PRODUCT DATASHEET
DP HE 5TH 1500 P 40W ML 840 IP65

DAMP PROOF HE 5X THROUGHWIRING | Robust damp-proof luminaires with very high efficiency and 5x2.5mm² throughwiring

Areas of application

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

Product benefits

– Through-wiring 5x2.5mm² 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
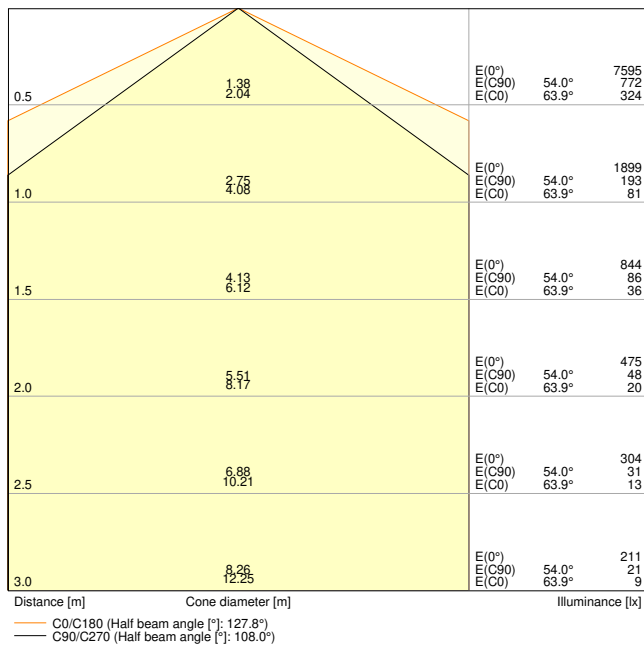– Impact resistance: IK08
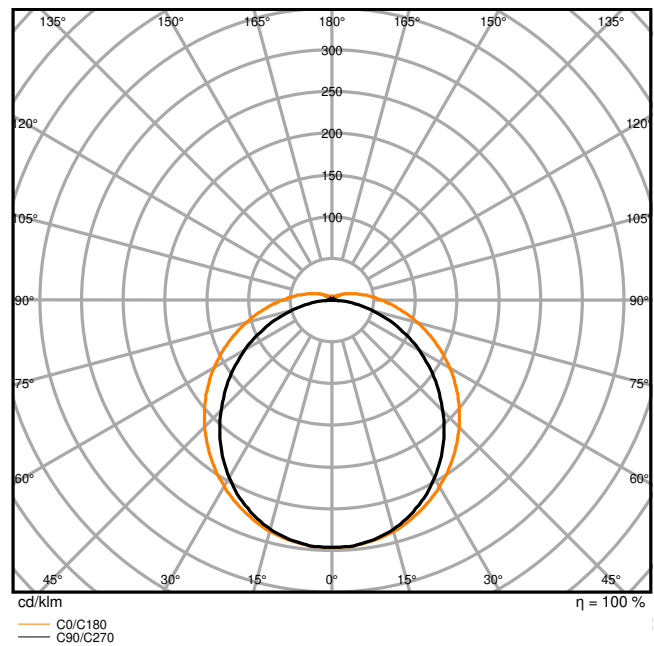
TECHNICAL DATA

Electrical data

Nominal wattage	39.3 W / 35.0 W / 31.1 W / 26.9 W / 23.4 W / 20.0 W / 16.0 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	250/225/200/175/150/125/100 mA
Inrush current	9.8 A
Inrush current time T_{h50}	565 µs
Max. number of luminaires per miniature circuit breaker B16	14
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	25
Power factor λ	> 0.90
Total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	4640 lm / 3900 lm / 3460 lm / 2810 lm / 2260 lm
Luminous efficacy	163 lm/W / 162 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 °

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.38 2.04	E(0°) E(C90) 54.0° E(C0) 63.9°	7595 772 324
1.0	2.75 4.08	E(0°) E(C90) 54.0° E(C0) 63.9°	1899 193 81
1.5	4.13 6.12	E(0°) E(C90) 54.0° E(C0) 63.9°	844 86 36
2.0	5.51 8.17	E(0°) E(C90) 54.0° E(C0) 63.9°	475 48 20
2.5	6.88 10.21	E(0°) E(C90) 54.0° E(C0) 63.9°	304 31 13
3.0	8.26 12.25	E(0°) E(C90) 54.0° E(C0) 63.9°	211 21 9

—— C0/C180 (Half beam angle [°]: 127.8°)
—— C90/C270 (Half beam angle [°]: 108.0°)

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cd/klm η = 100 %
—— C0/C180
—— C90/C270

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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
39,3 W	4000 K	6400 lm	163 lm/W
35 W	4000 K	5700 lm	163 lm/W
31,1 W	4000 K	5070 lm	163 lm/W
26,9 W	4000 K	4360 lm	162 lm/W
23,4 W	4000 K	3810 lm	163 lm/W
20 W	4000 K	3240 lm	162 lm/W
16 W	4000 K	2590 lm	162 lm/W

Dimensions & Weight

Length	1510.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1826.00 g

1500mm **82mm** **68mm**

DAMP PROOF 1500, DALI,
EMERGENCY

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 [1]
Lifespan L80/B10 at 25 °C	70000 h [1]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	60000 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	250 mA
ECG - Output ripple current	< 5 %

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	By the end consumer

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

Documents and certificates	Document name
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 40W ML 840 IP65
LDT file (Eulumdat)	DP HE 5TH 1500 P 40W ML 840 IP65
ULD file (DIALux)	DP HE 5TH 1500 P 40W ML 840 IP65
UGR file (UGR table)	DP HE 5TH 1500 P 40W ML 840 IP65
Light distribution curve type cone	DP HE 5TH 1500 P 40W ML 840 IP65
Light distribution curve type polar	DP HE 5TH 1500 P 40W 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
4099854407031	Folding box 1	72 mm x 87 mm x 1,518 mm	2013.00 g	9.51 dm³
4099854407048	Shipping box 6	1,538 mm x 196 mm x 256 mm	12811.00 g	77.17 dm³

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.