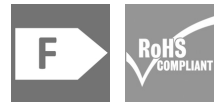


**WIL-LWXXXX-5700D024-145SXX0.3BM12GXXXX****Weidmüller Interface GmbH & Co. KG**

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 5700K light color suitable for the various applications. Very easy to connect thanks to the M12 connection. Due to the low power consumption, a small enough power supply with 24V for operation.

**General ordering data**

|            |                                        |
|------------|----------------------------------------|
| Order No.  | <a href="#">2820220000</a>             |
| Type       | WIL-LWXXXX-5700D024-145SXX0.3BM12GXXXX |
| GTIN (EAN) | 4064675346036                          |
| 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      | 145 mm | Width (inches)  | 5.709 inch |
| Net weight | 168 g  |                 |            |

### Temperatures

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

### Cable technical specifications

|                       |                         |                  |       |
|-----------------------|-------------------------|------------------|-------|
| Cable Material        | PUR                     | Sheathing colour | black |
| Housing main material | hard anodised aluminium | Cable length     | 0.3 m |

### Connection data

|                   |                                                               |                   |         |
|-------------------|---------------------------------------------------------------|-------------------|---------|
| Version           | pin, straight                                                 | Coding            | A-coded |
| Connection thread | M12                                                           | 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 | 0.16 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)                                           | 5700K, Cold white   |
| Light current                                             | 370 lm         | Emitting angle                                               | 40 °                |
| Illumination level                                        | 129 lux        | Operating life                                               | 60.000 h            |
| Type of mounting                                          | Screw mounting | Drill hole spacing                                           | 130 mm              |
| Impact resistance                                         | IK05           | Protection degree                                            | IP67                |
| Efficiency class (according to EU Directive No. 874/2012) | F              |                                                              |                     |

### 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    |
| ETIM 10.0   | 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 |
| ECLASS 14.0 | 27-11-06-35 | ECLASS 15.0 | 27-11-06-35 |

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Germany[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | bf1e8170-69bb-4440-b3e0-4da351a9a3b0 |
| EPREL Registration number            | 1323410                              |

**Approvals**

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

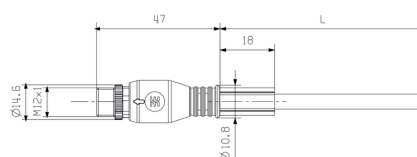
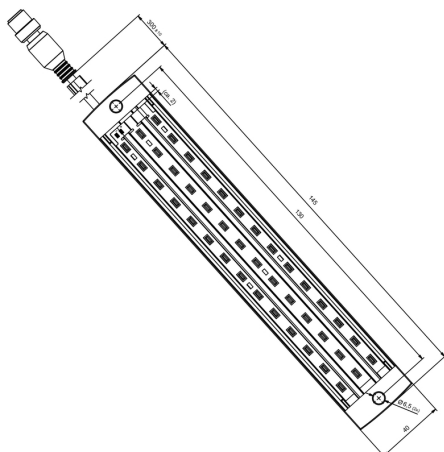
**Downloads**

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

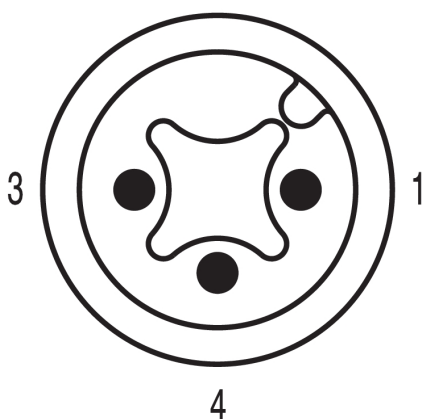
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## Drawings

### Detailed drawing



## Pole scheme



**WIL-LWXXXX-5700D024-145SXX0.3BM12GXXXX**

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## Drawings

