

PRODUCT DATASHEET

DP MAX DA 1200 S 43W 840 VW IP69

DAMP PROOF MAX DALI | Tubular damp-proof luminaires with extra high IP, IK protection and DALI-2 technology



SUPERIOR
CLASS

Areas of application

- DALI installations
- Food industry
- Open car parks and underpasses
- Car wash facilities
- Outdoor applications
- Industrial and storage facilities
- Workshops, assembly lines
- Passages, underpasses

Product benefits

- High compatibility thanks to DALI-2 certification
- Driver suitable for Emergency escape lighting systems acc. to EN 50172
- Uniform light distribution
- Versatile applications due to resistance to many chemicals and UV light
- Easy to clean, even at high temperatures with a high-pressure cleaner
- Energy savings up to 68 % (compared to luminaires that use fluorescent lamps)
- Low flicker ≤ 5 %

Product features

- High luminous efficacy: up to 154 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 35 °C)
- Type of protection: IP66, IP69 (80 °C)
- Impact resistance: IK10
- Ammonia resistant
- UV-resistant PMMA diffuser



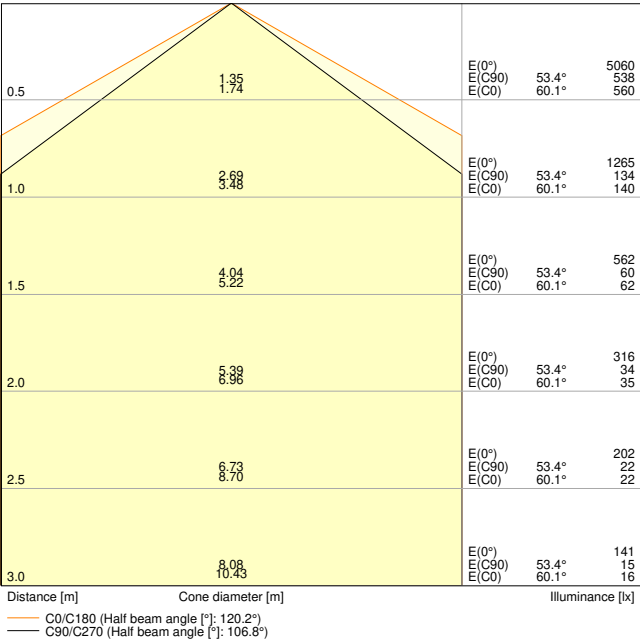
- Compatible to Zhaga Book 7 LED light sources

TECHNICAL DATA**Electrical data**

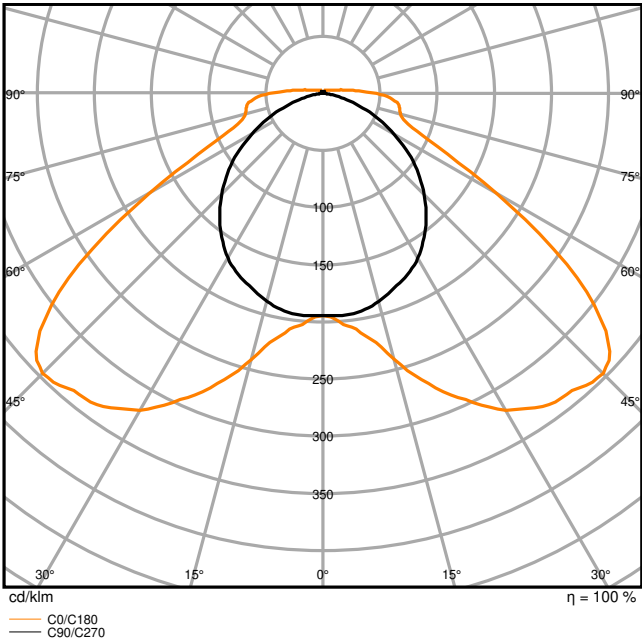
Nominal wattage	43.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	187.000 mA
Inrush current	5 A
Inrush current time T_{h50}	870 μ s
Max. number of luminaires per miniature circuit breaker B16	36
Max. number of luminaires per miniature circuit breaker C10	36
Max. number of luminaires per miniature circuit breaker C16	60
Power factor λ	0.97
Total harmonic distortion	13 %
Protection class	I
Surge capability (L-N)	4 kV
Surge capability (L/N-Ground)	4 kV
Operating mode	Integrated LED driver
Dimming interface	DALI-2

Photometrical data

Luminous flux	6500 lm
Total luminous flux of contained light sources	7200 lm
Luminous efficacy	151 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	133 ° x 107 °
UGR	< 25



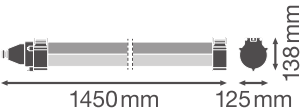
DP MAX DA 1200 S 43W 840 VW IP69 LEDV



DP MAX DA 1200 S 43W 840 VW IP69 LEDV

Dimensions & Weight

Length	1450.00 mm
Width	125.00 mm
Height	138.00 mm
Product weight	4400.00 g



DP MAX 1200 840

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Polymethylmethacrylate (PMMA)
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-40...+45 °C
Temperature range at storage	-40...+45 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP66~IP69K
Protection class IK (shock resistance)	IK10
Dimmable	Yes
Type of dimming	DALI2
Dimming range	1...100 %
Mounting type	Surface/Suspended
Mounting location	Ceiling / Wall
Application environment	Outdoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	75000 h ¹⁾
Lifespan L80/B10 at 25 °C	75000 h ¹⁾
Number of switching cycles	> 200000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L80 / B50 @ 35 °C (Ta)

Control gear

Output current	200...700 mA
ECG - Output ripple current	< 1 %
Recommended control gear	OTi DALI 100/220-240/700 D NFC IND L

Emergency lighting

Type of emergency operation test	None
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Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Accessories Optional

Product image	Product name	EAN
	DP MAX MOUNTING BRACKET CLAMPS V4A	4099854583360
	DP MAX MOUNTING TUBE CLAMPS V4A	4099854583384

EQUIPMENT / ACCESSORIES

- Stainless steel clamps and M25 cable gland included

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 MAX
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	DP MAX DA
	Legal information	Safety Insert G11205497

Documents and certificates		Document name
	Legal information	Legal Insert G11251140
	Declarations of conformity	DP MAX
	Declarations of conformity UKCA	DP MAX
	EU Data Act	DALI LED Driver and Luminaires
Photometric and lighting design files		Document name
	IES file (IES)	DP MAX DA 1200 S 43W 840 VW IP69 LEDV
	LDT file (Eulumdat)	DP MAX DA 1200 S 43W 840 VW IP69 LEDV
	UGR file (UGR table)	DP MAX DA 1200 S 43W 840 VW IP69 LEDV
	Light distribution curve type cone	DP MAX DA 1200 S 43W 840 VW IP69 LEDV
	Light distribution curve type polar	DP MAX DA 1200 S 43W 840 VW IP69 LEDV
CAD/BIM files		Document name
	BIM Revit 3D	DP MAX
	CAD STEP 3D	DP MAX 1200

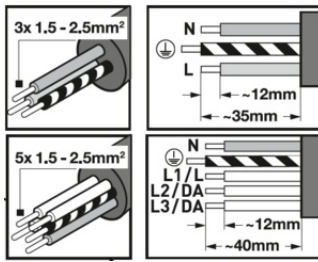
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854538285	Shipping box 1	1,581 mm x 165 mm x 146 mm	5485.00 g	38.09 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.

ADDITIONAL CATALOG INFORMATION





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.