

# WLS27XB1130DSQ

## Work Light – Linear Light



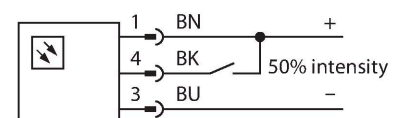
### Technical data

|                                    |   |
|------------------------------------|---|
| Type                               | WLS27XB1130DSQ  |
| ID                                 | 3095932   |
| <b>Signal and display data</b>     |   |
| Purpose                            | LED work light  |
| Function                           | Linear light  |
| Light type                         | Blue  |
| LED service life (L70)             | 50000 h   |
| Dimmable                           | Two-stage   |
| Features of color 1                | Blue, Permanently on, 320 lm                              |
| Special features                   | Chemical-resistant<br>Wash down<br>Resistant to chemicals |
| <b>Electrical data</b>             |   |
| Operating voltage                  | 12...30 VDC   |
| Max. current consumption per color | 3200 mA   |
| Input power                        | 29.76 W   |
| <b>Mechanical data</b>             |   |
| Cascadable                         | No  |
| Design                             | Smooth barrel, WLS27                                      |
| Dimensions                         | Ø 27 x 1197.5 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  |
| Protection class                   | IP66<br>IP67  |

### Features

- Cylindrical illuminated area
- Operating voltage: 24 VDC
- Protection class IP67/IP69K
- M12 × 1 male connector, straight, 4-pin
- Light length L1: 1130 mm
- Housing length L2: 1197.5 mm
- Color: Blue
- 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

IP69

Protection class for electrical equipment III

Tests/approvals

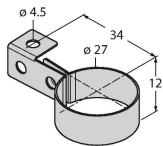
| Light Length | Typical Current |        |        | Max. Current |
|--------------|-----------------|--------|--------|--------------|
|              | 12 VDC          | 24 VDC | 30 VDC | A            |
| 145 mm       | 0.33 A          | 0.15 A | 0.12 A | 0.4          |
| 285 mm       | 0.66 A          | 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

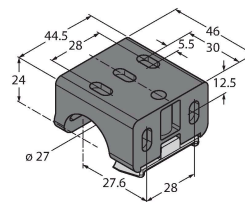
Hanging bracket for WLS27



LMBWLS27U

3094775

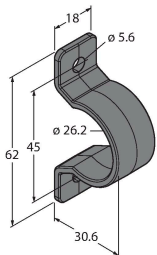
Universal mounting bracket for WLS27



LMBWLS27EC

3094774

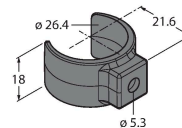
Snap bracket for WLS27



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

WKC4.4T-2/TEL

## ID

6625025

Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

