

WLS28-2CWGRYB5-0850X24Q  
LED Linear Light – In the Metal Housing



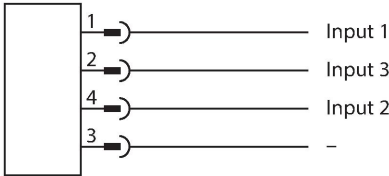
Technical data

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Type                                      | WLS28-2CWGRYB5-0850X24Q                 |
| ID                                        | 3804665                                 |
| Signal and display data                   |                                         |
| Purpose                                   | LED work light                          |
| Function                                  | Linear light                            |
| Light type                                | White<br>Green<br>Red<br>Yellow<br>Blue |
| Luminous flux lumen                       | 1950 lm                                 |
| Aperture angle degree                     | 60 °                                    |
| Beam angle                                | wide beam 40-80°                        |
| LED service life (L70)                    | 50000 h                                 |
| Dimmable                                  | Yes                                     |
| Features of color 1                       | White, Permanently on, 1950 lm          |
| Features of color 2                       | Green, 1200 lm                          |
| Features of color 3                       | Red, 555 lm                             |
| Features of color 4                       | Yellow, 1710 lm                         |
| Features of color 5                       | Blue, 375 lm                            |
| Electrical data                           |                                         |
| Operating voltage U <sub>B</sub>          | 12...30 VDC                             |
| DC rated operating current I <sub>o</sub> | ≤ 2130 mA                               |
| Max. current consumption per color        | 1200 mA                                 |
| Input power                               | 25.56 W                                 |
| Mechanical data                           |                                         |
| Cascadable                                | Yes                                     |
| Design                                    | Rectangular, WLS28-2                    |

Features

- Cascadable
- Light beam: 850mm
- Operating voltage: 12...30 VDC
- Protection class: IP67 / IP69K
- Colors: White (COL 1), Green (COL 2), Red (COL 3), Yellow (COL 4), Blue (COL 5)
- Automatic temperature monitoring
- SMBWLS28RA mounting bracket included in delivery

Wiring diagram



| Input 1: Pin 1<br>Brown Wire | Input 2: Pin 4<br>Black Wire | Input 3: Pin 2<br>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  |

Technical data

|                       |                         |
|-----------------------|-------------------------|
| Dimensions            | 899 x 28 x 21 mm        |
| Housing material      | Metal, AL               |
| Window material       | Polycarbonate, clear    |
| Electrical connection | Connector, M12 x 1, PVC |
| 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

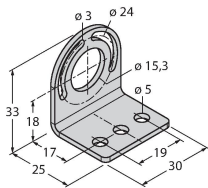
|           |         |
|-----------|---------|
| SMBWLSMAG | 3019574 |
|-----------|---------|

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 |
|------------|---------|

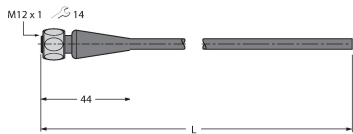
Snap bracket for mounting WLS28 work lights



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



| Dimension drawing                                                                 | Type          | ID      |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|  | RKC4.4T-2/TEL | 6625013 | Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |
|  | WKC4.4T-2/TEL | 6625025 | Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval   |