PRODUCT DATASHEET
FL MAX PSU DA P 1800W WAL

FLOODLIGHT MAX POWER SUPPLY | Driver boxes for luminaire power, ensuring optimal connectivity via On/Off, DALI, DMX



PERFOR-
MANCE
CLASS

Areas of application

- Suitable for indoor and outdoor installations
- Ports/logistics: lights deep & wide areas, ideal with C5 corrosion protection

Product benefits

- For extreme temperatures: –40 °C to +50 °C (outdoors), up to +40 °C (indoors)
- Driver box installable up to 150 m from head, central maintenance, reduced mast weight
- Pre-fitted connectors enable quick, waterproof wiring on site (IP66)
- Standardized drivers are always easy to replace for simple maintenance
- Auxiliary DALI power for sensor and control integration, e.g. Smart City
- Optimized logistics: luminaire and driver box can be ordered separately
- Designed for versatile applications with multiple interfaces
- Robust and weatherproof: IP66 / IK08, high C5 corrosion protection for harsh environments

Product features

- Wide voltage range: 200-480V AC
- Driver efficiency: ≤97 %
- Integration: for lighting control, DMX, 0-10V dimming
- Climate membrane protects from water and lets air pass through
- Surge protection: up to 20 kV, improved safety in stadiums
- Protection: lockable driver box prevents tampering

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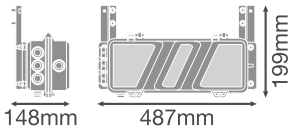
TECHNICAL DATA

Electrical data

Nominal wattage	1800.00 W
Nominal voltage	200…480 V
Mains frequency	0/50/60 Hz
Max. number of luminaires per miniature circuit breaker B16	1
Max. number of luminaires per miniature circuit breaker C16	1
Power factor λ	> 0.94
Protection class	I
Surge capability (L-N)	20 kV
Dimming interface	DALI-2 / DALI D4i / IoT

Dimensions & Weight

Length	487.00 mm
Width	199.00 mm
Height	148.00 mm
Product weight	8900.00 g



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Materials & Colors

Product color	Gray/White aluminum
RAL Color (most similar)	RAL 9006
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	650 °C

Application & Mounting

Ambient temperature range	-40…+50 °C
Temperature range at storage	-40…85 °C

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Type of connection	Cable, 5-pole
Type of protection	IP66
Protection class IK (shock resistance)	IK08
Corrosion resistance class acc. to EN 12944	C5 High
Dimmable	Yes [1)]
Type of dimming	DALI D4i
Dimming range	0…100 %
IoT ready	Support of DALI data type PART 251, 252, 253 [2)]
Replaceable light source	No

1) DMX, 0-10V dimming

2) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

Control gear

ECG lifetime	100000 h

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EPD
Ball shot safe	Yes
EPD	LEDV-00061-V02.01-EN

Additional product data

Added function	VIVARES

Accessories Optional

Product image	Product name	EAN
	FL MAX CONNECTOR BOX	4099854696176
	FL FLEX ADAPTER SOCKET ZHAGA	4099854680076
	FL FLEX ADAPTER SOCKET NEMA	4099854680113

Components for light control

Components Light Control

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Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901

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Product image	Product name	EAN
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111

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Product image	Product name	EAN
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

- Cable glands included and preinstalled in the power supply
- One FL MAX CONNECTOR BOX is required per separately mounted luminaire head and power supply

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	FLOODLIGHT MAX GEN 2
PDF	Legal information	Safety Insert G11205497
PDF	Legal information	G11251566 legal insert
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	FLOODLIGHT MAX GEN 2
PDF	Declarations of conformity UKCA	FLOODLIGHT MAX GEN 2
PDF	Certificates	ENEC FLOODLIGHT MAX GEN 2
PDF	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION FLOODLIGHT MAX GEN 2

	Tender texts	Document name
TXT	Tender documents	FLOODLIGHT MAX POWER SUPPLY 1800W WAL-en

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854681660	Shipping box 1	567 mm x 257 mm x 194 mm	9460.00 g	28.27 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

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