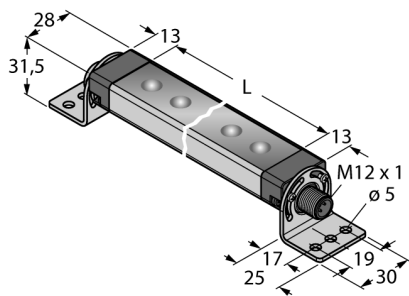
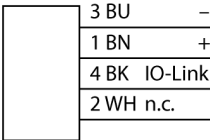


# LED Linear Light In the Metal Housing WLS28PXRGBW145DXKQ



- Light beam: 145mm
- Operating voltage: 12...30 VDC
- Protection class: IP50
- RGB LEDs
- Multicolor linear light
- Parameterizable via IO-Link
- SMBWLS28RA mounting bracket included in delivery

### Wiring Diagram



|      |                    |
|------|--------------------|
| Type | WLS28PXRGBW145DXKQ |
| ID   | 3811001            |

|                         |                    |
|-------------------------|--------------------|
| Signal and display data |                    |
| Purpose                 | LED work light     |
| Function                | Linear light       |
| Light type              | RGB                |
| Luminous flux lumen     | 325 lm             |
| Aperture angle degree   | 60 °               |
| Beam angle              | wide beam 40-80°   |
| LED service life (L70)  | 50000 h            |
| Dimmable                | IO-Link controlled |
| Features of color 1     | RGBW               |

|                                           |             |
|-------------------------------------------|-------------|
| Electrical data                           |             |
| Operating voltage U <sub>s</sub>          | 18...30 VDC |
| DC rated operating current I <sub>s</sub> | ≤ 330 mA    |
| Input power                               | 3.96 W      |
| Communication protocol                    | IO-Link     |
| 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               |

### 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.

|                       |                        |
|-----------------------|------------------------|
| Mechanical data       |                        |
| Cascadable            | No                     |
| Design                | Rectangular, WLS28-2   |
| Housing material      | Metal, AL              |
| Window material       | Polycarbonate, diffuse |
| Electrical connection | Connector, M12 × 1     |
| Number of cores       | 4                      |
| Ambient temperature   | -40...+50 °C           |
| Storage temperature   | -40...+70 °C           |
| Relative humidity     | 0...90%                |
| Protection class      | IP50                   |
| Tests/approvals       |                        |
| Approvals             | CE, UL                 |

## Accessories

| Type code  | Ident no. |                                                                                              | Dimension drawing                                                                    |
|------------|-----------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| SMBWLSMAG  | 3019574   | Magnetic fixture for mounting work lights and sensors, 2 pieces                              |   |
| SMBWLS28RA | 3015764   | Mounting bracket, angled, metal, for WLS28 work lights, 5 mm drill holes, screw set included |   |
| SMBWLS28SP | 3088063   | Snap bracket for mounting WLS28 work lights                                                  |  |