

# PRODUCT DATASHEET

## LB FLEX 1200 P 42W 840 VW

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
- Sports halls
- Indoor sports facilities

### 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:  $\leq 3$  SDCM



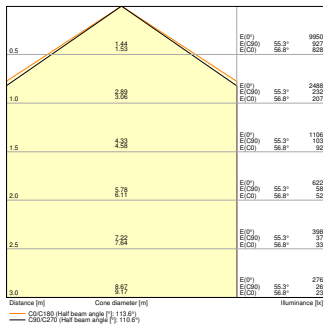
## TECHNICAL DATA

### Electrical data

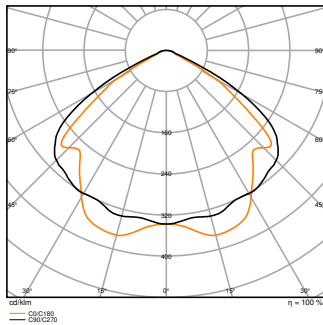
Nominal wattage	42 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	190 mA
Inrush current	31.31 A
Inrush current time $T_{h50}$	282 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	18
Max. number of luminaires per miniature circuit breaker C10	30
Max. number of luminaires per miniature circuit breaker C16	30
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	$\leq 20$ %
Protection class	I
Operating mode	Electronic control gear (ECG)

### Photometrical data

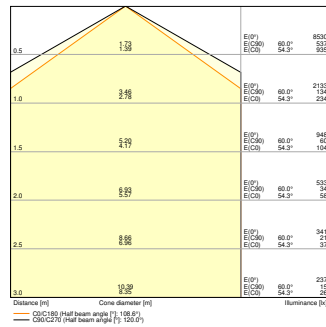
Luminous flux	6510 lm
Luminous efficacy	155 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	< 3 sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	120 °



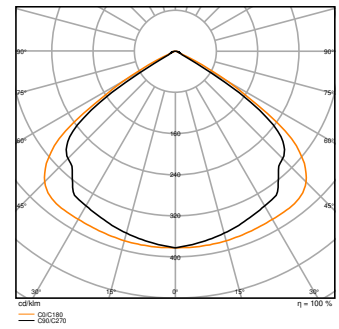
LB FLEX 1200 P 42W 840 WW



LB FLEX 1200 P 42W 840 WW  
WITH BP COVER



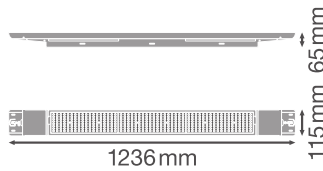
LB FLEX 1200 P 42W 840 WW  
WITH BP COVER



LB FLEX 1200 P 42W 840 WW

Dimensions & Weight

Length	1236 mm
Width	115.00 mm
Height	65.00 mm
Product weight	3400.00 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
Type of protection	IP23
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
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 L80/B50 at 25 °C	100000 h
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 %

## Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / UKCA / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00020-V01.01-EN
Replaceable light source (EPREL)	Not replaceable









### Accessories Optional
















Product image	Product name	EAN
	LB FLEX SUSPENSION KIT	4058075693722

### EQUIPMENT / ACCESSORIES

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

### DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI Lowbay Flex
	Legal information	Legal Insert LB FLEX
	Legal information	LS Insert LB FLEX DALI
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	EU Declaration of conformity LB FLEX
	Declarations of conformity UKCA	LB FLEX 840
Photometric and lighting design files		Document name
	IES file (IES)	LB FLEX 1200 P 42W 840 WW
	IES file (IES)	LB FLEX 1200 P 42W 840 WW

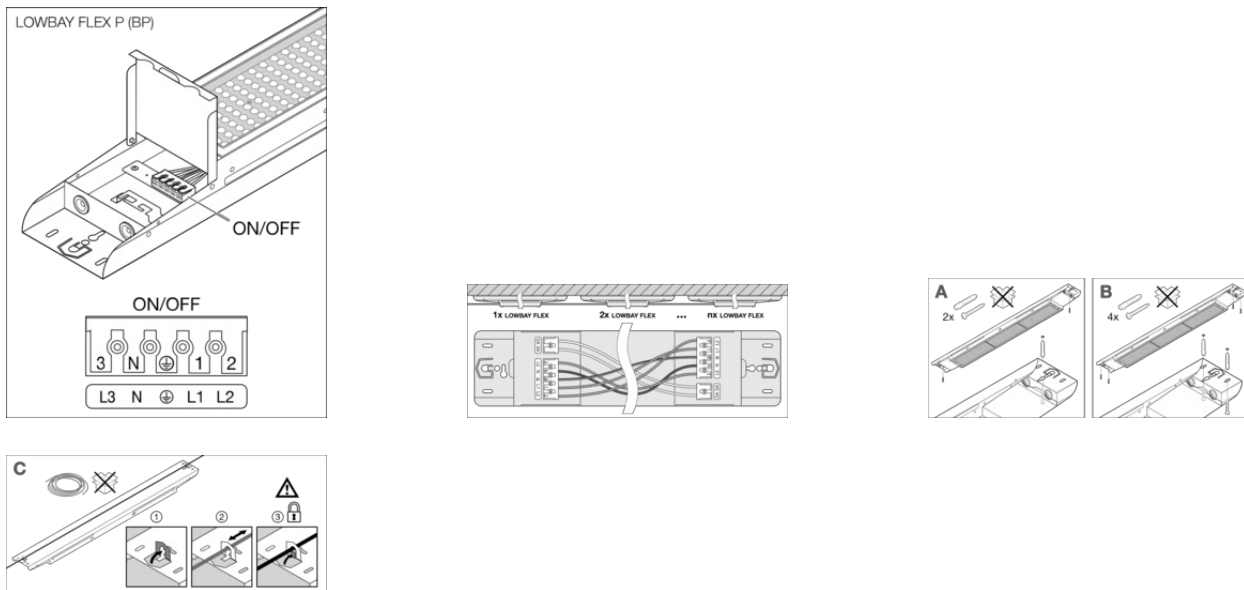
Photometric and lighting design files		Document name
	IES file (IES)	LB FLEX 1200 P 42W 840 VW WITH BP COVER
	LDT file (Eulumdat)	LB FLEX 1200 P 42W 840 VW
	LDT file (Eulumdat)	LB FLEX 1200 P 42W 840 VW
	LDT file (Eulumdat)	LB FLEX 1200 P 42W 840 VW WITH BP COVER
	ULD file (DIALux)	LB FLEX 1200 P 42W
	ROLF file (RELUX)	LB FLEX 1200 P
	UGR file (UGR table)	LB FLEX 1200 P 42W 840 VW
	UGR file (UGR table)	LB FLEX 1200 P 42W 840 VW WITH BP COVER
	Light distribution curve type cone	LB FLEX 1200 P 42W 840 VW
	Light distribution curve type cone	LB FLEX 1200 P 42W 840 VW WITH BP COVER
	Light distribution curve type polar	LB FLEX 1200 P 42W 840 VW
	Light distribution curve type polar	LB FLEX 1200 P 42W 840 VW WITH BP COVER
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 P 42W 840 VW-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075676084	Folding box 1	106 mm x 1,282 mm x 154 mm	4255.00 g	20.93 dm <sup>3</sup>
4058075676091	Shipping box 3	1,312 mm x 488 mm x 143 mm	13901.00 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)

### DISCLAIMER

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