



# PRODUCT DATASHEET

## LB FLEX 1200 DALI P 42W 840 OV

LOW BAY FLEX 1200 DALI | Low-bay luminaires with attractive linear design, up to 155 lm/W with DALI-2 technology



PERFOR-  
MANCE  
CLASS

### Areas of application

- Replacement for luminaires with mercury vapor or metal halide lamps
- Warehouses
- Logistics halls
- Industrial and storage facilities
- Discounters, supermarkets
- Sports halls
- Indoor sports facilities

### Product benefits

- High compatibility thanks to DALI-2 certification
- Economical thanks to high luminous efficacy up to 155 lm/W
- Easy and quick installation thanks to toolless connector box with 5- and 7-pole terminals
- Modern and robust design
- 5 years guarantee

### Product features

- DALI-2 certified
- Suitable for emergency central battery installations acc. to EN 60598-2-22
- Different luminous flux and beam angle for mounting heights of ~ 4 m to ~10 m in 4000 K
- Through-wiring cable already installed
- Long Lifetime (L80/B10): up to 100,000 h
- High color consistency:  $\leq 3$  SDCM



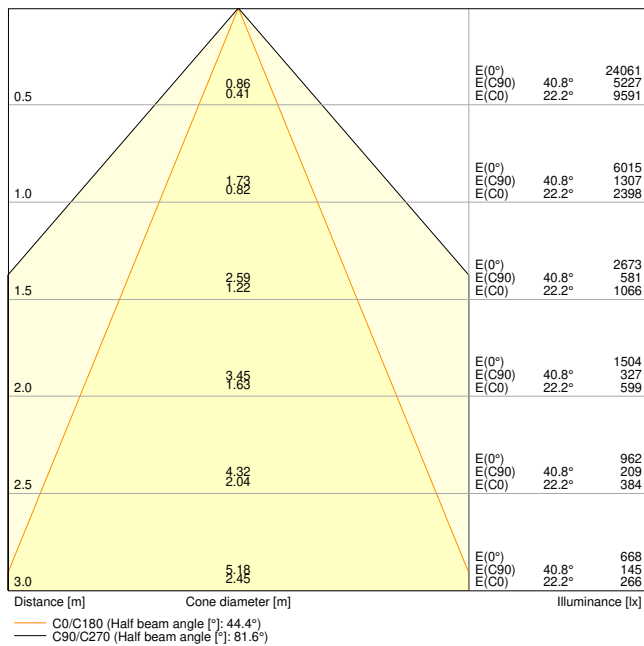
## TECHNICAL DATA

### Electrical data

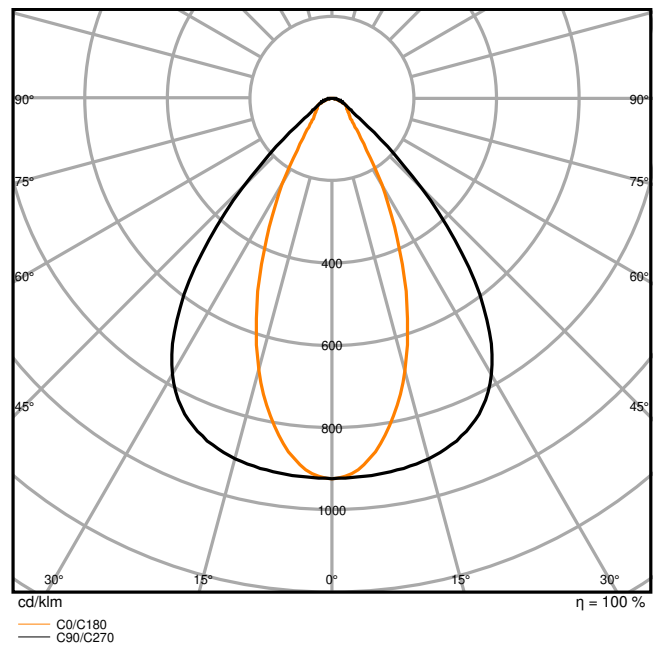
Nominal wattage	42 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	190 mA
Inrush current	22.4 A
Inrush current time $T_{h50}$	176 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	16
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	$\leq 20$ %
Protection class	I
Operating mode	Electronic control gear (ECG)

### Photometrical data

Luminous flux	6510 lm
Luminous efficacy	155 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	< 3 sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	40 ° x 90 °



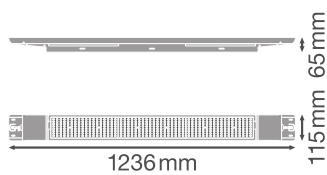
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Dimensions & Weight

Length	1236.00 mm
Width	115.00 mm
Height	65.00 mm
Product weight	3300.00 g



LOW BAY FLEX 1200

Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-25...+50 °C
Temperature range at storage	-20...+80 °C
Type of connection	SCREWLESS TERMINAL, 7-POLE (L1, L2, L3, N, PE, DA, DA)
Type of protection	IP23
Protection class IK (shock resistance)	IK08
Dimmable	Yes
Type of dimming	DALI2
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	100000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	83000 h
Number of switching cycles	50000

<sup>1)</sup> 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	370 mA
ECG - Output ripple current	< 10 %
Recommended control gear	TRIDONIC/LCA 50W 100-400mA one4all Ip PRE

### Emergency lighting

Wattage in emergency operation mode	7.5 W
Luminous flux in emergency operation mode	999 lm












### Certificates & Standards





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

### EQUIPMENT / ACCESSORIES

– Suspension kit, ball-proof cover and angulation mounting kit available as separate accessory

### DOWNLOAD DATA

Documents and certificates		Document name
	User Instruction	UI Lowbay Flex
	Addon Technical Information	LS Insert LB FLEX DALI
	Legal information	Legal Insert LB FLEX DALI
	Declarations of conformity	LB FLEX
	Declarations Of Conformity UKCA	LB FLEX
Photometric and lighting design files		Document name
	IES file (IES)	LB FLEX 1200 DALI P 42W 840 OV
	LDT file (Eulumdat)	LB FLEX 1200 DALI P 42W 840 OV
	ULD file (DIALux)	LB FLEX 1200 DALI P 42W 840 OV
	ROLF file (RELUX)	LB FLEX 1200 DALI P 42W 840 OV
	UGR file (UGR table)	LB FLEX 1200 DALI P 42W 840 OV
	LDC typ cone	LB FLEX 1200 DALI P 42W 840 OV

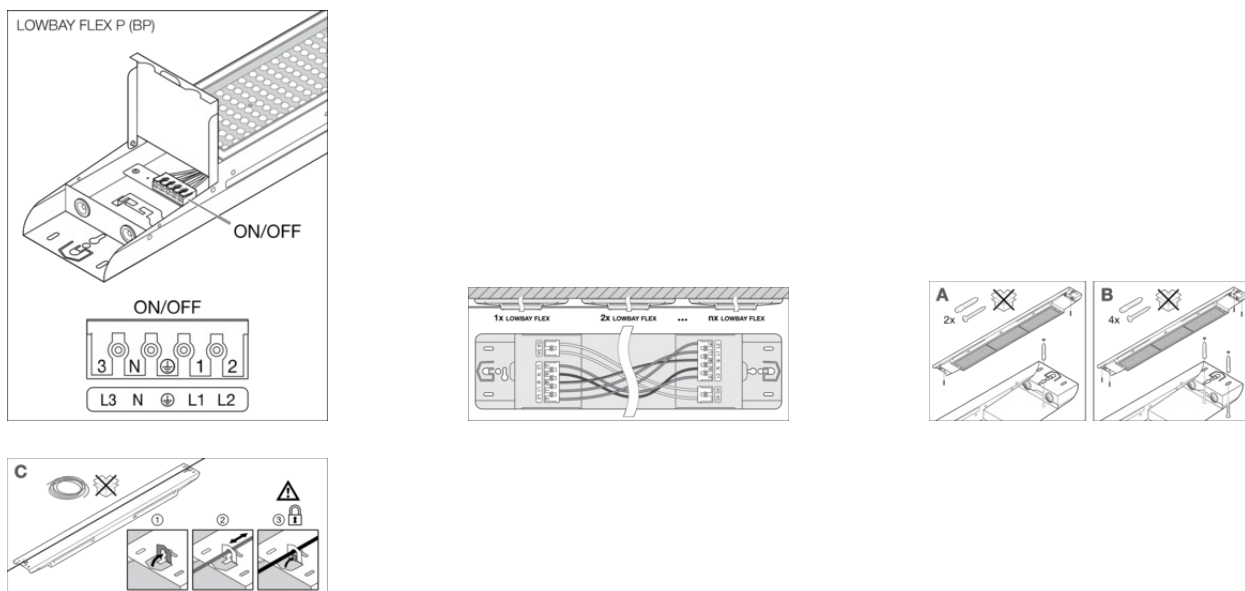
Photometric and lighting design files		Document name
	LDC typ polar	LB FLEX 1200 DALI P 42W 840 OV
CAD/BIM files		Document name
	BIM_Revit_3D	LOW BAY FLEX
	CAD_STEP_3D	LB FLEX 1200
Tender texts		Document name
	Tender documents	LOW BAY FLEX 1200 DALI DALI P 42W 840 OV-EN

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854164156	Folding box 1	106 mm x 1,282 mm x 154 mm	3688.00 g	20.93 dm <sup>3</sup>
4099854164163	Shipping box 3	1,312 mm x 488 mm x 143 mm	13163.00 g	91.56 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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