

**WIL-450-W-M12G-0.3U-S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



The WIL-LED lights Family: Only 8mm (9.4mm with magnet) high LED lamp for 24V DC with very high luminous efficacy and high lifespan (greater 60 000h). Very robust construction, by full potting and metal housing - waterproof (IP67). Due to its 6500K light color (daylight) suitable for the various applications. Optionally easily connectable with M12 connection. Due to the low power consumption, a small enough power supply with 24V for operation.

**General ordering data**

Type	WIL-450-W-M12G-0.3U-S
Order No.	<a href="#">2535830000</a>
GTIN (EAN)	4050118547498
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Width	450	Width (inches)	17.716 inch
Height	8 mm	Height (inches)	0.315 inch
Depth	40 mm	Depth (inches)	1.575 inch
Net weight	250 g		

### Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C
Operating temperature	-20 - 60°C		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Cable technical specifications

Cable Material	PUR	Sheathing colour	black
Housing main material	hard anodised aluminium	Cable length	0.3 m
Core cross-section	0.34 mm <sup>2</sup>		

### Connection data

Version	pin, straight	Coding	A
Connection thread	M12	Tightening torque	0.8 Nm
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)		

### Electric data

Rated voltage (text)	24 V DC	Rated current	0,65 A
Power	16.5 W	Dimmable	Yes

### General technical data

Number of LEDs	84	Light colour (CCT)	6500K, White
Luminosity	3,470 cd	Light current	1,260 lm
Emitting angle	40 °	Illumination level	435 lux
Operating life	60.000 h	Type of mounting	Screw mounting
Drill hole spacing	435 mm	Impact resistance	IK05
Protection degree	IP67		

### Material data

Housing main material	hard anodised aluminium	Encapsulation compound	PUR V0
Threaded ring material	PA	Material of end caps	Diecast zinc, nickel-plated

### Standards

Certificate no. (cULus)	E354496
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**Data sheet**

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**Technical data**

**Classifications**

ETIM 6.0	EC001959	ETIM 7.0	EC001959
eClass 9.0	27-11-06-40	eClass 9.1	27-11-06-40
eClass 10.0	27-11-06-40		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Engineering Data [STEP](#)

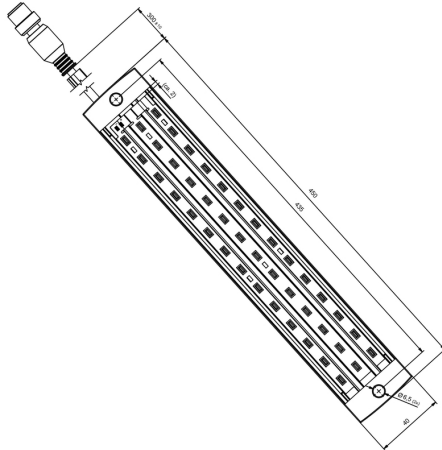
**Data sheet**

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**Drawings**

**Dimensioned drawing**



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**Accessories****Motion sensor screw connection**

Motion detector for the WIL-LED luminaire with screw connection. Switching time adjustable.

**General ordering data**

Type	WIL-BM-SK
Order No.	<a href="#">2537720000</a>
GTIN (EAN)	4050118549157
Qty.	1 pc(s).

**Swivelling holder**

Swivel bracket for WIL lights Very high quality version without detent

**General ordering data**

Type	WIL-SCHWENKHALTER
Order No.	<a href="#">2614220000</a>
GTIN (EAN)	4050118651249
Qty.	1 pc(s).

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**Accessories**

**PUR halogen-free black (U)**



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration. Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application. Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

Type	SAIL-M12BG-3-3.0U	Version	
Order No.	<a href="#">9457820300</a>	Sensor/actuator line, One end without connector, M12, Number of poles :	3, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248228195		
Qty.	1 pc(s).		

**Motion sensor screw connection with cable**



Motion detector for the WIL-LED luminaire in the Jackpac® housing With 3m supply cable and M12 cable for connection to the WIL lamp. Switching time adjustable.

**General ordering data**

Type	WIL-BM-SK-M12-3.0U		
Order No.	<a href="#">2537700000</a>		
GTIN (EAN)	4050118549140		
Qty.	1 pc(s).		

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**Accessories**
**PUR halogen-free black (U)**


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Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.

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**General ordering data**

Type	SAIP-M12BG-3-3.0U	Version	
Order No.	<a href="#">1108730300</a>	Sensor/actuator line, One end without connector, M12, Number of	
GTIN (EAN)	4032248888481	poles : 3, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath	
Qty.	1 pc(s).	material: PUR, Halogen: No	

**Motion sensor Jackpac®**


Motion detector for the WIL-LED luminaire in the Jackpac® housing With 3m supply cable and M12 cable for connection to the WIL lamp. Switching time adjustable.

**General ordering data**

Type	WIL-BM-JP-M12-3.0U
Order No.	<a href="#">2537710000</a>
GTIN (EAN)	4050118549164
Qty.	1 pc(s).

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**Accessories****Door switch**

The WIL door switch is pre-assembled with an M12 cable and an access line. This allows for a simple Plug and Produce feature with our WIL LED lamp series.

**General ordering data**

Type	WIL-TS-M12
Order No.	<a href="#">2537730000</a>
GTIN (EAN)	4050118549188
Qty.	1 pc(s).

**Magnet**

Magnet for WIL lights with 240mm total length, self-adhesive

**General ordering data**

Type	WIL-MAGNET
Order No.	<a href="#">2526810000</a>
GTIN (EAN)	4050118537871
Qty.	1 pc(s).