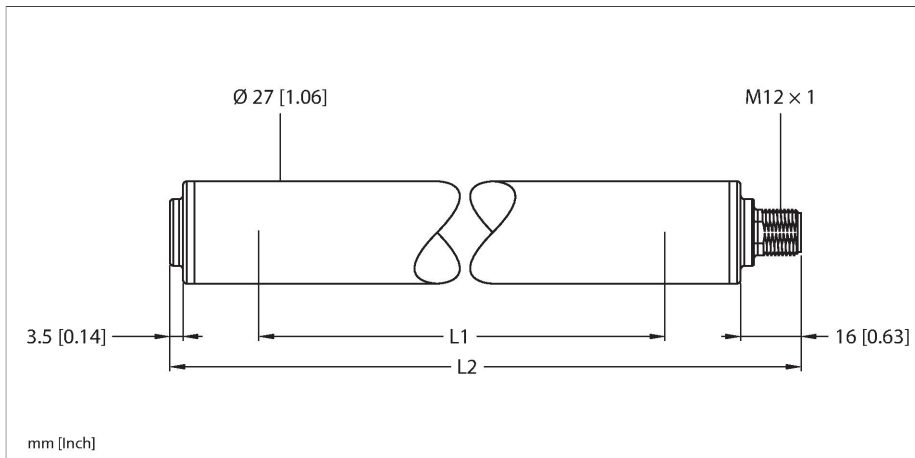


# WLS27XWR-570DSQ

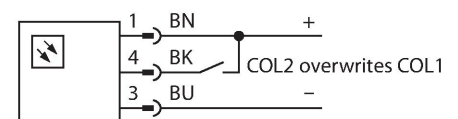
## LED Linear Light – In the Plastic Housing



### Features

- Cylindrical illuminated area
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 × 1 male connector, straight, 4-pin
- Light length L1: 568 mm
- Housing length L2: 633.5 mm
- Color 1: Daylight white (100% light intensity)
- Color 2: Red (100% light intensity)
- Two-color linear light
- Automatic temperature monitoring
- FDA compliant
- 2 × 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

|                                    |                                                           |
|------------------------------------|-----------------------------------------------------------|
| Type                               | WLS27XWR-570DSQ                                           |
| ID                                 | 3097359                                                   |
| Signal and display data            |                                                           |
| Purpose                            | LED work light                                            |
| Function                           | Linear light                                              |
| Light type                         | White/Red                                                 |
| LED service life (L70)             | 50000 h                                                   |
| Dimmable                           | No                                                        |
| Features of color 1                | White, Permanently on, 100 %, 950 lm                      |
| Features of color 2                | Red, Permanently on, 100 %, 400 lm                        |
| Special features                   | Chemical-resistant<br>Wash down<br>Resistant to chemicals |
| Electrical data                    |                                                           |
| Operating voltage $U_B$            | 12...30 VDC                                               |
| Max. current consumption per color | 1600 mA                                                   |
| Input power                        | 14.64 W                                                   |
| Mechanical data                    |                                                           |
| Cascadable                         | No                                                        |
| Design                             | Smooth barrel, WLS27                                      |
| Dimensions                         | Ø 27 x 633.5 mm                                           |
| Housing material                   | Plastic, FDA copolyester                                  |
| Window material                    | Copolyester, diffuse                                      |
| Electrical connection              | Connector, M12 × 1, PVC                                   |
| Number of cores                    | 4                                                         |
| Ambient temperature                | -40...+70 °C                                              |
| Storage temperature                | -40...+70 °C                                              |

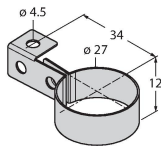
Technical data

|                                           |                      |
|-------------------------------------------|----------------------|
| Protection class                          | IP66<br>IP67<br>IP69 |
| Protection class for electrical equipment | III                  |
| Tests/approvals                           |                      |

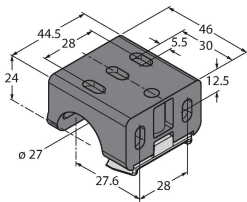
| Light Length | Typical Current |        |        | Max. Current<br>A |
|--------------|-----------------|--------|--------|-------------------|
|              | 12 VDC          | 24 VDC | 30 VDC |                   |
| 145 mm       | 0.33 A          | 0.15 A | 0.12 A | 0.4               |
| 285 mm       | 0.66 A          | 0.30 A | 0.24 A | 0.8               |
| 430 mm       | 1.01 A          | 0.46 A | 0.36 A | 1.2               |
| 570 mm       | 1.36 A          | 0.61 A | 0.48 A | 1.6               |
| 710 mm       | 1.75 A          | 0.77 A | 0.60 A | 2.0               |
| 850 mm       | 2.13 A          | 0.92 A | 0.73 A | 2.4               |
| 990 mm       | 2.59 A          | 1.08 A | 0.85 A | 2.8               |
| 1130 mm      | 3.04 A          | 1.24 A | 0.97 A | 3.2               |

Accessories

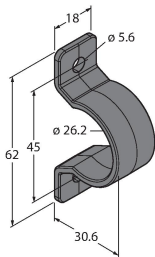
|                           |         |
|---------------------------|---------|
| LMBWLS27H                 | 3094776 |
| Hanging bracket for WLS27 |         |



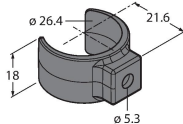
|                                      |         |
|--------------------------------------|---------|
| LMBWLS27U                            | 3094775 |
| Universal mounting bracket for WLS27 |         |



|                        |         |
|------------------------|---------|
| 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 connector, straight, 5-pin, stainless steel coupling nut, cable length: 2 m, jacket material: TPE, gray; temperature range: -40...+105 °C |
|                   | RKC4.4T-2/TEL | 6625013 | Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval                                                |

| Dimension drawing | Type          | ID      |                                                                                                                       |
|-------------------|---------------|---------|-----------------------------------------------------------------------------------------------------------------------|
|                   | WKC4.4T-2/TEL | 6625025 | Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |

