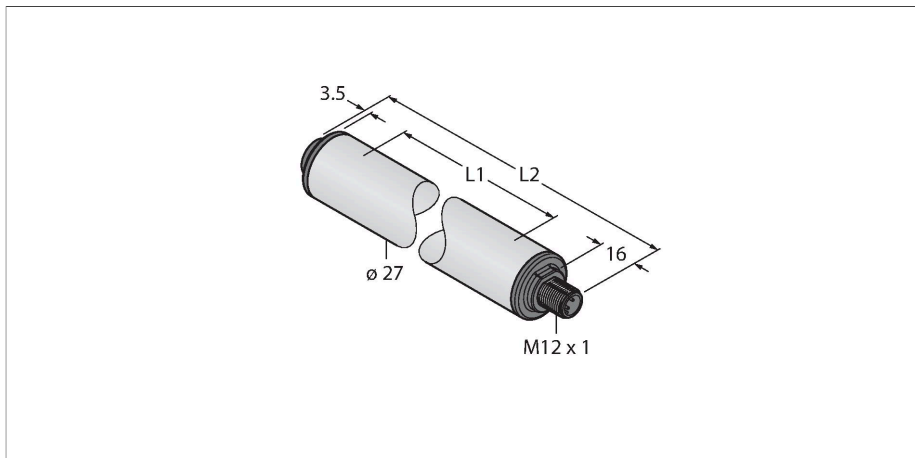


# WLS27XWGRYB5-0850DS24Q

## Work Light – Linear Light



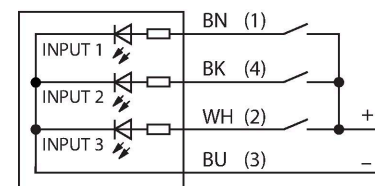
### Technical data

Type	WLS27XWGRYB5-0850DS24Q
ID	3802091
<b>Signal and display data</b>	
Purpose	LED work light
Function	Linear light
Light type	White Green Red Yellow Blue
LED service life (L70)	50000 h
Dimmable	no
Features of color 1	White, Permanently on, 100 %, 1950 lm
Features of color 2	Green, Permanently on, 100 %, 1200 lm
Features of color 3	Red, Permanently on, 555 lm
Features of color 4	Yellow, Permanently on, 1710 lm
Features of color 5	Blue, Permanently on, 375 lm
Special features	Chemical-resistant Wash down Resistant to chemicals
<b>Electrical data</b>	
Operating voltage	21.6...28.8 VDC
Max. current consumption per color	1200 mA
Input power	22.08 W
<b>Mechanical data</b>	
Cascadable	No
Design	Smooth barrel, WLS27
Dimensions	Ø 27 x 912.5 x 914.5 x 914.5 mm
Housing material	Plastic, FDA copolyester

### Features

- Cylindrical illuminated area
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 x 1 male, straight, 4-pin
- Light length L1: 850 mm
- Housing length L2: 912.5 mm
- Colors: White (COL 1), Green (COL 2), Red (COL 3), Yellow (COL 4), Blue (COL 5)
- Automatic temperature monitoring
- FDA compliant
- 2 x LMBWLS27EC snap bracket included in delivery

### Wiring diagram



### Functional principle

The energy-efficient LED work lights are ideally suited for industrial applications. The color temperature is between 6,000 and 7,100 Kelvin (cool white). Depending on the model, the luminous flux is 325 or 2600 lumen. The device is switched on/off upon application of power (12...30 VDC). In addition, the light can be dimmed to 50% of its power by triggering a high signal on PIN 4. When using 2-color variants, it is switched between the colors. On some models the light output is continuously dimmable via a PWM signal on pin 4. Cascadable variants are also available. Available colors are cold white, warm white, green, red, yellow and blue.

## Technical data

Window material	Copolyester, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-40...+50 °C
Storage temperature	-40...+70 °C
Protection class	IP66 IP67 IP69

Input 1: Pin 1 Brown Wire	Input 2: Pin 4 Black Wire	Input 3: Pin 2 White Wire	LED Color
—	—	—	Light OFF
+24 V dc	—	—	Color 1 ON
—	+24 V dc	—	Color 2 ON
—	—	+24 V dc	Color 3 ON
+24 V dc	+24 V dc	—	Color 4 ON
+24 V dc	—	+24 V dc	Color 5 ON
—	+24 V dc	+24 V dc	Light OFF
+24 V dc	+24 V dc	+24 V dc	Light OFF

Protection class for electrical equipment III

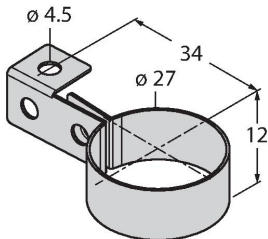
### Tests/approvals

## Accessories

LMBWLS27H

3094776

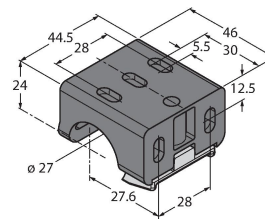
Hanging bracket for WLS27



LMBWLS27U

3094775

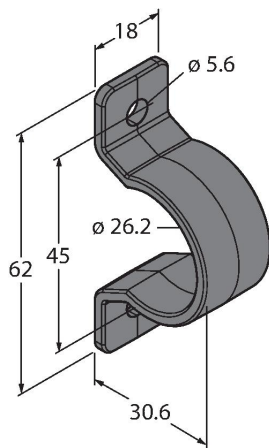
Universal mounting bracket for WLS27



LMBWLS27EC

3094774

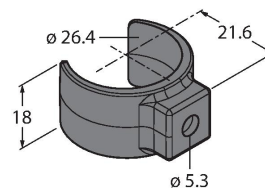
Snap bracket for WLS27



LMBWLS27SP

3094773

Snap bracket for WLS27



## Accessories

Dimension drawing

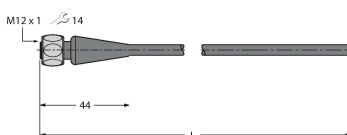
Type

ID

RKH4.5-2/TFG

6933455

Connection cable, M12 female, straight, 5-pin, stainless steel coupling nut, cable length: 2 m, jacket material: TPE, gray, temperature range -40...+105 °C; other cable lengths and designs available, see [www.turck.com](http://www.turck.com)



Dimension drawing	Type	ID	
	RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>
	WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>