

PRODUCT DATASHEET

HB DALI 155 W 4000 K 70DEG IP65

HIGH BAY DALI GEN 3 | LED high-bay luminaires with DALI interface



PERFOR-
MANCE
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

- High compatibility thanks to DALI-2 certification
- DALI 2.0 interface for dimming and sensor operations
- Low flicker light thanks to special electronic control gear
- High luminous efficacy
- Energy savings of up to 90 % compared to conventional high bay luminaires
- 5 years guarantee

Product features

- Pre-configured DALI driver included
- Luminous efficacy: up to 140 lm/W
- Type of protection: IP65
- Dimming range (DALI): 10...100 %



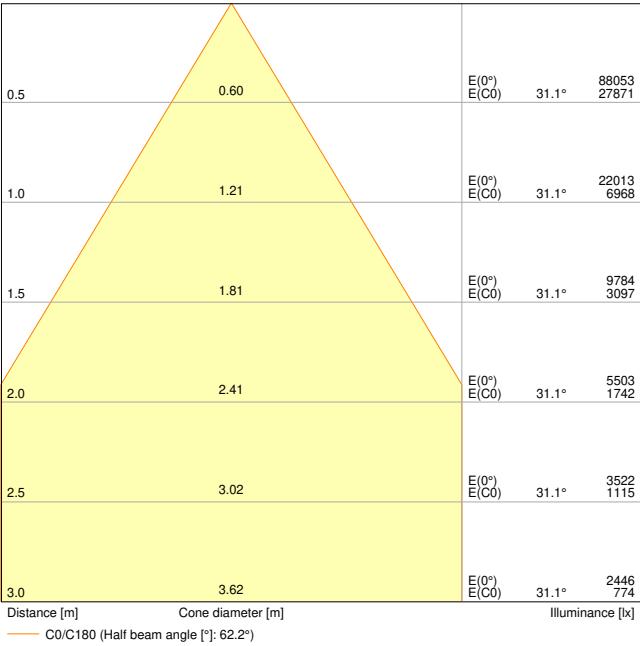
TECHNICAL DATA

Electrical data

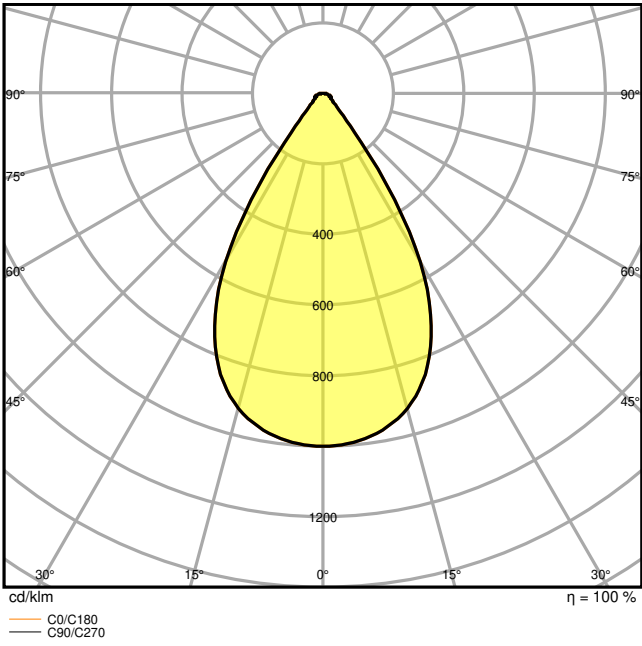
Nominal wattage	155.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	700 mA
Inrush current	60.4 A
Inrush current time T_{h50}	312 μ s
Max. number of luminaires per miniature circuit breaker B16	3
Max. number of luminaires per miniature circuit breaker C10	3
Max. number of luminaires per miniature circuit breaker C16	5
Power factor λ	≥ 0.95
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage
Dimming interface	DALI-2

Photometrical data

Luminous flux	22000 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	< 5 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	70 °
UGR	< 25



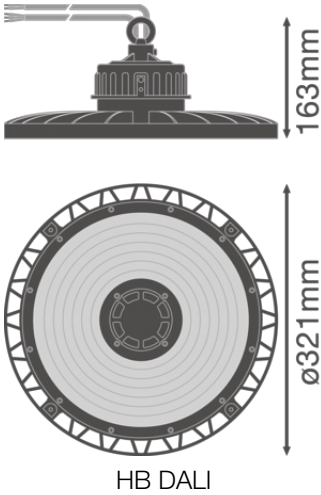
HB-DALI-155W-4000K-70DEG-IP65



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Dimensions & Weight

Diameter	321.00 mm
Height	163.00 mm
Product weight	3568.00 g



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface 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...+70 °C
Type of connection	2 Cables (2-pole/3-pole)
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	Yes
Type of dimming	DALI
Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
Adjustable	Yes
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	80000 h ¹⁾
Lifespan L80/B10 at 25 °C	50000 h ¹⁾
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	30000 h
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

ECG - Output ripple current	< 10 %
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Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / EPD
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Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

- Mounting hook and brackets included
- Reflectors and refractors as separate accessory available

DOWNLOAD DATA

	Documents and certificates	Document name
	User instruction / safety instructions	UI_High Bay DALI
	Legal information	LS Insert HB DALI IP65
	Legal information	Legal insert HB DALI
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	EC Declaration High Bay DALI
	Declarations of conformity	CE Declaration of conformity HB DALI 155W 4000K 70DEG IP65
	Declarations of conformity UKCA	UKCA Declaration of Conformity HB DALI 155W 4000K 70DEG IP65
	Declarations of conformity UKCA	HB DALI 4000K IP65

	Photometric and lighting design files	Document name
	IES file (IES)	HB-DALI-155W-4000K-70DEG-IP65
	LDT file (Eulumdat)	HB-DALI-155W-4000K-70DEG-IP65
	ULD file (DIALux)	HB DALI 155W-4000K 70DEG
	ROLF file (RELUX)	HB DALI 155W-4000K

Photometric and lighting design files		Document name
	UGR file (UGR table)	HB 155W4000K 70DEG IP65
	Light distribution curve type cone	HB-DALI-155W-4000K-70DEG-IP65
	Light distribution curve type polar	HB-DALI-155W-4000K-70DEG-IP65
CAD/BIM files		Document name
	BIM Revit 3D	HB GEN3
	CAD STEP 3D	HB Gen3 DA 155W
Tender texts		Document name
	Tender documents	HIGH BAY DALI GEN 3 155 W 4000 K 70DEG IP65-EN

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.