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Москва (495)268-04-70
Мурманск (8152)59-64-93
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
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Санкт-Петербург (812)309-46-40
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Ставрополь (8652)20-65-13
Россия (495)268-04-70

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Тверь (4822)63-31-35
Томск (3822)98-41-53
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<https://weidmuller.nt-rt.ru/> || wde@nt-rt.ru

WIL the industrial light from Weidmüller

Optimal illumination for control cabinets and industrial environments



Easy.
Fast.
Safe.

Weidmüller 

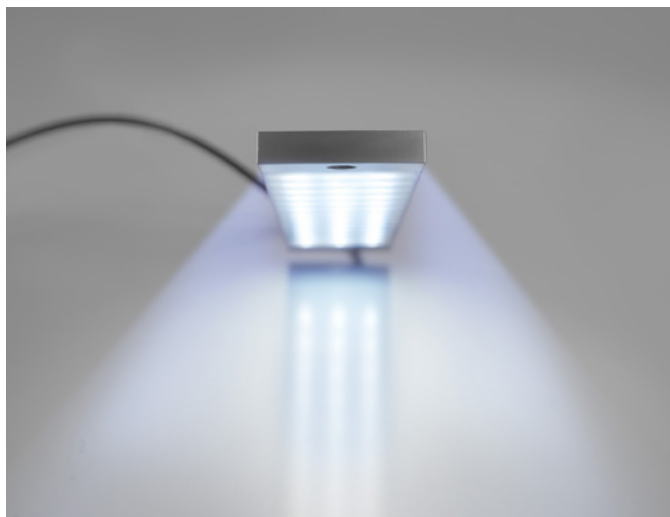
Optimal illumination for control cabinets and field application

Weidmüller Industry Light (WIL) - a solution for all requirements

The control cabinet is often a working area that is poorly lit. There is a demand here for a space-saving, bright yet affordable solution. The WIL all-rounder was developed in close cooperation with the industry and is the answer to its specialist requirements.

The compact LED light illuminates the surroundings with a wide beam of light. Its mounting dimensions perfectly meet the requirements of a standard control cabinet, the robust IP67 housing makes the WIL particularly suitable for industrial use, and means that it can be mounted in the control cabinet or directly in the field.





Easy to connect

With the pre-assembled M12 plug-in connector and 30-cm cable, a plug-and-play connection can be set up for the system. No strands need to be connected separately, which makes installation considerably easier.

Concealed integration possible thanks to flat design

The WIL is easy to "conceal" as it is just 8 mm in height. A folded edge on the control cabinet door may be sufficient to ensure the light is no longer visible from the side.

High-performance and economical

We offer the WIL in different light colours to match the respective application and always with a high luminosity. It is operated with 24 V DC and can be connected directly to a PLC output thanks to its low power consumption.

Robust for excellent durability

The enclosure made of a hard-anodised aluminium continuous cast profile with nickel-plated zinc die cast caps makes the WIL extremely robust. The area providing the lighting is therefore completely cast – without the need for an airtight area with viewing glass that can break.

Wide range thanks to broad beam angle

Three rows of LEDs arranged offset to one another generate a wide, trapezoidal beam angle. This produces a wide lit area without having to turn the light in a specific direction.

Direct and easy to mount

Built-in mounting holes as well as the magnetic fastening allow for simple direct mounting. There are no additional mounting clips, so the installation height is also low.

Perfect fit for the control cabinet

Different lengths allow for the mounting and illumination of a wide variety of control cabinet models.

Protected

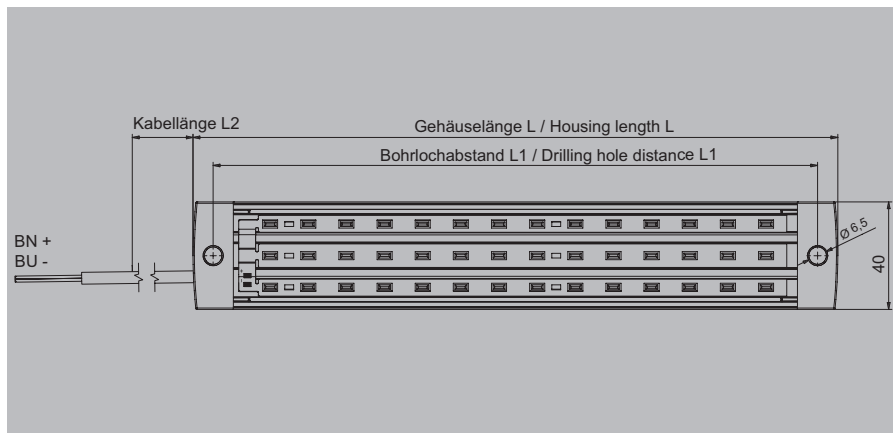
Thanks to its complete casting and M12 connection system, the WIL is watertight and dust-proof and can be used directly in the machine room.



WIL – Weidmüller Industry Light

Light colour 6500K

Black cable, screw connection



Technical data

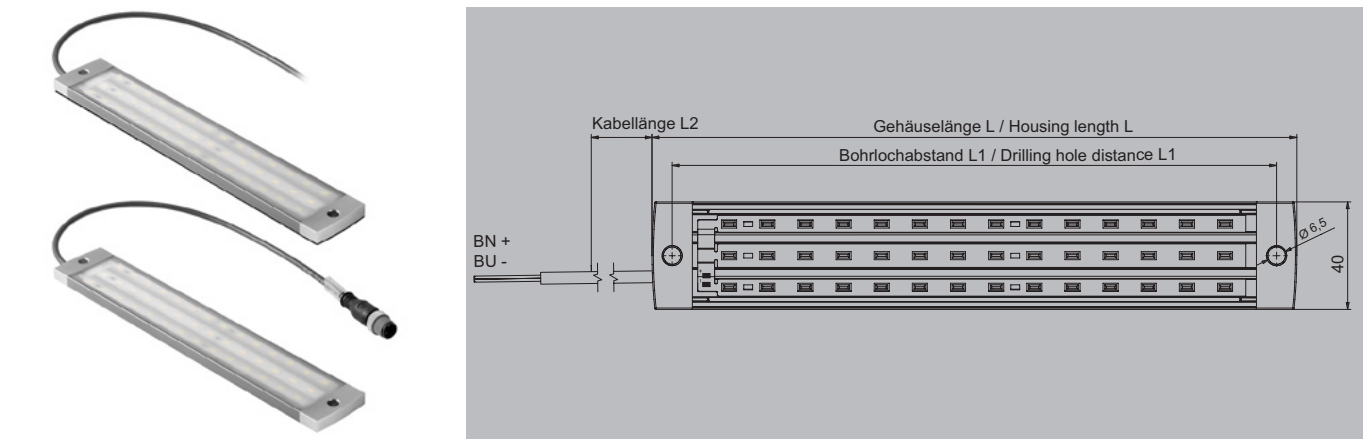
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 145 mm									
WIL-LWXXXX-6500D024-145SXX0.3BM12GXXXX	0.3 m	M12	5.04 W	0,20 A	340 lm	118 lux	130 mm	1	2535770000
WIL-LWXXXX-6500D024-145SXX5.0BXXXXXXX	5 m	without	5.04 W	0,20 A	340 lm	118 lux	130 mm	1	2535800000
Housing length 240 mm									
WIL-LWXXXX-6500D024-240SXX0.3BM12GXXXX	0.3 m	M12	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2436210000
WIL-LWXXXX-6500D024-240SXX1.5BXXXXXXX	1.5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527880000
WIL-LWXXXX-6500D024-240SXX3.0BXXXXXXX	3 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527890000
WIL-LWXXXX-6500D024-240SXX5.0BXXXXXXX	5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527900000
WIL-LWXXXX-6500D024-240SX10.0BXXXXXXX	10 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527910000
WIL-LWXXXX-6500D024-240SXX0.3BM12GM12G	0.3 m	M12 / M12	8,5 W	0,36 A	711 lm	245 lux	225 mm	1	2576960000
Housing length 350 mm									
WIL-LWXXXX-6500D024-350SXX0.3BM12GXXXX	0.3 m	M12	13 W	0,55 A	958 lm	330 lux	335 mm	1	2535810000
WIL-LWXXXX-6500D024-350SXX5.0BXXXXXXX	5 m	without	13 W	0,55 A	958 lm	330 lux	335 mm	1	2535820000
Housing length 450 mm									
WIL-LWXXXX-6500D024-450SXX0.3BM12GXXXX	0.3 m	M12	16.5 W	0,65 A	1260 lm	435 lux	435 mm	1	2535830000
WIL-LWXXXX-6500D024-450SXX5.0BXXXXXXX	5 m	without	16.5 W	0,65 A	1260 lm	435 lux	435 mm	1	2535840000
Housing length 555 mm									
WIL-LWXXXX-6500D024-555SXX0.3BM12GXXXX	0.3 m	M12	20.5 W	0,80 A	1579 lm	544 lux	540 mm	1	2535850000
WIL-LWXXXX-6500D024-555SXX5.0BXXXXXXX	5 m	without	20.5 W	0,80 A	1579 lm	544 lux	540 mm	1	2535860000
Housing length 655 mm									
WIL-LWXXXX-6500D024-655SXX0.3BM12GXXXX	0.3 m	M12	25 W	0,90 A	1933 lm	666 lux	640 mm	1	2535870000
WIL-LWXXXX-6500D024-655SXX5.0BXXXXXXX	5 m	without	25 W	0,90 A	1933 lm	666 lux	640 mm	1	2535880000
Housing length 765 mm									
WIL-LWXXXX-6500D024-765SXX0.3BM12GXXXX	0.3 m	M12	29 W	1,00 A	2177 lm	749 lux	750 mm	1	2535890000
WIL-LWXXXX-6500D024-765SXX5.0BXXXXXXX	5 m	without	29 W	1,00 A	2177 lm	749 lux	750 mm	1	2535900000
Housing length 860 mm									
WIL-LWXXXX-6500D024-860SXX0.3BM12GXXXX	0.3 m	M12	32.5 W	1,10 A	2473 lm	844 lux	845 mm	1	2535910000
WIL-LWXXXX-6500D024-860SXX5.0BXXXXXXX	5 m	without	32.5 W	1,10 A	2473 lm	844 lux	845 mm	1	2535920000
Note									

Light colour 6500K

Black cable, magnet connection



Technical data

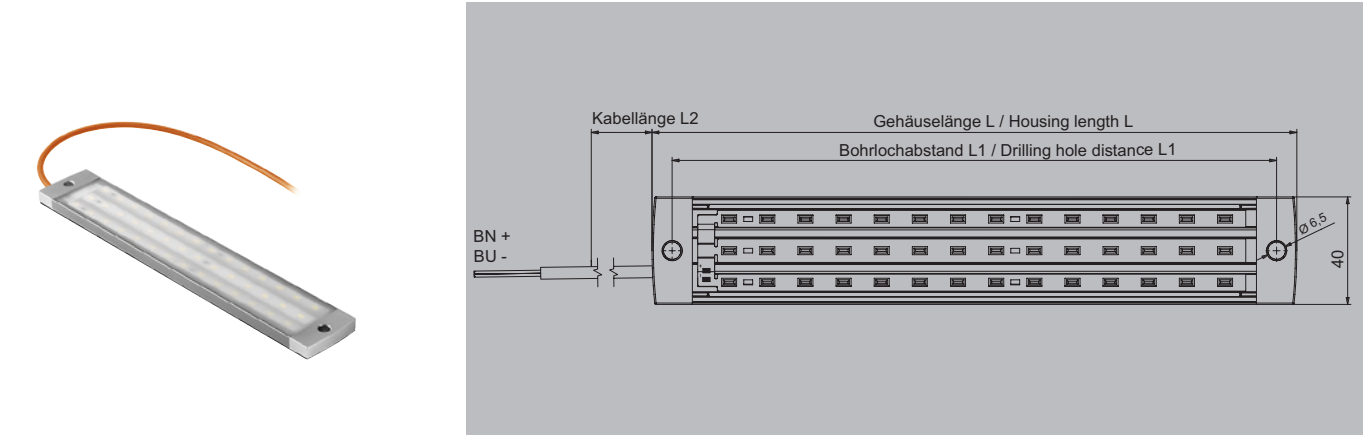
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	9.5 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 145 mm									
WIL-LWXXX-6500D024-145MFX0.3BM12GXXXX	0.3 m	M12	5.04 W	0,20 A	340 lm	118 lux	130 mm	1	2545170000
Housing length 240 mm									
WIL-LWXXX-6500D024-240MFX1.5BM12GXXXX	1.5 m	M12	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2669240000
WIL-LWXXX-6500D024-240MFX1.5BXXXXXXX	1.5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527920000
WIL-LWXXX-6500D024-240MF10.0BXXXXXXX	10 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527950000
WIL-LWXXX-6500D024-240MFX3.0BXXXXXXX	3 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527930000
WIL-LWXXX-6500D024-240MFX5.0BXXXXXXX	5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527940000
Note									

Light colour 6500K

Orange cable, screw connection



Technical data

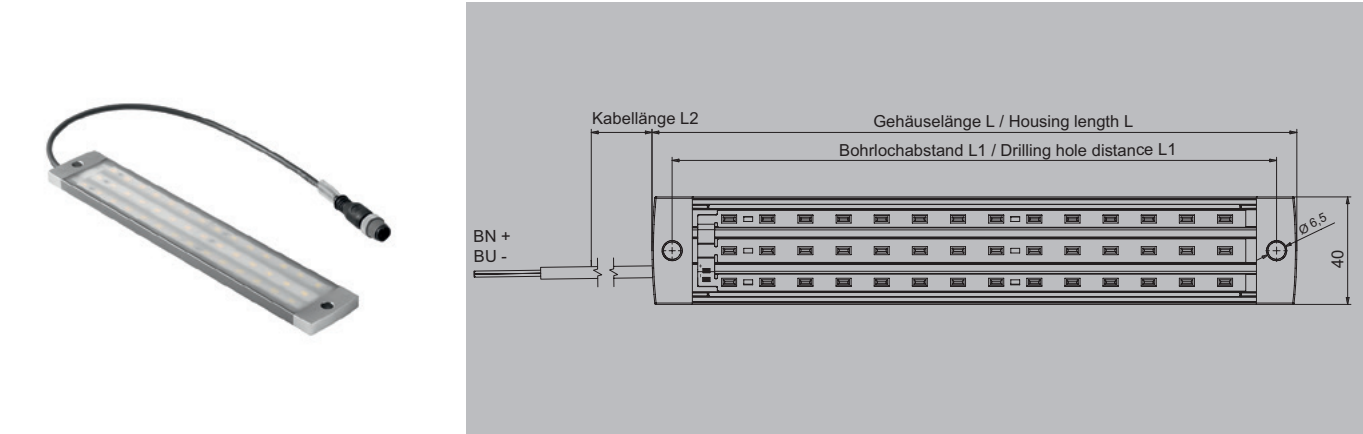
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LWXXXX-6500D024-240SXX1.50XXXXXXXXXX	1.5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527960000
WIL-LWXXXX-6500D024-240SXX3.50XXXXXXXXXX	3 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527970000
WIL-LWXXXX-6500D024-240SXX5.00XXXXXXXXXX	5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527980000
WIL-LWXXXX-6500D024-240SXX10.00XXXXXXXXXX	10 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2527990000
Note									

Light colour 5700K

Black cable, screw connection



Technical data

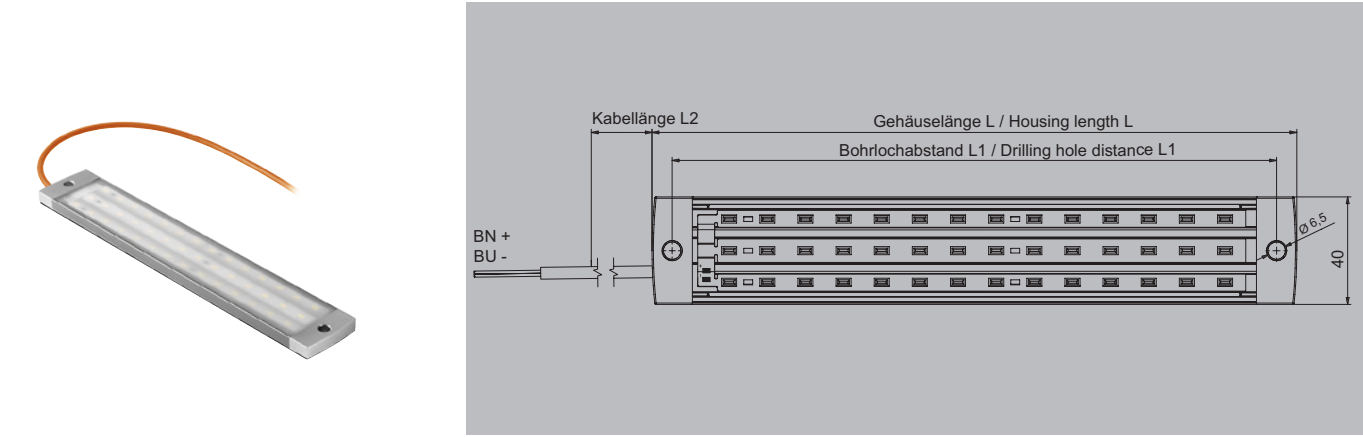
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LWXXXX-5700D024-240SXX0.3BM12GXXXX	0.3 m	M12	8,5 W	0,36 A	660 lm	210 lux	225 mm	1	2614400000
Housing length 350 mm									
WIL-LWXXXX-5700D024-350SXX0.3SM12GXXXX	0.3 m	M12	13 W	0,55 A	1055 lm	370 lux	335 mm	1	2616330000
Note									

Light colour 5700K

Orange cable, screw connection



Technical data

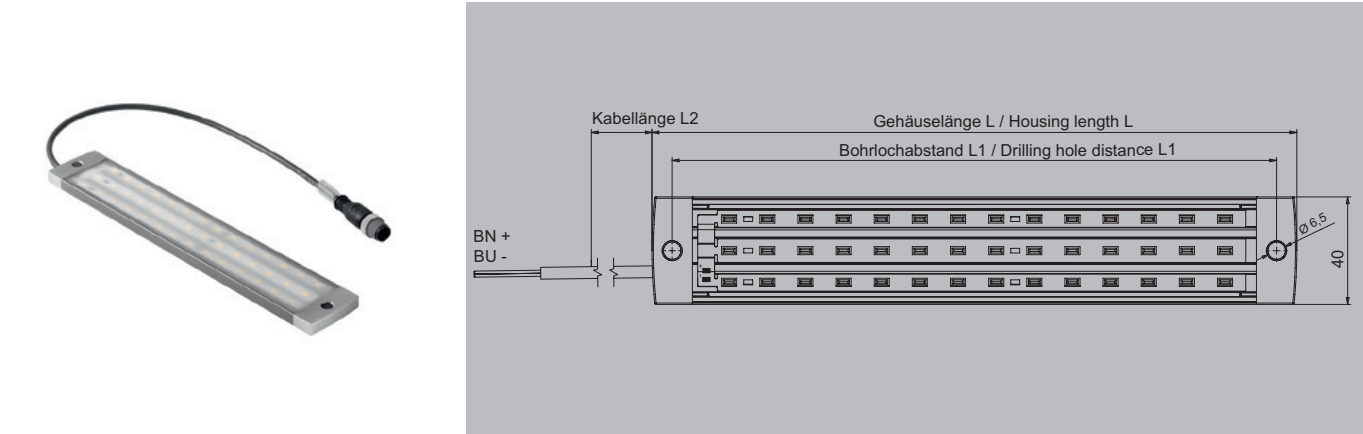
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	9.5 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LWXXXX-6500D024-240MFX1.50XXXXXXXXXX	1.5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2528000000
WIL-LWXXXX-6500D024-240MFX3.00XXXXXXXXXX	3 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2528010000
WIL-LWXXXX-6500D024-240MFX5.00XXXXXXXXXX	5 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2528020000
WIL-LWXXXX-6500D024-240MF10.00XXXXXXXXXX	10 m	without	8,5 W	0,42 A	711 lm	245 lux	225 mm	1	2528030000
Note									

Light colour 5000K

Black cable, screw connection



Technical data

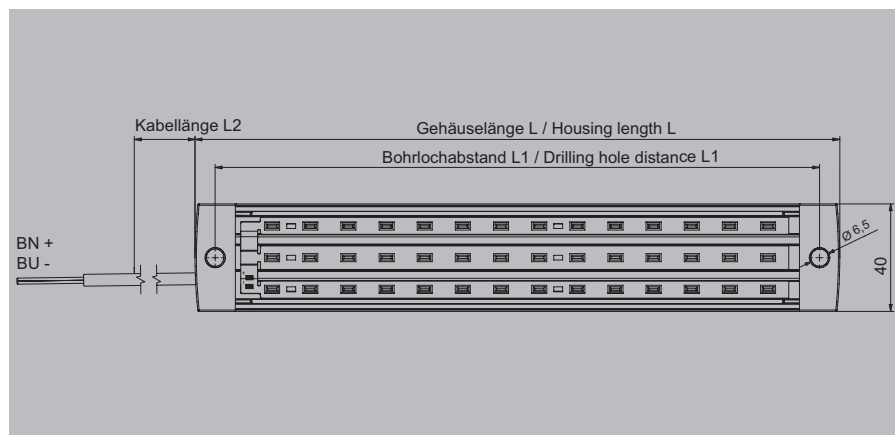
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LWXXXX-5000D024-240SXX0.3BM12GX	0.3 m	M12	8,5 W	0,36 A	660 lm	210 lux	225 mm	1	2793630000
Note									

Light colour 4000K

Black cable, screw connection



Technical data

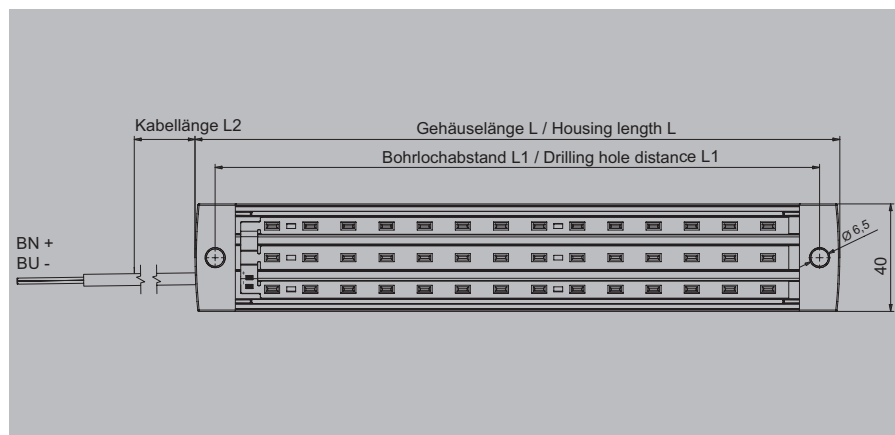
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 145 mm									
WIL-LWXXX-4000D024-145SXX0.3BM12GXXXX	0.3 m	M12	5.04 W	0,20 A	380 lm	130 lux	130 mm	1	2762040000
Housing length 240 mm									
WIL-LWXXX-4000D024-240SXX0.3BM12GXXXX	0.3 m	M12	8,5 W	0,36 A	745 lm	260 lux	225 mm	1	2617810000
WIL-LWXXX-4000D024-240SXX5.0BXXXXXXX	5 m	without	8,5 W	0,36 A	745 lm	260 lux	225 mm	1	2732910000
WIL-LWXXX-4000D024-240SX10.0BXXXXXXX	10 m	without	8,5 W	0,36 A	745 lm	260 lux	225 mm	1	2770730000
Housing length 350 mm									
WIL-LWXXX-4000D024-350SXX0.3BM12GXXXX	0.3 m	M12	13 W	0,55 A	1115 lm	390 lux	335 mm	1	2633680000
WIL-LWXXX-4000D024-350SXX5.0BXXXXXXX	5 m	without	13 W	0,55 A	1115 lm	390 lux	335 mm	1	2732920000
Housing length 555 mm									
WIL-LWXXX-4000D024-555SXX0.3BM12GXXXX	0.3 m	M12	20.5 W	0,65 A	1865 lm	650 lux	540 mm	1	2732860000
WIL-LWXXX-4000D024-555SXX5.0BXXXXXXX	5 m	without	20,5 W	0,65 A	1865 lm	650 lux	540 mm	1	2732940000
Housing length 860 mm									
WIL-LWXXX-4000D024-860SXX0.3BM12GXXXX	0.3 m	M12	32.5 W	1,10 A	2885 lm	650 lux	845 mm	1	2793350000
WIL-LWXXX-4000D024-860SXX5.0BXXXXXXX	5 m	without	32.5 W	1,10 A	2885 lm	650 lux	845 mm	1	2694370000
Note									

Light colour 2700K

Black cable, screw connection



Technical data

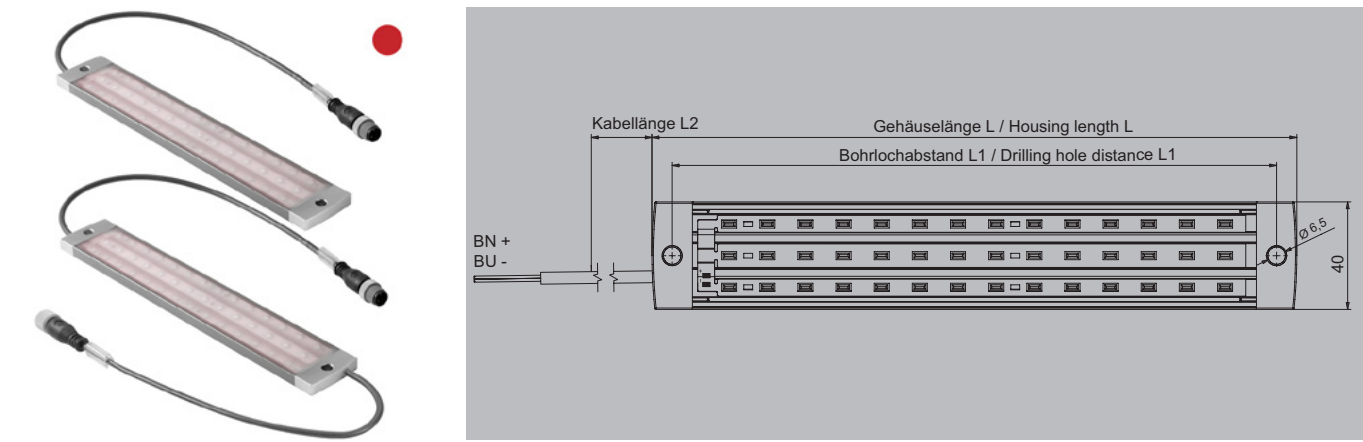
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control white LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LWXXX-2700D024-240SXX0.3BM12GXXXX	0.3 m	M12	8,5 W	0,36 A	600 lm	210 lux	225 mm	1	2633830000
WIL-LWXXX-2700D024-240SXX3.0BXXXXXXX	3 m	without	8,5 W	0,36 A	600 lm	210 lux	225 mm	1	2680950000
Housing length 450 mm									
WIL-LWXXX-2700D024-450SXX0.3BM12GXXXX	0.3 m	M12	16.5 W	0,65 A	1495 lm	525 lux	435 mm	1	2633840000
Housing length 655 mm									
WIL-LWXXX-2700D024-655SXX0.3BM12GXXXX	0.3 m	M12	16.5 W	0,90 A	1405 lm	485 lux	640 mm	1	2550650000
Housing length 860 mm									
WIL-LWXXX-2700D024-860SXX0.3BM12GXXXX	0.3 m	M12	32.5 W	1,10 A	2472 lm	840 lux	845 mm	1	2796070000
Note									

Colour variants

Lamp colour red



Technical data

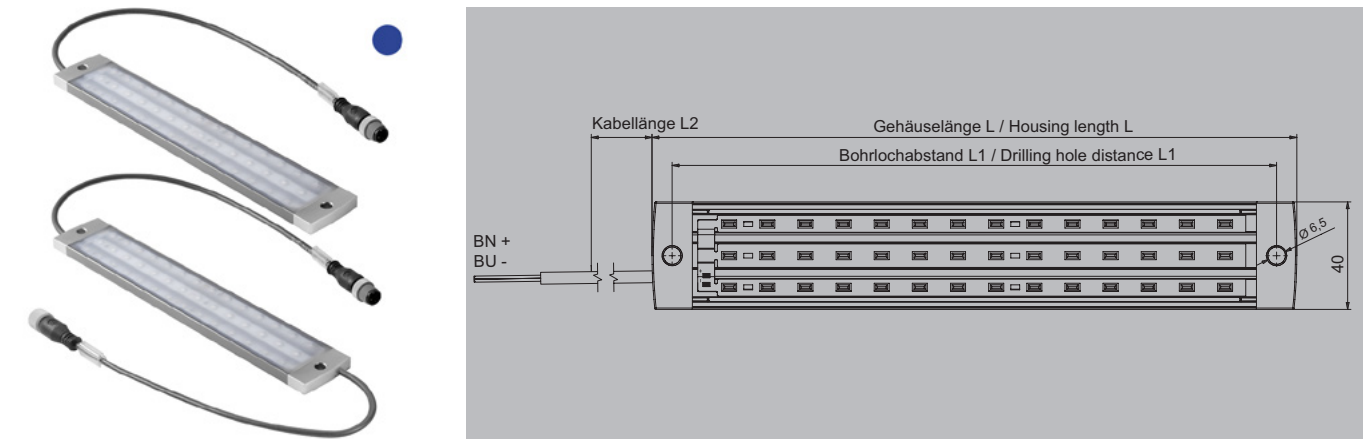
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control red LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LRXXX-WXXXD024-240SXX0.3BM12GM12G	0.3 m	M12 / M12	8,5 W	0,36 A	208 lm	71 lux	225 mm	1	2576980000
WIL-LRXXX-WXXXD024-240SXX0.3BM12GXXX	0.3 m	M12	8,5 W	0,36 A	208 lm	71 lux	225 mm	1	2436340000
Note									

Colour variants

Lamp colour blue



Technical data

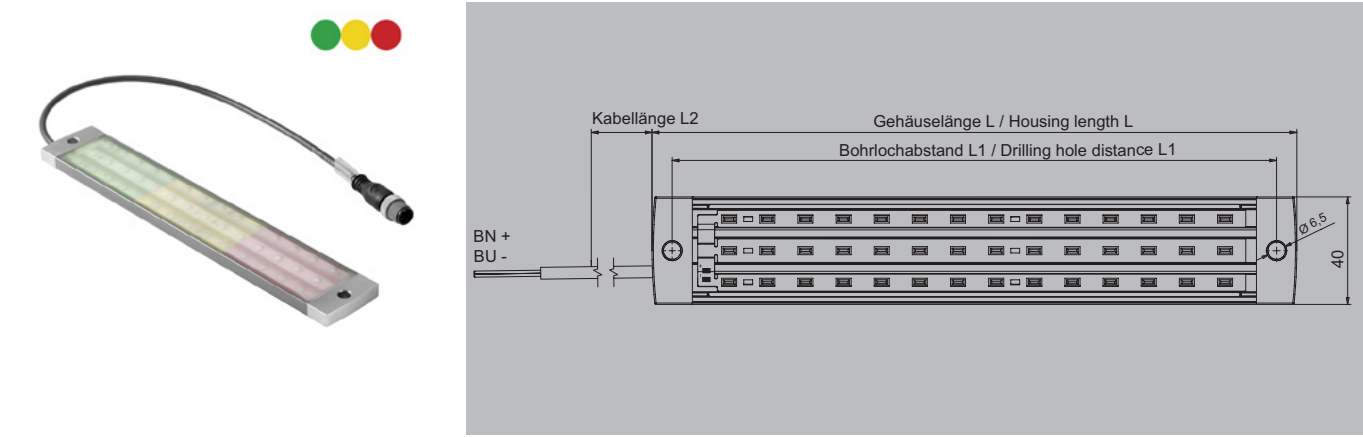
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 4 (Strand: black) control blue LED, Pin 3 (Strand: blue)
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE; cULus
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LBXXXX-WXXXD024-240SXX0.3BM12GM12G	0.3 m	M12 / M12	8,5 W	0,36 A	98 lm	34 lux	225 mm	1	2576970000
WIL-LBXXXX-WXXXD024-240SXX0.3BM12GXXXX	0.3 m	M12	8,5 W	0,36 A	98 lm	34 lux	225 mm	1	2436350000
Note									

Colour variants

Lamp colour red, yellow, green



Technical data

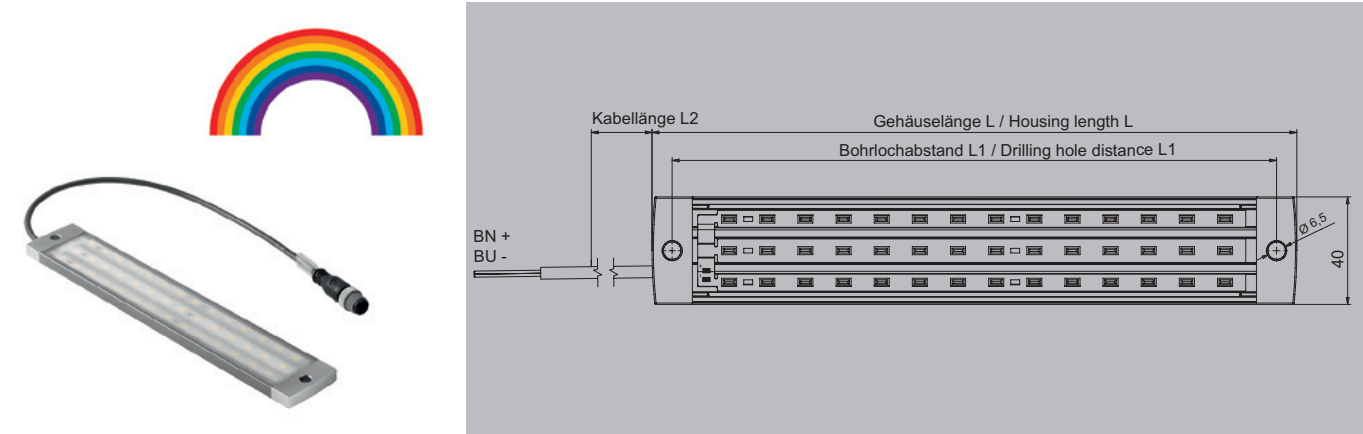
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 1 (Strand: brown) control red LED, Pin 2 (Strand: white) control yellow LED, Pin 3 (Strand: blue), Pin 4 (Strand: black) control green LED
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE
Note	

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LRYGXX-XXXX024-240SXX0.3BM12GXXXX	0.3 m	M12	8,5 W	0,36 A			225 mm	1	2625240000
Note									

Colour variants

Colour space adjustable



Technical data

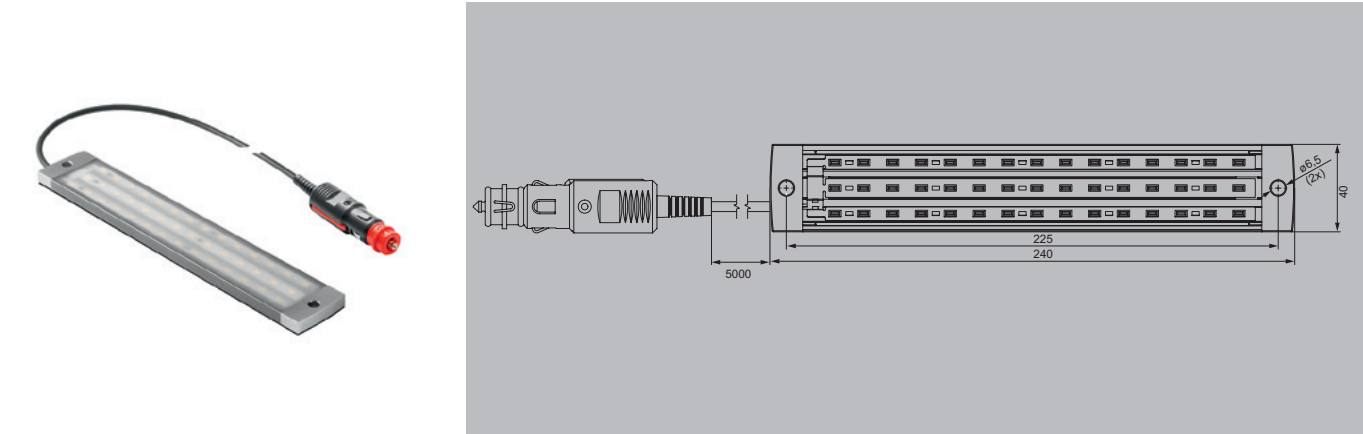
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Wiring	Pin 1 (Strand: brown) control red LED, Pin 2 (Strand: white) control green LED, Pin 3 (Strand: blue), Pin 4 (Strand: black) control blue LED, Pin 5 (Strand: grey) control white LED
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	8 mm
Recommended class according to UL for use of an power supply	NEC Class 2
Approvals	CE
Note	Each color (red, green, yellow, white) can be controlled individually or PWM modules can be used to create a mixed color. It should be noted that the total current must not be higher than 1A.

Ordering data

Type	Cable length	Connection thread	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LRGBWX-XXXX024-240SXX0.3BM12GX	0.3 m	M12	8,5 W	0,36 A	760 lm	265 lux	225 mm	1	2635090000
Note									

Special variants

With 12 V car plug



Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)	12 V DC
Wiring	Blue -, Brown +
Protection degree	IP67
Impact resistance	IK05
Depth	40 mm
Height	9.5 mm
Recommended class according to UL for use of an power supply	
Approvals	CE
Sheathing colour	black
Type of mounting	Magnet
Note	

Ordering data

Type	Cable length	Version	Power	Rated current	Light current	Illumination level	Drill hole spacing	Qty.	Order No.
Housing length 240 mm									
WIL-LWXXXX-6500D012-240MFX5.0BCVPXXXX	5 m	Car cigarette lighter	8,5 W	0,70 A	711 lm	245 lux	225 mm	1	2548620000
Note									

Accessories

Motion sensors without cable

Motion sensors with cable



Ordering data

Type	Qty.	Order No.
WIL-BM-SK	1	2537720000
Note		

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	< 6.0 A
Dwell time, min. / max.	1...10 min
Detection range	0...8m / Configurable: No
Detection area (angle)	120 °
Wiring	PIN 4: + (black), PIN 3: - (blue)
Protection degree	IP20
Depth	44 mm
Width	76 mm
Height	33 mm
Note	

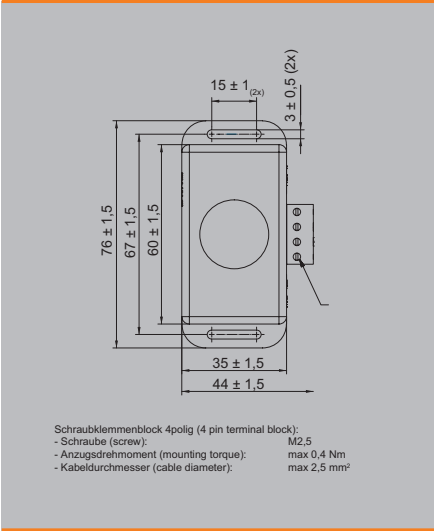
Type	Qty.	Order No.
WIL-BM-SK	1	2537720000

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	< 6.0 A
Dwell time, min. / max.	1...10 min
Detection range	0...8m / Configurable: No
Detection area (angle)	120 °
Wiring	PIN 4: + (black), PIN 3: - (blue)
Protection degree	IP20
Depth	44 mm
Width	76 mm
Height	33 mm
Note	

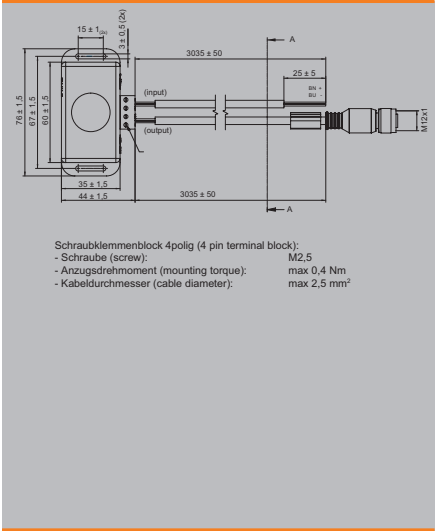
Type	Qty.	Order No.
WIL-BM-SK-M12-3.0U	1	2537700000

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	< 6.0 A
Dwell time, min. / max.	1...10 min
Detection range	0...8m / Configurable: No
Detection area (angle)	120 °
Wiring	PIN 4: + (black), PIN 3: - (blue)
Protection degree	IP20
Depth	44 mm
Width	76 mm
Height	33 mm
Note	

Dimensioned drawing



Dimensioned drawing



Accessories

Motion sensors with cable

JACKPAC®



Ordering data

Note

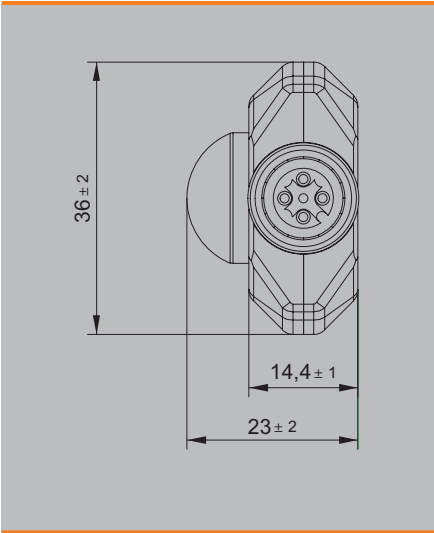
Type	Qty.	Order No.
WIL-BM-JP-M12-3.0U	1	2537710000

Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)
Rated current
Dwell time, min. / max.
Detection range
Detection area (angle)
Wiring
Protection degree
Depth
Width
Height
Note

24 V DC
< 3.0 A
2...360 sec
0.1...7m / Configurable: Yes
110 °
PIN 4: + (black), PIN 3: - (blue)
IP20
36 mm
51 mm
23 mm

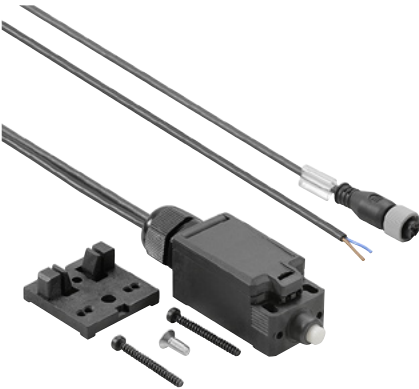
Dimensioned drawing



Accessories

Door switch

Power supply



Ordering data

Type	Qty.	Order No.
WIL-TS-M12	1	2537730000
Note		

Type	Qty.	Order No.
WIL-TS-M12	1	2537730000

Type	Qty.	Order No.
WIL-NT-STANDARD	1	2598350000

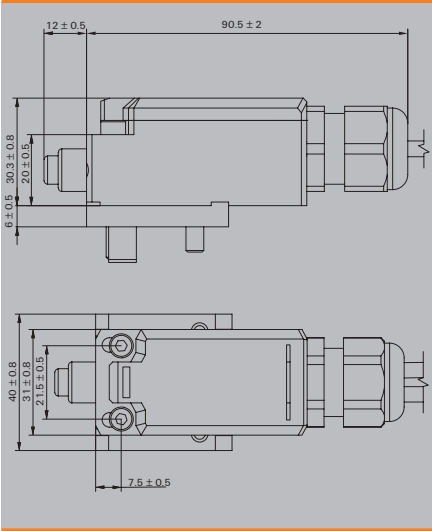
Technical data

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	1.5 A
Wiring	PIN 4: + (black), PIN 3: - (blue)
Protection degree	IP67
Depth	40 mm
Width	102.5 mm
Height	36.3 mm
Note	

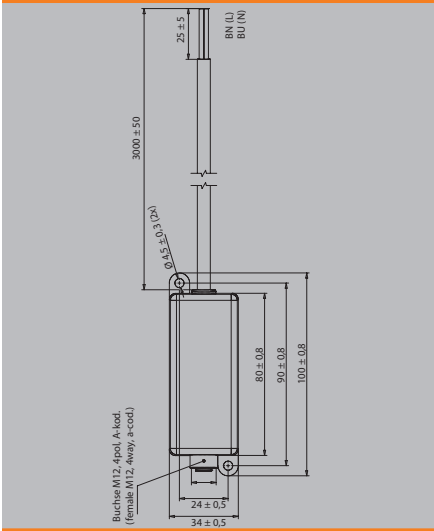
Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	1.5 A
Wiring	PIN 4: + (black), PIN 3: - (blue)
Protection degree	IP67
Depth	40 mm
Width	102.5 mm
Height	36.3 mm

Rated voltage (acc. to VDE standard 0110 ISO Group C)	24 V DC
Rated current	1,10 A
Protection degree	IP65 when locked
Depth	34 mm
Width	100 mm
Height	32 mm
Only suitable for housing lengths 145 mm and 240 mm	

Dimensioned drawing



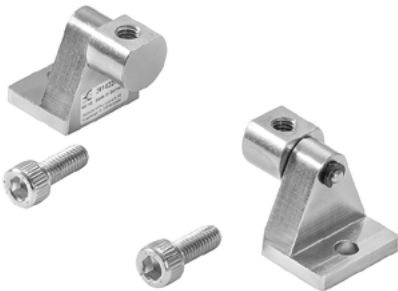
Dimensioned drawing



Accessories

Magnet

Swivelling holder



Ordering data

Note

Type	Qty.	Order No.
WIL-MAGNET	1	2526810000

Type	Qty.	Order No.
WIL-SCHWENKHALTER	1	2614220000

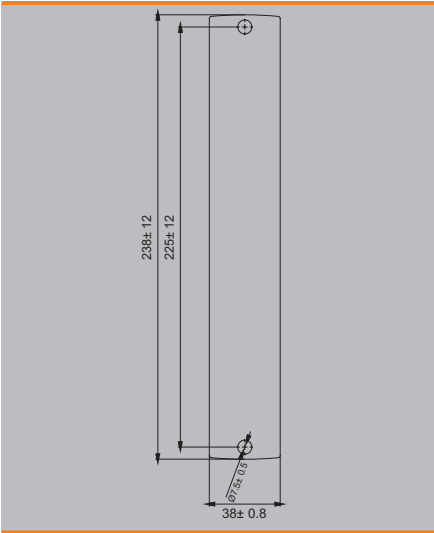
Technical data

Depth
Width
Height
Note

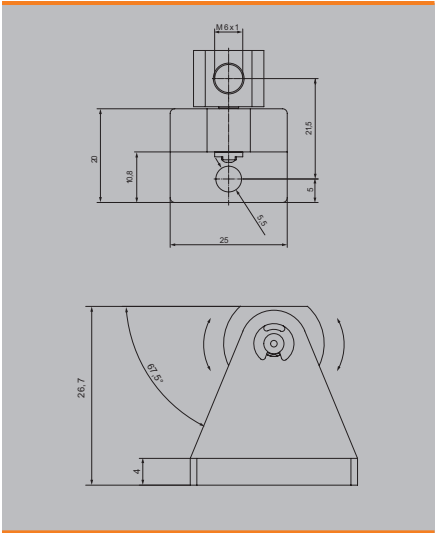
38 mm
238 mm
1.5 mm

20 mm
32.5 mm
26.7 mm

Dimensioned drawing



Dimensioned drawing



The WIL Family



Designation key

WIL - LRXXXX		- XXXX		D	024	- 450	MF	X5.0		O	M12WM12W					
LWXXXX	LED white	2700	2700 Kelvin	A	AC 012	12 V	145	145 mm	MF	Magnet mounting	X0.3	elec. wire 0.3 m	O	orange wire	M12GXXXX	M12 male straight
LBXXXX	LED blue	4000	4000 Kelvin	D	DC 024	24 V	240	240 mm	SX	screw mounting	X1.5	elec. wire 1.5 m	B	black wire	M12GM12G	M12 male straight to M12 female straight
LGXXXX	LED green	5700	5700 Kelvin	...	...	...	350	350 mm	MP	magnetic point mounting	X3.0	elec. wire 3.0 m	G	green wire	M12WXXXX	M12 angled male
LRXXXX	LED red	6500	6500 Kelvin	...	...	...	450	450 mm	CX	clip mounting	X5.0	elec. wire 5.0 m	...	...	M12GM12W	M12 male angled straight to M12 female
LYXXXX	LED yellow	WXXX	different wavelengths	...	...	...	555	555 mm	...	...	10.0	elec. wire 10 m	...	...	M12WM12W	M12 angled male to M12 female angled
LRYGXX	LED (red, yellow, green)	XXXX	place holder	...	...	...	655	655 mm	...	...	...	...	...	...	CVPXXXXX	Cigarette vehicle plug
LRGBXX	LED (red, green, blue)	...	...	...	...	...	765	765 mm	...	...	...	...	...	...	XXXXXXX	open cable end
LRGBWX	LED (red, green, blue, white)	...	...	...	...	...	860	860 mm	...	...	...	...	...	...	...	...
...

LED expertise

Lumen

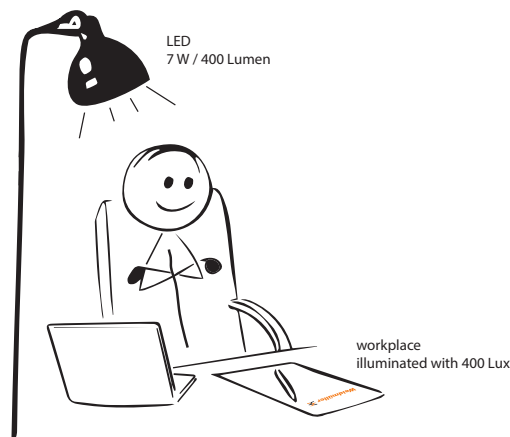
The unit lumen denotes the total light output of a light source.

This light output is called luminous flux. Luminous flux is measured per watt, and is used for the quality assurance of light sources.

Lux

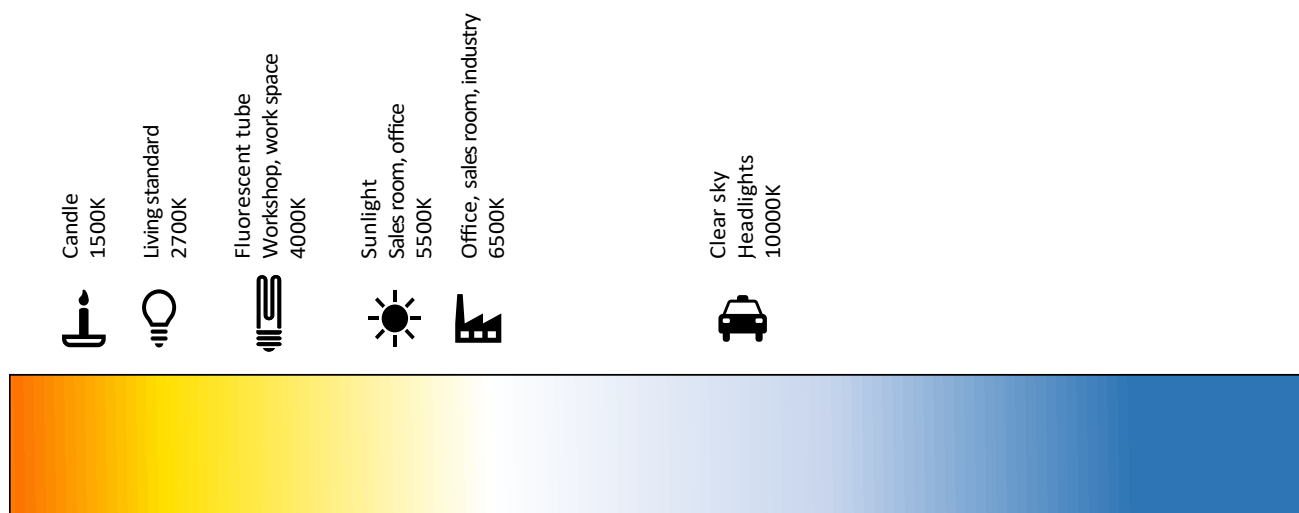
The lux unit is more limited and precise than the lumen unit.

This unit is used to calculate the amount of light (luminous flux) that falls on a certain, clearly defined area. This could be a tabletop or a sheet of paper for example.



Kelvin

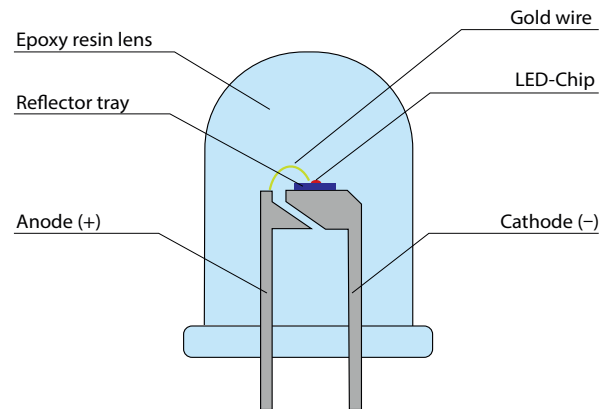
The kelvin unit indicates the colour temperature of a light source. The kelvin value of a lamp indicates whether the lamp emits warm light or cool light. A lamp with a low kelvin value provides warm white light. The higher the kelvin value, the cooler the lighting effect.



Structure of a standard LED vs. an SMD-LED

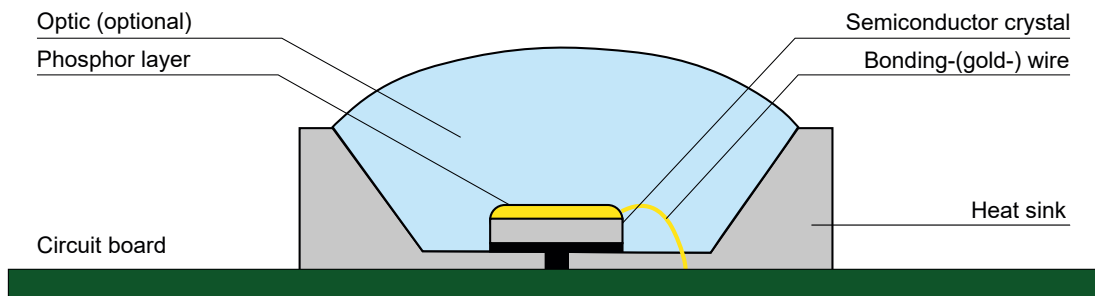
Standard LED

Mostly familiar from hobby applications and model building. It is suitable for smaller setups and hand soldering. It is therefore suitable for manual production in small quantities; it is not suitable for automatic assembly in large quantities and is therefore also unsuitable for higher light production.



SMD LED

The SMD LED is used in industrial applications and therefore also in WIL. It is available as a reel-packaged product, has a significantly flatter design than a standard LED and is therefore suitable for automatic assembly and soldering processes. Due to the flat design, the SMD LED is also optimally suited for casting technology.



What is an RGB LED and what is an RGBW LED?

LEDs are small, powerful lights that are used in many different applications. An RGB LED is a combination of 3 LEDs with different colours:

- 1x red LED
- 1x green LED
- 1x blue LED

By mixing these colours, millions of different colours can be depicted.

RGBW LEDs also have a single-colour white LED which allows them to reproduce a pure/clear white instead of a mixed white.

Our WIL also has this additional possibility to output pure white.

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