP66 WITH REFRACTOR

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	Photometric and lighting design files	Document name
	Light distribution curve type polar	HB DA P 150W 840 70DEG IP66
	Light distribution curve type polar	HB DA P 150W 840 70DEG IP66 WITH REFLECTOR
	Light distribution curve type polar	HB DA P 150W 840 70DEG IP66 WITH REFRACTOR

	CAD/BIM files	Document name
	BIM Revit 3D	High Bay G5
	CAD STEP 3D	HB G5 150W

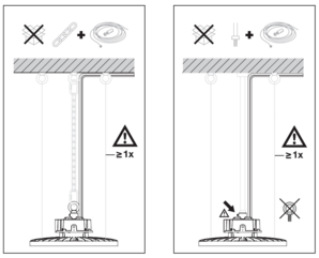
	Tender texts	Document name
	Tender documents	HIGH BAY DALI GEN 5 150W 840 70DEG IP66-EN

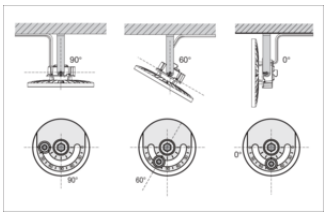
LOGISTICAL DATA

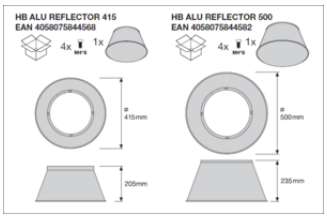
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075844421	Shipping box 1	368 mm x 368 mm x 168 mm	3553.00 g	22.75 dm^3

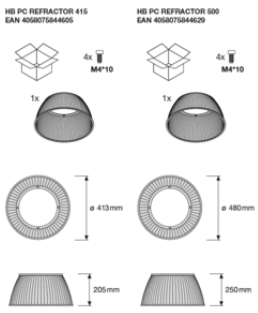
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









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References / Links

– For Guarantee see www.ledvance.com/guarantee

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