

**WIL-LWXXXX-6500D024-555SXX0.3BM12GXXXX****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="#">2535850000</a>             |
| Type       | WIL-LWXXXX-6500D024-555SXX0.3BM12GXXXX |
| GTIN (EAN) | 4050118547511                          |
| Qty.       | 1 pc(s).                               |

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## Technical data

### Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 40 mm  | Depth (inches)  | 1.575 inch |
| Height     | 8 mm   | Height (inches) | 0.315 inch |
| Width      | 555 mm | Width (inches)  | 21.85 inch |
| Net weight | 350 g  |                 |            |

### Temperatures

|                       |            |
|-----------------------|------------|
| Operating temperature | -20 - 60°C |
|-----------------------|------------|

### 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   |
| Number of poles   | 2             | 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 | 0.773 A |
| Power         | 18.6 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                        | 105         | Light colour (CCT)   | 6500K, White        |
| Luminosity                            | 3,470 cd    | Light current  | 1,579 lm            |
| Emitting angle                        | 40 °        | Illumination level   | 544 lux             |
| Operating life                        | 60.000 h    | Type of mounting   | Screw mounting      |
| Drill hole spacing                    | 540 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 | 1234676                              |

## Approvals

Approvals



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

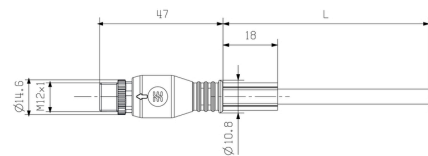
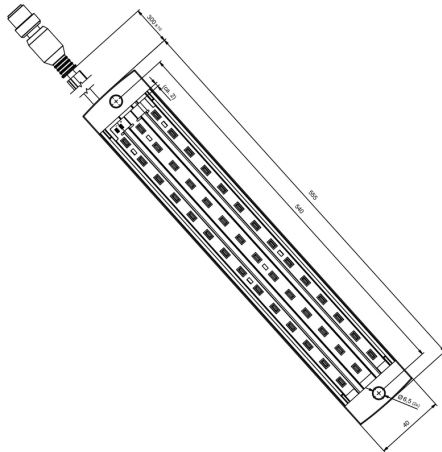
## Downloads

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

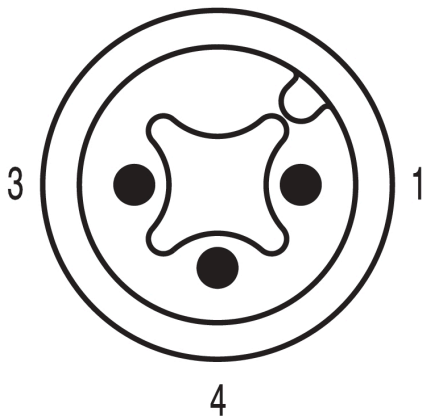
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## Drawings

### Detailed drawing



## Pole scheme



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

**Swivelling holder**

Swivel bracket for WIL lights Very high quality version without detent

**Swivelling holder****General ordering data**

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

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## 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).                   |   |

## 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).                   |  |

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## Accessories

## 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).                   |

## 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   |

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

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

**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).                   |

**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.

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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   |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****WIL power supply**

Power supply IP65 for WIL standard family 85V-264V AC input, 24V DC output 400mA

**Power Supply****General ordering data**

|            |                            |
|------------|----------------------------|
| Type       | WIL-NT-STANDARD            |
| Order No.  | <a href="#">2598350000</a> |
| GTIN (EAN) | 4050118611168              |
| Qty.       | 1 pc(s).                   |

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Drawings

