PRODUCT DATASHEET
HB DALI 210 W 4000 K 70DEG IP65

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

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
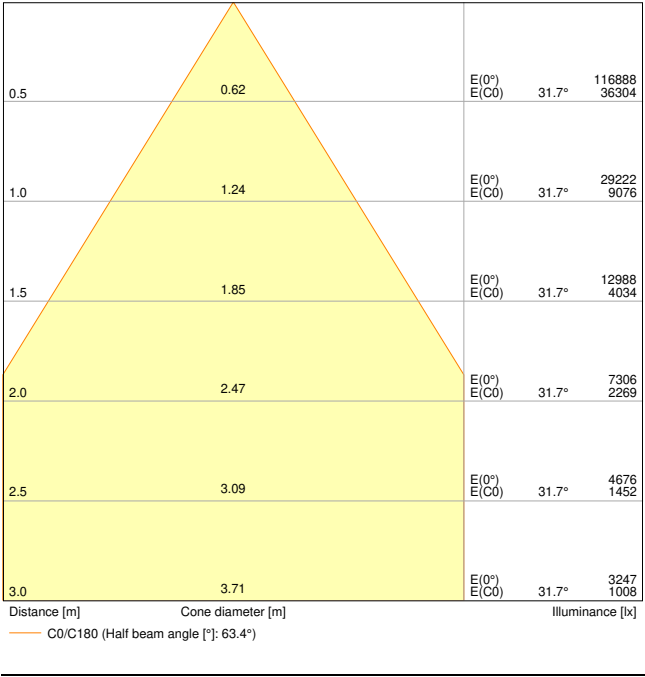- Dimming range (DALI): 10...100 %
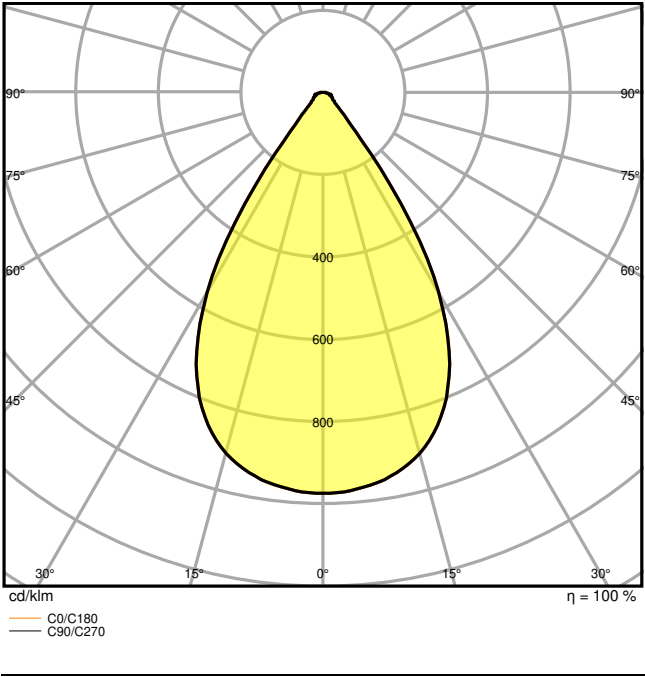
TECHNICAL DATA

Electrical data

Nominal wattage	210.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	950 mA
Inrush current	62.8 A
Inrush current time T_{h50}	374 μs
Max. no. of lum. on circuit break. B16 A	3
Max. no. of lum. on circuit break. C10 A	3
Max. no. of lum. on circuit break. C16 A	4
Power factor λ	≥0.95
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Mains voltage

Photometrical data

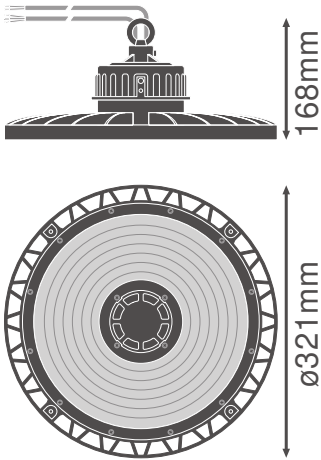|	
Luminous flux	30000 lm
Luminous efficacy	140 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	< 5 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Beam angle	70 °
UGR	< 25

LDC typ cone

Distance [m]	Cone diameter [m]			Illuminance [lx]
0.5	0.62	E(0°)	31.7°	116888
		E(C0)		36304
1.0	1.24	E(0°)	31.7°	29222
		E(C0)		9076
1.5	1.85	E(0°)	31.7°	12988
		E(C0)		4034
2.0	2.47	E(0°)	31.7°	7306
		E(C0)		2269
2.5	3.09	E(0°)	31.7°	4676
		E(C0)		1452
3.0	3.71	E(0°)	31.7°	3247
		E(C0)		1008

— C0/C180 (Half beam angle [°]: 63.4°)

LDC typ cone

LDC typ polar

cd/klm   η = 100 %

— C0/C180
— C90/C270

LDC typ polar

Dimensions & Weight

Diameter	321.00 mm
Height	168.00 mm
Product weight	3768.00 g

168mm

ø321mm

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
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	80000 h [1]
Lifespan L80/B10 at 25 °C	50000 h [1]
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 %

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

	Photometric and lighting design files
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar

	CAD/BIM files
ZIP	BIM_Revit_3D

CAD/BIM files
CAD_STEP_3D

Tender texts
Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075543966	Shipping box 1	357 mm x 357 mm x 184 mm	4380.00 g	23.45 dm³

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.