

# PRODUCT DATASHEET DP HE DA 1500 P 40W 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

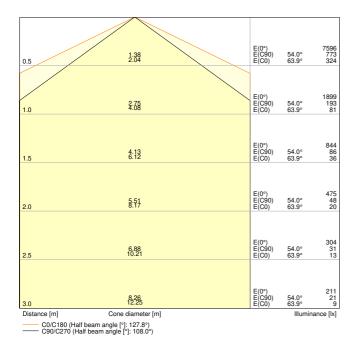
# TECHNICAL DATA

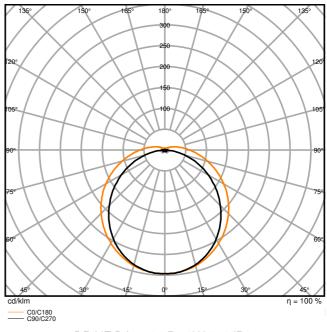
# Electrical data

Nominal wattage	40.00 W
Nominal voltage	220240 V
Mains frequency	0/50/60 Hz
Nominal current	175 mA
Inrush current	8.4 A
Inrush current time T <sub>h50</sub>	450 µs
Max. number of luminaires per miniature circuit breaker B16	31
Max. number of luminaires per miniature circuit breaker C10	32
Max. number of luminaires per miniature circuit breaker C16	52
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 15 %
Protection class	
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

# Photometrical data

Luminous flux	6400 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	

<sup>1)</sup> 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 <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	60000 h
Number of switching cycles	100000

<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	250 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**

	Documents and certificates	Document name	
PDF	User instruction / safety instructions	DAMP PROOF HE DALI IP65	
PDF	Legal information	Informationstext 18 Abs 4 ElektroG	
PDF	Legal information	Safety Insert G11205497	
PDF	Legal information	LSI DAMP PROOF HE DALI	
PDF	Legal information	Legal Insert G11231526	
PDF	Declarations of conformity	DP HE	
PDF	Declarations of conformity UKCA	DP HE	
PDF	Certificates	ENEC DAMP PROOF HE ON OFF DALI 5TH	
	Photometric and lighting design files	Document name	
	IES file (IES)	DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)	DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)  LDT file (Eulumdat)	DP HE DA 1500 P 40W 840 IP65  DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)  LDT file (Eulumdat)  ULD file (DIALux)	DP HE DA 1500 P 40W 840 IP65  DP HE DA 1500 P 40W 840 IP65  DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)  LDT file (Eulumdat)  ULD file (DIALux)  ROLF file (RELUX)	DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)  LDT file (Eulumdat)  ULD file (DIALux)  ROLF file (RELUX)  UGR file (UGR table)	DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)  LDT file (Eulumdat)  ULD file (DIALux)  ROLF file (RELUX)  UGR file (UGR table)  Light distribution curve type cone  Light distribution curve type polar	DP HE DA 1500 P 40W 840 IP65  DP HE DA 1500 P 40W 840 IP65	
	IES file (IES)  LDT file (Eulumdat)  ULD file (DIALux)  ROLF file (RELUX)  UGR file (UGR table)  Light distribution curve type cone	DP HE DA 1500 P 40W 840 IP65	

Tender texts	Document name
Tender documents	DAMP PROOF HIGH EFFICIENCY DALI 1500 P 40W 840 IP65-en

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854406959	Folding box 1	72 mm x 87 mm x 1,518 mm	1803.00 g	9.51 dm <sup>3</sup>
4099854406966	Shipping box	1,538 mm x 196 mm x 256 mm	11551.00 g	77.17 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.

## 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.