

PRODUCT DATASHEET DP HE DA 1500 P 23W 840 IP65

DAMP PROOF HIGH EFFICIENCY DALI | Robust damp-proof luminaires with very high efficiency and DALI-2 technology



Areas of application

- Industrial and storage facilities
- DALI installations
- Workshops, assembly lines
- Passages, underpasses
- Parking garages
- Underground parking





Product benefits

- High compatibility thanks to DALI-2 certification
- Driver suitable for Emergency escape lighting systems acc. to EN 50172
- Uniform light distribution
- Easy upgradeability of light source and driver (EVERLOOP design)
- Enables participation in funding programs in certain countries to replace light source and driver
- Easy installation, no tools required for connection
- Low flicker ≤ 5 %
- Energy savings up to 68 % (compared to luminaires that use fluorescent lamps)

Product features

- Very high luminous efficacy: up to 163 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 25 °C)
- Housing and diffuser material: polycarbonate (PC)
- Compatible to Zhaga Book 26 LED light sources



- Beam angle: 120°
- Protection rating: IP65
- Impact resistance: IK08

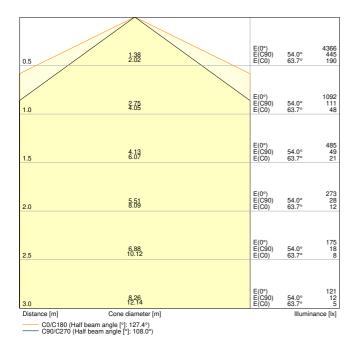
TECHNICAL DATA

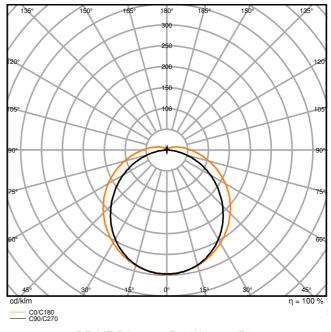
Electrical data

Nominal wattage	23.00 W	
Nominal voltage	220240 V	
Mains frequency	0/50/60 Hz	
Nominal current	110 mA	
Inrush current	8.8 A	
Inrush current time T _{h50}	400 μs	
Max. number of luminaires per miniature circuit breaker B16	32	
Max. number of luminaires per miniature circuit breaker C10	33	
Max. number of luminaires per miniature circuit breaker C16	53	
Power factor λ	> 0.90	
Total harmonic distortion	< 15 %	
Protection class	1	
Operating mode	Integrated LED driver	
Dimming interface	DALI-2 / IoT	

Photometrical data

Luminous flux	3680 lm
Luminous efficacy	160 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	< 4 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	120 °





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Dimensions & Weight

Length	1500.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1616.00 g



Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)

Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20+40 °C	
Temperature range at storage	-20+80 °C	
Type of connection	Screwless terminal, 5-Pole	
Type of protection	IP65	
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	Suspended/Surface	
Mounting location	Ceiling	
Application environment	Indoor	
With light source	Yes	
Replaceable light source	Yes	

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	61000 h
Number of switching cycles	100000

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	150 mA
ECG - Output ripple current	< 5 %

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included	
Type of emergency operation test	None	

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC	
Luminaire with limited surface temperature, "D sign"	Yes	
Ball shot safe	No	
Replaceable light source (EPREL)	Only by an expert	

Additional product data

Product remark	When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime
Added function	EVERLOOP / VIVARES

EQUIPMENT / ACCESSORIES

- Mounting brackets, Antitheft protection, triangle, 2nd cable gland and 2 grommets included
- EVERLOOP luminaire: upgrades and replacements available

Upgrade and replacement components

Components Light Source

Product image	Product name	EAN
	LISOEV 1445X26 64 40W 840 S120 AL	4099854416774

Components Driver

Product image	Product name	EAN	
		9006210779386	

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

User instruction / safety instructions DAMP PROOF HE DALI IP65 Legal information Informationstext 18 Abs 4 ElektroG Legal information Safety Insert G11205497 Legal information Legal information Legal Insert G11231526 Declarations of conformity DP HE Declarations of conformity UKCA DP HE		
Legal information Legal information Legal information Legal information Legal Insert G11205497 Legal information Legal Insert G11231526 Declarations of conformity DP HE		
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Declarations of conformity DP HE		
Declarations of conformity UKCA DP HE		
Certificates ENEC DAMP PROOF HE ON OFF DALI 5TH		
Photometric and lighting design files Document name		
IES file (IES) DP HE DA 1500 P 23W 840 IP65		
LDT file (Eulumdat) DP HE DA 1500 P 23W 840 IP65		
ULD file (DIALux) DP HE DA 1500 P 23W 840 IP65		
ROLF file (RELUX) DP HE DA 1500 P 23W 840 IP65		
UGR file (UGR table) DP HE DA 1500 P 23W 840 IP65		
Light distribution curve type cone DP HE DA 1500 P 23W 840 IP65		
Light distribution curve type polar DP HE DA 1500 P 23W 840 IP65	DP HE DA 1500 P 23W 840 IP65	
CAD/BIM files Document name	Document name	
BIM Revit 3D DP HE		

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854406911	Folding box 1	72 mm x 87 mm x 1,518 mm	1803.00 g	9.51 dm ³
4099854406928	Shipping box	1,538 mm x 196 mm x 256 mm	11551.00 g	77.17 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.