

# PRODUCT DATASHEET

## DP HE 5TH 1500 P 73W ML 840 IP65

DAMP PROOF HE 5X THROUGHWIRING | Robust damp-proof luminaires with very high efficiency and 5x2.5mm<sup>2</sup> throughwiring



### Areas of application

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



### Product benefits

- Through-wiring 5x2.5mm<sup>2</sup> already installed
- Uniform light distribution
- Easy upgradeability of light source and driver (EVERLOOP design)
- Enables participation in funding programs 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 164 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 25 °C)
- Housing and diffuser material: polycarbonate (PC)
- Multi Lumen function: power steps selectable
- Compatible to Zhaga Book 26 LED light sources



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

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## TECHNICAL DATA

### Electrical data

Nominal wattage	73 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	450/400/350/300 mA
Inrush current	10.6 A
Inrush current time $T_{h50}$	889 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	14
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	23
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	11680 lm / 10300 lm / 9010 lm / 7780 lm
Luminous efficacy	162 lm/W / 163 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 4 sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	120 °



Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
28,3 W	4000 K	4640 lm	164 lm/W
24 W	4000 K	3900 lm	163 lm/W
21,4 W	4000 K	3460 lm	162 lm/W
17,3 W	4000 K	2810 lm	162 lm/W
14 W	4000 K	2260 lm	161 lm/W

## Dimensions & Weight

Length	1500.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1890.00 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	-25...+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	No
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	90000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	58000 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	450 mA
ECG - Output ripple current	< 5 %

## Emergency lighting

Type of emergency operation test	Automatic
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## Certificates &amp; Standards

Standards	CE / UKCA / EAC / ENEC
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	Available from March 2025 / When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime
Added function	EVERLOOP / MULTI SELECT




## EQUIPMENT / ACCESSORIES













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

## 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
	User instruction / safety instructions	DAMP PROOF HE 5TH IP65
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert G11205497

Documents and certificates		Document name
	Legal information	LSI DAMP PROOF HE THROUGHWIRING
	Legal information	Legal Insert DP HE
	Declarations of conformity	DP HE
	Declarations of conformity UKCA	DP HE
Photometric and lighting design files		Document name
	IES file (IES)	DP HE 5TH 1500 P 73W ML 840 IP65
	LDT file (Eulumdat)	DP HE 5TH 1500 P 73W ML 840 IP65
	ROLF file (RELUX)	DP HE 5TH 1500 P 73W ML 840 IP65
	UGR file (UGR table)	DP HE 5TH 1500 P 73W ML 840 IP65
	Light distribution curve type cone	DP HE 5TH 1500 P 73W ML 840 IP65
	Light distribution curve type polar	DP HE 5TH 1500 P 73W ML 840 IP65
CAD/BIM files		Document name
	BIM Revit 3D	DP HE
	CAD STEP 3D	DP-Gen2 1500

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854480669	Folding box 1	72 mm x 87 mm x 1,518 mm	2077.00 g	9.51 dm <sup>3</sup>
4099854480676	Shipping box 6	1,538 mm x 196 mm x 256 mm	13195.00 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](http://www.ledvance.com/guarantee)

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