PRODUCT DATASHEET
DP HE 1200 P 29W ML 840 IP65

DAMP PROOF HIGH EFFICIENCY | Robust damp-proof luminaires with very high efficiency

Areas of application

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

Product benefits

– 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 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
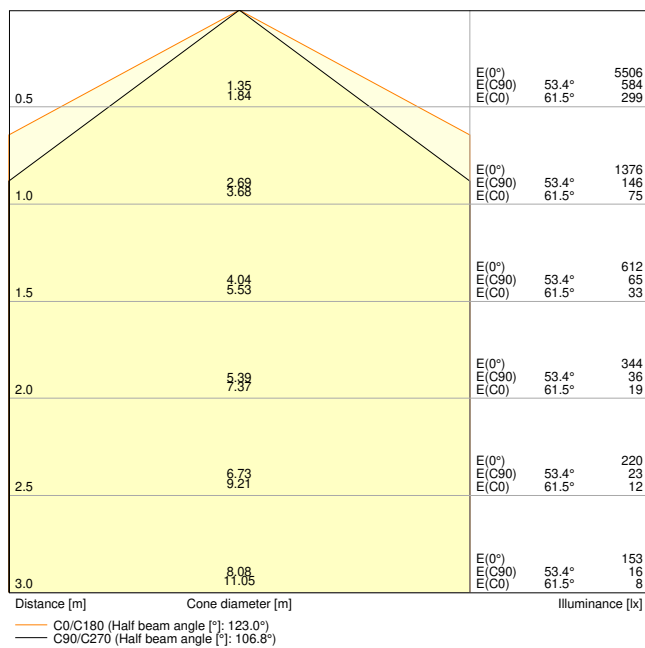
– Impact resistance: IK08
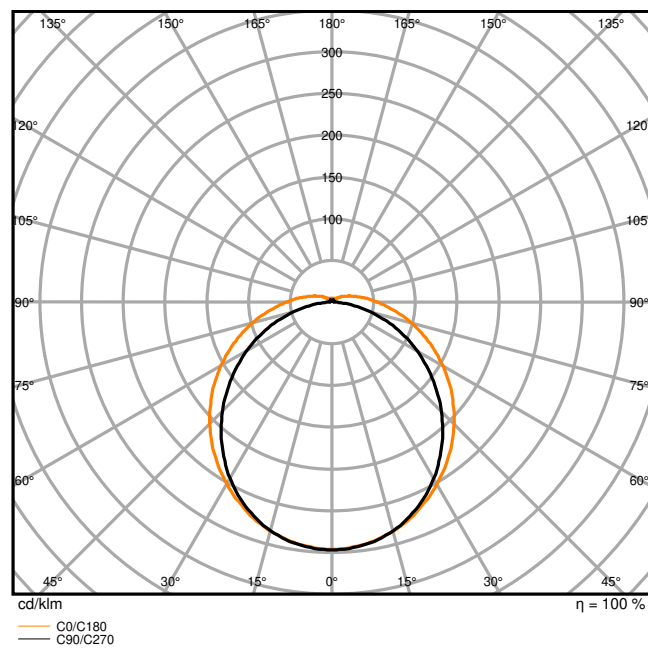
TECHNICAL DATA

Electrical data

Nominal wattage	28.3 W / 24.0 W / 21.4 W / 17.3 W / 14.0 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	200/175/150/125/100 mA
Inrush current	8.1 A
Inrush current time T_{h50}	554 µs
Max. number of luminaires per miniature circuit breaker B16	26
Max. number of luminaires per miniature circuit breaker C10	28
Max. number of luminaires per miniature circuit breaker C16	42
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	4640 lm / 3900 lm / 3460 lm / 2810 lm / 2260 lm
Luminous efficacy	164 lm/W / 163 lm/W / 162 lm/W / 161 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	1.35 1.84	E(0°) E(C90) E(C0)	53.4° 61.5°	5506 584 299
1.0	2.69 3.68	E(0°) E(C90) E(C0)	53.4° 61.5°	1376 146 75
1.5	4.04 5.53	E(0°) E(C90) E(C0)	53.4° 61.5°	612 65 33
2.0	5.39 7.37	E(0°) E(C90) E(C0)	53.4° 61.5°	344 36 19
2.5	6.73 9.21	E(0°) E(C90) E(C0)	53.4° 61.5°	220 23 12
3.0	8.08 11.05	E(0°) E(C90) E(C0)	53.4° 61.5°	153 16 8

— C0/C180 (Half beam angle [°]: 123.0°)
— C90/C270 (Half beam angle [°]: 106.8°)

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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
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	1200.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1410.00 g

68 mm

1200 mm   82 mm
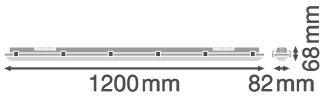
DP S 1200 32W 840 IP65 GY

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	-25…+80 °C
Type of connection	Screwless terminal, 3-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
Replaceable light source	Yes

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	200 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 / MULTI SELECT

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 1145X26 46 29W 840 S120 AL	4099854416750

Components Driver		

Product image	Product name	EAN
	DR DS-P -40/220-240/475 L NSV	4099854258497

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 ONOFF IP65
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205497
PDF	Legal information	LSI DAMP PROOF HE ML
PDF	Legal information	Legal Insert DP HE
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	IES file (IES)	DP HE 1200 P 29W ML 840 IP65
LDT	LDT file (Eulumdat)	DP HE 1200 P 29W ML 840 IP65

	Photometric and lighting design files	Document name
	ULD file (DIALux)	DP HE 1200 P 29W ML 840 IP65
	ROLF file (RELUX)	DP HE 1200 P 29W ML 840 IP65
	UGR file (UGR table)	DP HE 1200 P 29W ML 840 IP65
	Light distribution curve type cone	DP HE 1200 P 29W ML 840 IP65
	Light distribution curve type polar	DP HE 1200 P 29W ML 840 IP65

	CAD/BIM files	Document name
	BIM Revit 3D	DP HE
	CAD STEP 3D	DP Gen2 1200

	Tender texts	Document name
	Tender documents	DAMP PROOF HIGH EFFICIENCY 1200 P 29W ML 840 IP65-en

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854406751	Folding box 1	72 mm x 87 mm x 1,218 mm	1564.00 g	7.63 dm^3
4099854406768	Shipping box 6	1,238 mm x 196 mm x 256 mm	9986.00 g	62.12 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.