

**WIL-LWXXXX-6500D024-145MFX0.3BM12GXXXX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

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 - water-proof (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**

Order No.	<a href="#">2545170000</a>
Type	WIL-LWXXXX-6500D024-145MFX0.3BM12GXXXX
GTIN (EAN)	4050118554922
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Depth	40 mm	Depth (inches)	1.575 inch
Height	9.5 mm	Height (inches)	0.374 inch
Width	145 mm	Width (inches)	5.709 inch
Net weight	100 g		

### Temperatures

Operating temperature	-20 - 60°C
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### Cable technical specifications

Cable Material	PUR	Sheathing colour	black
Cable length	0.3 m	Core cross-section	0.34 mm <sup>2</sup>

### Connection data

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

### Electric data

Rated voltage	24 V DC	Rated current	0.162 A
Power	3.9 W	Dimmable	Yes

### General technical data

Electronic equipment on rolling stock	No	Recommended class according to UL for use of an power supply	NEC Class 2
Shape of the LED module	Rectangular	Type of connection	Pre-assembled cable
Number of LEDs	21	Light colour (CCT)	6500K, White
Luminosity	3,470 cd	Light current	340 lm
Emitting angle	40 °	Illumination level	118 lux
Operating life	60.000 h	Type of mounting	Screw mounting, Magnet
Drill hole spacing	130 mm	Impact resistance	IK05
Protection degree	IP67	Efficiency class (according to EU Directive No. 874/2012)	G

### Material data

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

### Classifications

ETIM 6.0	EC000996	ETIM 7.0	EC000996
ETIM 8.0	EC000996	ETIM 9.0	EC000996
ECLASS 9.1	27-11-06-35	ECLASS 10.0	27-11-06-35
ECLASS 11.0	27-11-06-35	ECLASS 12.0	27-11-06-35
ECLASS 13.0	27-11-06-35		

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## Technical data

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	bf1e8170-69bb-4440-b3e0-4da351a9a3b0
EPREL Registration number	1410015

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E354496

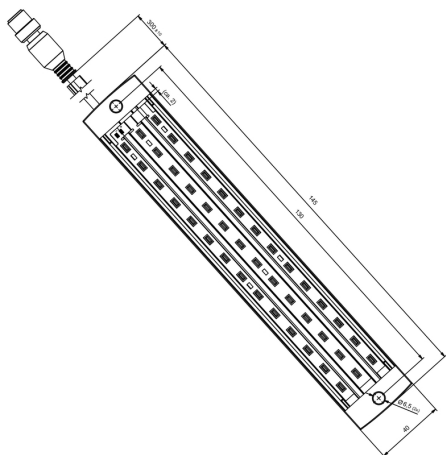
## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Designation key WIL</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings

### Detailed drawing



## Pole scheme



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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.

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.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

## 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 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).

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## Accessories

### Door switch



#### 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).

### Motion sensor screw connection with cable



Motion detector for the WIL-LED luminaire with screw connection, 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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[www.weidmueller.com](http://www.weidmueller.com)**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.

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**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
GTIN (EAN)	4032248228195	poles : 3, 3 m, Female socket, straight, Shielded: No, LED: No, Sheath
Qty.	1 pc(s).	material: PUR, Halogen: No

**Magnet**

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

**Magnet****General ordering data**

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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Straight**

Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

**General ordering data**

Type	SAIB-4/7	Version
Order No.	<a href="#">9457240000</a>	Field attachable connector, M12, Female socket, straight
GTIN (EAN)	4008190312275	
Qty.	1 pc(s).	

Type	SAIS-4/7	Version
Order No.	<a href="#">9457550000</a>	Field attachable connector, M12, pin, straight
GTIN (EAN)	4032248167647	
Qty.	1 pc(s).	

**Motion sensor Jackpac®**

Motion detector for the WIL-LED luminaire with screw connection, 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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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Connect Power INSTA POWER**

The single-phase INSTA-POWER switching power supplies are characterised by a wide power spectrum, compact design and good value for money. They are suitable for temperature ranges from -25°C to +70°C, have international approvals and a wide voltage input range. This makes them suitable for a wide range of applications. This also includes signal and telecommunications systems as well as automation systems with a low power requirement up to 96 Watt.

**General ordering data**

Type	PRO INSTA 30W 24V 1.3A	Version
Order No.	<a href="#">2580190000</a>	Power supply, switch-mode power supply unit, 24 V
GTIN (EAN)	4050118590920	
Qty.	1 pc(s).	

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## Drawings

