

PRODUCT DATASHEET

LB FLEX BP DALI 1500 P 105W 840 W

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



PERFOR-
MANCE
CLASS

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



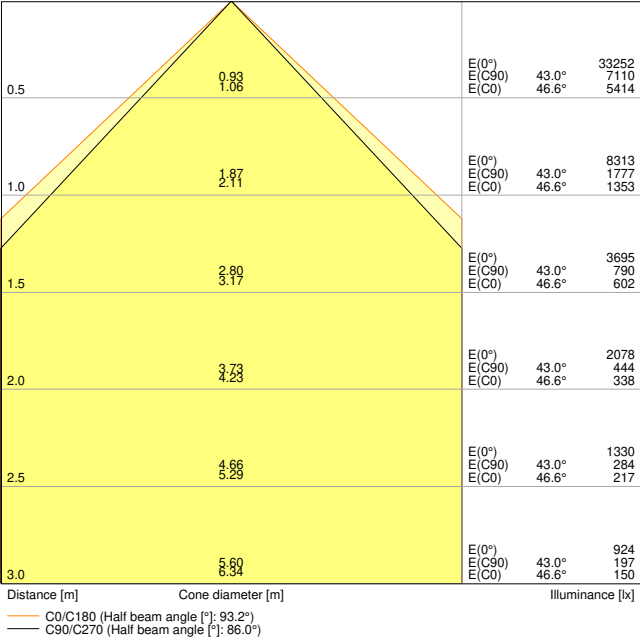
TECHNICAL DATA

Electrical data

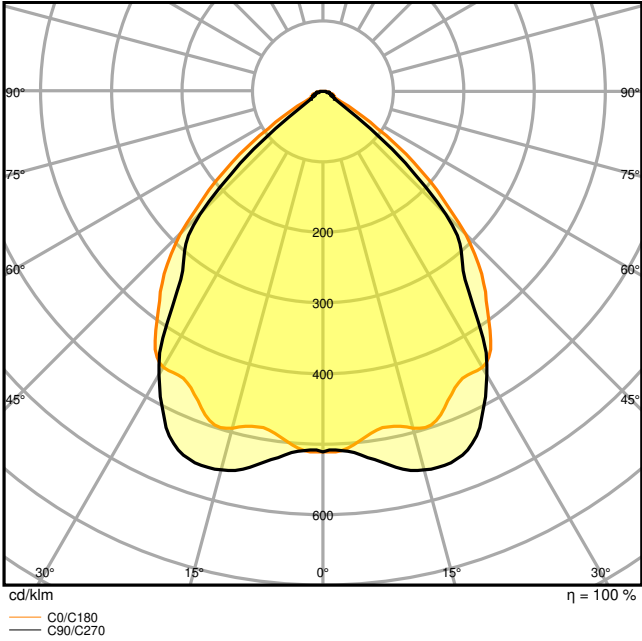
Nominal wattage	105 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	450 mA
Inrush current	17.3 A
Inrush current time T_{h50}	164 μ s
Max. number of luminaires per miniature circuit breaker B16	27
Max. number of luminaires per miniature circuit breaker C10	17
Max. number of luminaires per miniature circuit breaker C16	28
Power factor λ	≥ 0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	ELECTRONIC CONTROL GEAR (ECG)
Dimming interface	DALI-2 / IoT

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 sdcn
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	90 °



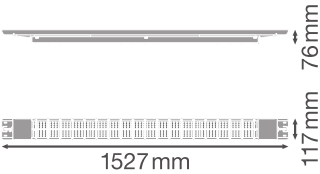
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Dimensions & Weight

Length	1527 mm
Width	117.00 mm
Height	76.00 mm
Product weight	5760.00 g



LB FLEX BP 1500

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	Yes
Type of dimming	DALI2
IoT ready	Support of DALI data type PART 251, 252, 253 ¹⁾
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
With light source	Yes
Replaceable light source	No

¹⁾ Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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	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
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ECG - Output ripple current	< 10 %
Recommended control gear	TRIDONIC/LCI 100/200-850/300 o4a sl PRE

Emergency lighting

Wattage in emergency operation mode	18.9 W
Luminous flux in emergency operation mode	2662 lm

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / UKCA
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	Yes
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES
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DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	LOWBAY FLEX P / LOWBAY FLEX BP P
	Legal information	Legal Insert LB FLEX DALI
	Legal information	LS Insert LB FLEX DALI
	Declarations of conformity	EU Declaration of conformity LB FLEX DALI
	Declarations of conformity	CE Declaration of Conformity LB FLEX BP DALI P
	Declarations of conformity UKCA	UKCA Declaration of Conformity LB FLEX BP DALI P
	Declarations of conformity UKCA	LB FLEX DALI 840
	Certificates	LB FLEX BP 1500

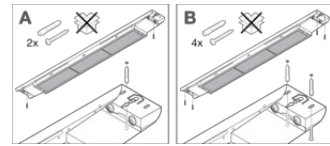
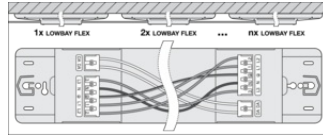
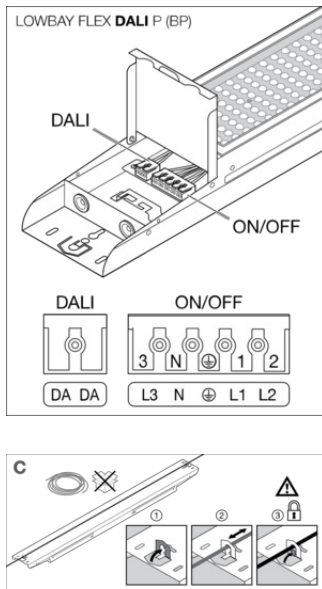
Photometric and lighting design files		Document name
	IES file (IES)	LB FLEX BP 1500 DALI P 105W 840 W
	LDT file (Eulumdat)	LB FLEX BP 1500 DALI P 105W 840 W
	ULD file (DIALux)	LB FLEX BP 1500 DALI P 105W
	ROLF file (RELUX)	LB FLEX BP 1500 DALI
	UGR file (UGR table)	LB FLEX BP 1500 DALI P 105W 840 W
	Light distribution curve type cone	LB FLEX BP 1500 DALI P 105W 840 W
	Light distribution curve type polar	LB FLEX BP 1500 DALI P 105W 840 W
CAD/BIM files		Document name
	BIM Revit 3D	LOW BAY FLEX
	CAD STEP 3D	LB FLEX BP
Tender texts		Document name
	Tender documents	LOW BAY FLEX BALL PROOF DALI 1500 P 105W 840 W -EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075676381	Folding box 1	106 mm x 1,572 mm x 154 mm	6193.00 g	25.66 dm ³
4058075676398	Shipping box 3	1,602 mm x 488 mm x 143 mm	21017.00 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.