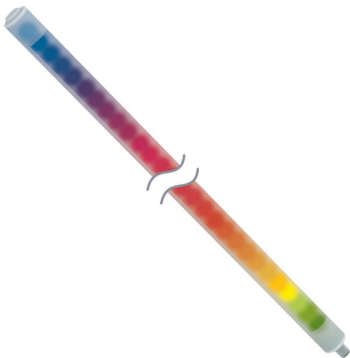


# WLS27PXRGBW430DSKQ

## LED Linear Light – In the Plastic Housing



### Technical data

|                                    |                                 |
|------------------------------------|---------------------------------|
| Type                               | WLS27PXRGBW430DSKQ              |
| ID                                 | 3807463                         |
| Signal and display data            |                                 |
| Purpose                            | LED work light                  |
| Function                           | Linear light                    |
| Light type                         | RGB                             |
| LED service life (L70)             | 50000 h                         |
| Dimmable                           | IO-Link controlled              |
| Features of color 1                | RGBW                            |
| Special features                   | Chemical-resistant<br>Wash down |
| Electrical data                    |                                 |
| Operating voltage $U_B$            | 18...30 VDC                     |
| Max. current consumption per color | 860 mA                          |
| Input power                        | 11.04 W                         |
| Communication protocol             | IO-Link                         |
| Input type                         | Communication protocol          |
| Response time typical              | < 45 ms                         |
| IO-Link                            |                                 |
| IO-Link specification              | V 1.1                           |
| Communication mode                 | COM 2 (38.4 kBaud)              |
| Process data width                 | 16 bit                          |
| Frame type                         | Type_2_2                        |
| Function pin 4                     | IO-Link                         |
| Maximum cable length               | 20 m                            |
| Included in the SIDI GSDML         | Yes                             |

### Features

- Cylindrical illuminated area
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 × 1 male connector, straight, 4-pin
- Light length L1: 427 mm
- Housing length L2: 492.5 mm
- RGB LEDs
- Multicolor linear light
- Parameterizable via IO-Link
- FDA compliant
- 2 × LMBWLS27EC snap bracket included in delivery

### Wiring diagram



### Functional principle

These lights have RGB LEDs. The IO-Link interface provides full access to the settings for controlling individual LEDs, color, flashing, intensity and animation. The lights are equipped with 6 different white color temperatures and 13 light colors from the RGB color space. It is also possible to create user-defined light colors.

Technical data

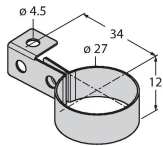
| Mechanical data                           |                          |
|-------------------------------------------|--------------------------|
| Cascadable                                | No                       |
| Design                                    | Smooth barrel, WLS27     |
| Dimensions                                | Ø 27 x 492.5 mm          |
| Housing material                          | Plastic, FDA copolyester |
| Window material                           | Copolyester, diffuse     |
| Electrical connection                     | Connector, M12 × 1       |
| Number of cores                           | 4                        |
| Ambient temperature                       | -40...+50 °C             |
| Storage temperature                       | -40...+70 °C             |
| Protection class                          | IP66<br>IP67<br>IP69     |
| Protection class for electrical equipment | III                      |
| Tests/approvals                           |                          |

| Light Length | Typical Current |        |        | Maximum Current<br>A |
|--------------|-----------------|--------|--------|----------------------|
|              | 18 VDC          | 25 VDC | 30 VDC |                      |
| 145 mm       | 0.240           | 0.180  | 0.150  | 0.275                |
| 285 mm       | 0.480           | 0.360  | 0.300  | 0.550                |
| 430 mm       | 0.720           | 0.540  | 0.450  | 0.825                |
| 570 mm       | 0.960           | 0.720  | 0.600  | 1.100                |
| 850 mm       | 1.440           | 1.080  | 0.900  | 1.650                |
| 1130 mm      | 1.920           | 1.440  | 1.200  | 2.200                |

Accessories

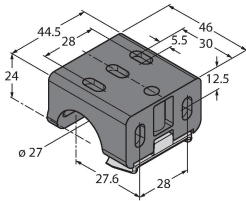
LMBWLS27H3094776

Hanging bracket for WLS27



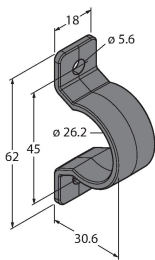
LMBWLS27U3094775

Universal mounting bracket for WLS27



LMBWLS27EC3094774

Snap bracket for WLS27



LMBWLS27SP3094773

Snap bracket for WLS27

