

PRODUCT DATASHEET

LB FLEX 1200 P 42W 840 W

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



Areas of application

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

Product benefits

- 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

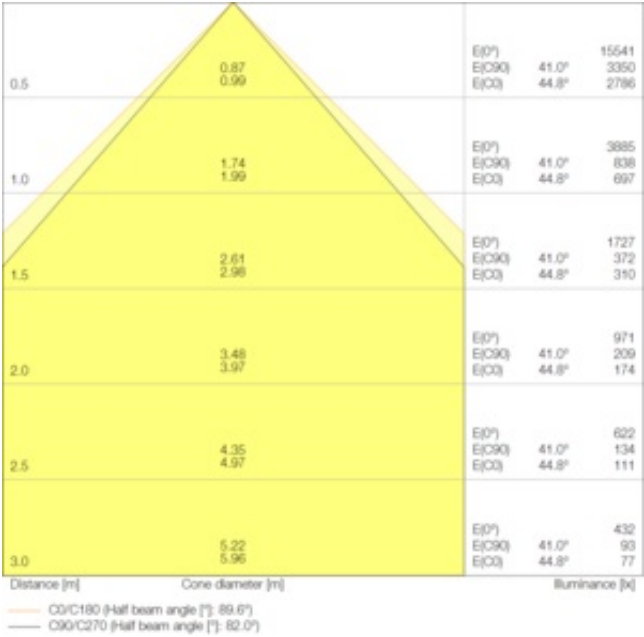
- Different luminous flux and beam angle for mounting heights of ~ 4 m to ~10 m in 4000 K
- Through-wiring cable already installed
- Long Lifetime (L80/B10): up to 100,000 h
- High color consistency: ≤ 3 SDCM

TECHNICAL DATA**Electrical data**

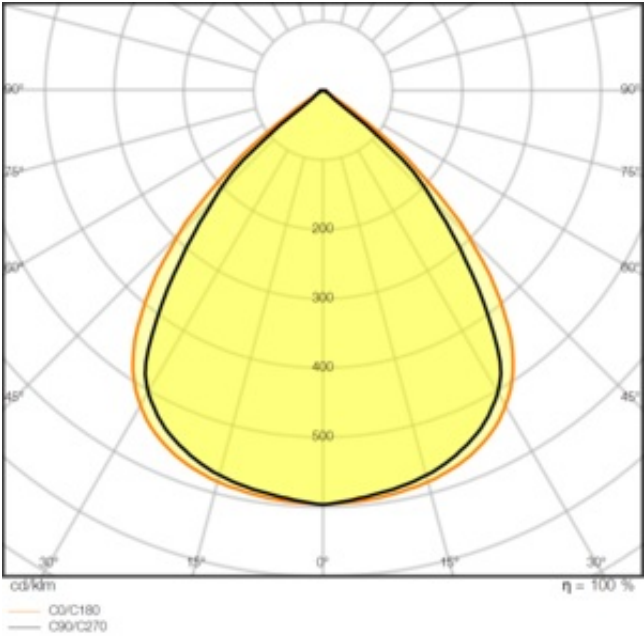
Nominal wattage	42 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	190 mA
Inrush current	40.53 A
Inrush current time T_{h50}	2.1 μ s
Max. no. of lum. on circuit break. B16 A	18
Max. no. of lum. on circuit break. C10 A	14
Max. no. of lum. on circuit break. C16 A	23
Power factor λ	≥ 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	≥ 80
Standard deviation of color matching	< 3 sdcn
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °



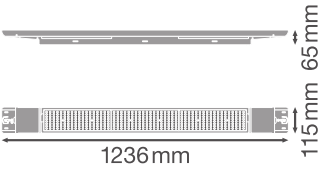
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Dimensions & Weight

Length	1236 mm
Width	115.00 mm
Height	65.00 mm
Product weight	3400.00 g



Materials & Colors

Product color	White
Housing color	White

Body material	Steel
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-25...+50 °C
Type of connection	Screwless terminal
Type of protection	IP23
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h
Lifespan L80/B10 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	83000 h
Number of switching cycles	50000

Control gear

Output current	370 mA
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Certificates & Standards

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

Additional product data

Product remark	Available from May 2022
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EQUIPMENT / ACCESSORIES

- Suspension kit available as separate accessory

DOWNLOAD DATA

DOWNLOAD DATA

	User instruction UI LB FLEX P and LB FLEX BP P
	Addon Technical Information LSI LB FLEX P and LB FLEX BP P
	Tender documents LOW BAY FLEX 1200 P 42W 840 W-EN
	Declarations of conformity EU Declaration of conformity LB FLEX
	IES file (IES) LB FLEX 1200 P 42W 840 W
	LDT file (Eulumdat) LB FLEX 1200 P 42W 840 W
	R3D file (Relux 3D Model) LB FLEX 1200
	M3D file (3D Model) LB FLEX 1200
	UGR file (UGR table) LB FLEX 1200 P 42W 840 W

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075676060	Folding box 1	76 mm x 1,244 mm x 123 mm	4255.00 g	11.63 dm ³
4058075676077	Shipping box 3	1,264 mm x 250 mm x 156 mm	13901.00 g	49.30 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.

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.