PRODUCT DATASHEET
LB FLEX 1200 P 42W 840 N

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



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

- 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

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

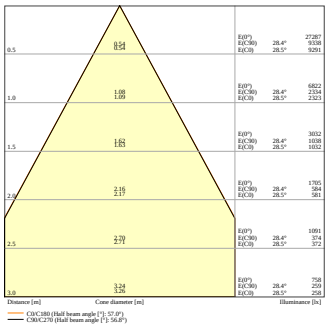
Electrical data

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 µs
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 λ	≥0.90
Maximum total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Electronic control gear (ECG)

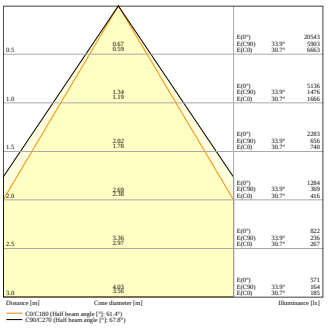
Photometrical data

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 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	60 °

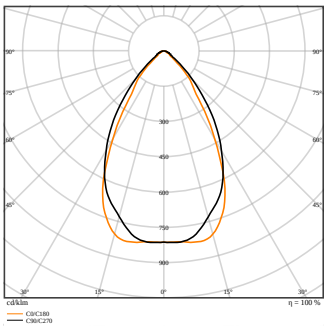
© 2026, LEDVANCE GmbH. All rights reserved.



LB FLEX 1200 P 42W 840 N



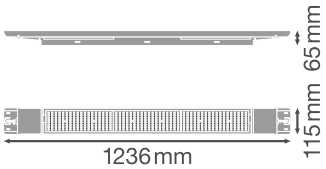
LB FLEX 1200 P 42W 840 N WITH BP COVER



LB FLEX 1200 P 42W 840 N WITH BP COVER

Dimensions & Weight

Length	1236.00 mm
Width	115.00 mm
Height	65.00 mm
Product weight	3000.00 g



LOW BAY FLEX 1200

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Steel
Cover material	Polycarbonate (PC)

© 2026, LEDVANCE GmbH. All rights reserved.

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	Terminals, 5-Pole (L1, L2, L3, N, PE)
Type of protection	IP23
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

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

1) 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
Output ripple current (100 Hz)	< 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

© 2026, LEDVANCE GmbH. All rights reserved.

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI Lowbay Flex
PDF	Legal information	Legal Insert LB FLEX
PDF	Legal information	LS Insert LB FLEX DALI
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	LB FLEX
PDF	Declarations of conformity UKCA	LB FLEX
PDF	EPD	EPD EN LOW BAY FLEX

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

© 2026, LEDVANCE GmbH. All rights reserved.

	Photometric and lighting design files	Document name
	Light distribution curve type cone	LB FLEX 1200 P 42W 840 N WITH BP COVER
	Light distribution curve type polar	LB FLEX 1200 P 42W 840 N WITH BP COVER

	CAD/BIM files	Document name
	BIM Revit 3D	LOW BAY FLEX
	CAD STEP 3D	LB FLEX 1200

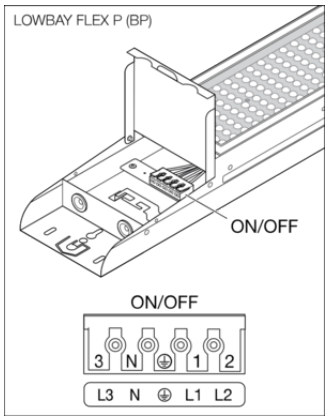
	Tender texts	Document name
	Tender documents	LOW BAY FLEX 1200 P 42W 840 N-EN

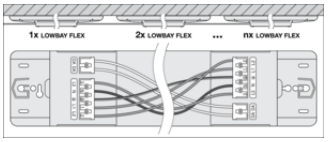
LOGISTICAL DATA

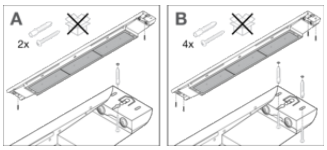
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854163654	Folding box 1	106 mm x 1,282 mm x 154 mm	3388.00 g	20.93 dm^3
4099854163661	Shipping box 3	1,312 mm x 488 mm x 143 mm	12000.00 g	91.56 dm^3

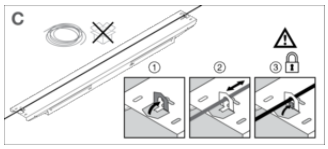
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









© 2026, LEDVANCE GmbH. All rights reserved.

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.

© 2026, LEDVANCE GmbH. All rights reserved.