

PRODUCT DATASHEET

LB FLEX BP 1500 P 105W 840 W

LOW BAY FLEX BALL PROOF | Ball proof Low-bay luminaires with attractive linear design, up to 155 lm/W



Areas of application

- Sports halls
- Indoor sports facilities

Product benefits

- Ball-proof luminaire with increased physical robustness (according to DIN 18032-3 and DIN 57710-13)
- 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

- Ball-proof Low-bay luminaires for mounting heights up 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

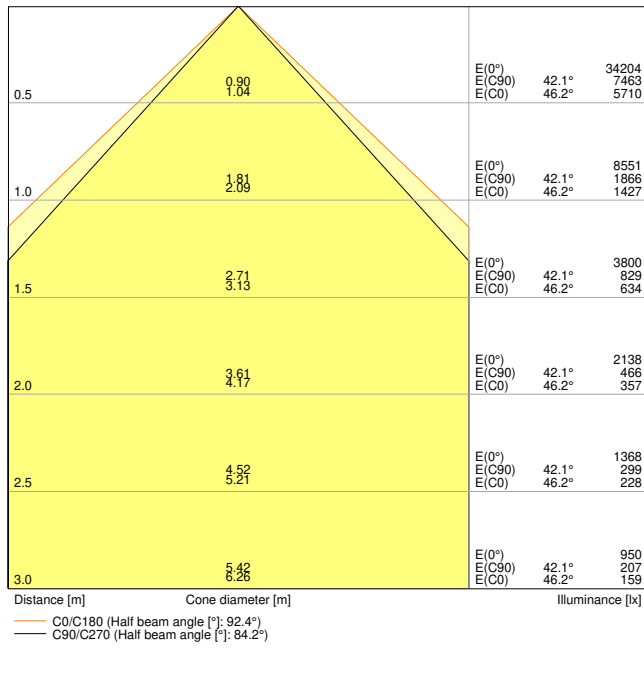


TECHNICAL DATA**Electrical data**

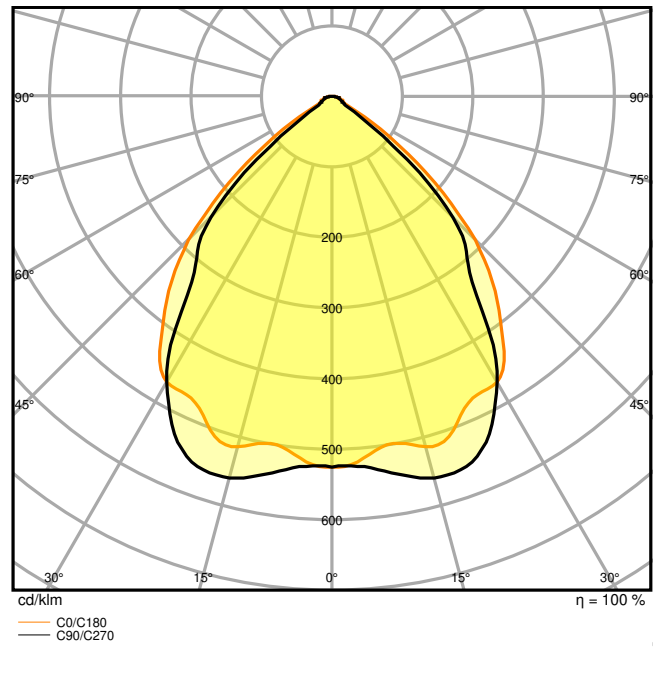
Nominal wattage	105 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	450 mA
Inrush current	35.35 A
Inrush current time T_{h50}	290 μ s
Max. number of luminaires per miniature circuit breaker B16	21
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	27
Power factor λ	≥ 0.90
Total harmonic distortion	$\leq 20 \%$
Protection class	I
Operating mode	ELECTRONIC CONTROL GEAR (ECG)

Photometrical data

Luminous flux	16275 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 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °



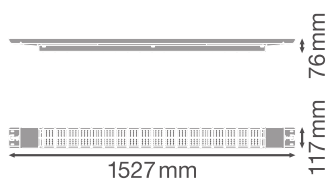
LDC typ cone



LDC typ polar

Dimensions & Weight

Length	1527 mm
Width	117.00 mm
Height	76.00 mm
Product weight	6000.00 g



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	-40...+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
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L90/B10 at 25 °C	82000 h
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	460 mA
ECG - Output ripple current	< 10 %
Recommended control gear	ZOPOISE /ZPS-VL042H-CE

Certificates & Standards


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

DOWNLOAD DATA


Documents and certificates

	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
	Certificates

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

	BIM_Revit_3D
	CAD_STEP_3D

Tender texts



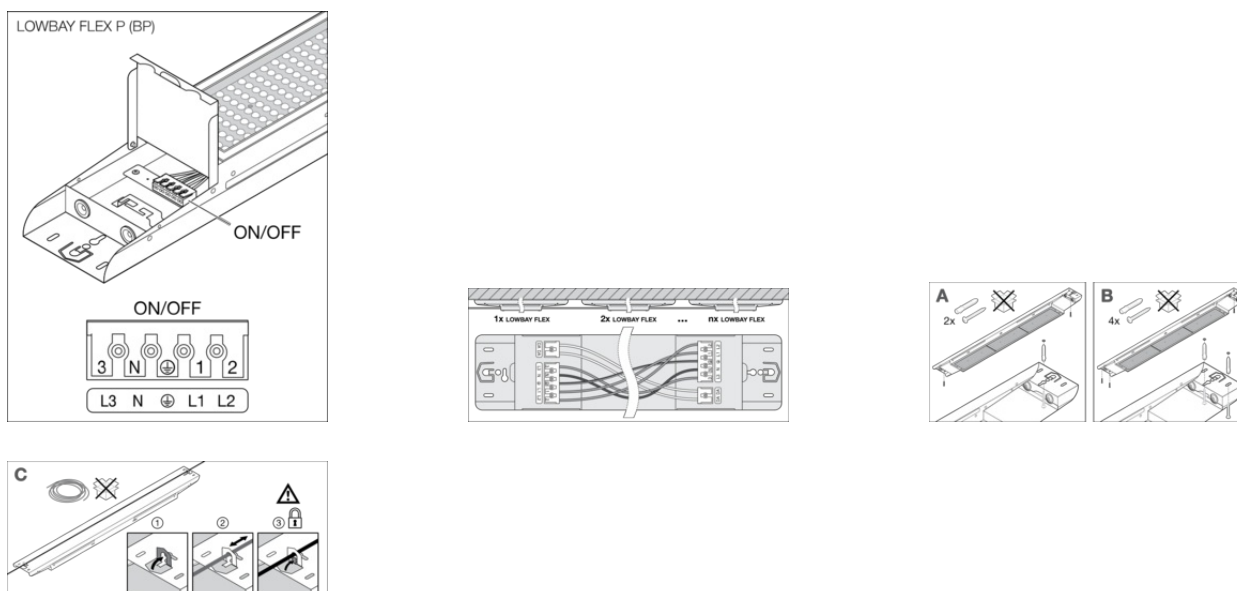
Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075676367	Folding box 1	106 mm x 1,572 mm x 154 mm	6433.00 g	25.66 dm ³
4058075676374	Shipping box 3	1,602 mm x 488 mm x 143 mm	21782.00 g	111.79 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



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.