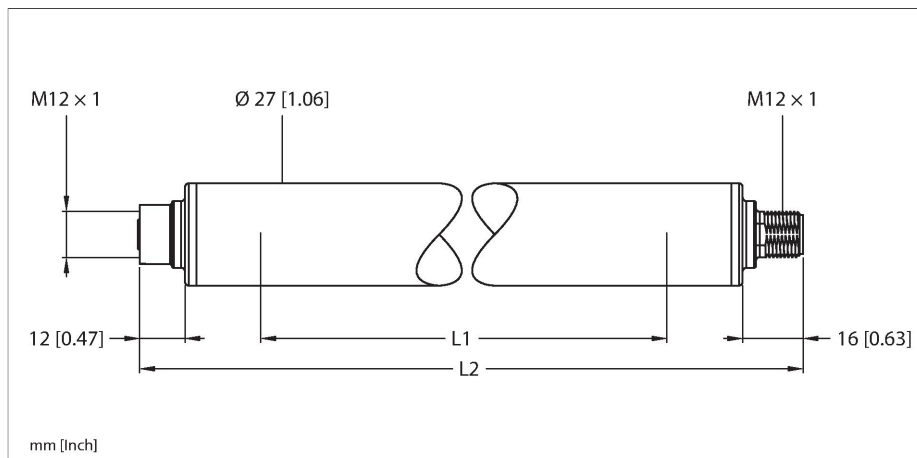


# WLS27CWGRYB5-0285DS24Q

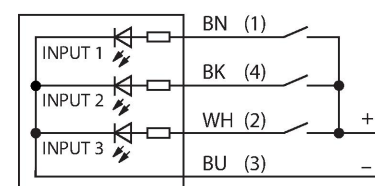
## LED Linear Light – In the Plastic Housing



### Features

- Cylindrical illuminated area
- Cascadable
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 × 1 male connector, straight, 4-pin
- Light length L1: 286 mm
- Housing length L2: 360 mm
- Colors: White (COL 1), Green (COL 2), Red (COL 3), Yellow (COL 4), Blue (COL 5)
- Automatic temperature monitoring
- FDA compliant
- 2 × LMBWLS27EC snap bracket included in delivery

### Wiring diagram



### Functional principle

LED-Arbeitsleuchten eignen sich hervorragend für den industriellen Einsatz bei geringem Energieverbrauch. Die Farbtemperatur liegt im Bereich 6.000 bis 7.100 Kelvin (kaltweiß). Der Lichtstrom beträgt je nach Modell 325 und 2600 Lumen. Das Ein-/ Ausschalten erfolgt über die Zuschaltung der nötigen Versorgungsspannung (12... 30 VDC). Darüberhinaus lässt sich diese durch Ansteuerung eines High-Signals auf PIN4 auf 50% ihrer Lichtleistung dimmen, bei zweifarbigen Varianten wird zwischen den Farben gewechselt. Ein Stufenloses Dimmen der Lichtleistung ist bei einigen Modellen über ein PWM-Signal auf PIN4 möglich. Kaskadierbare Versionen sind ebenfalls

### Technical data

|                                    |                                                           |
|------------------------------------|-----------------------------------------------------------|
| Type                               | WLS27CWGRYB5-0285DS24Q                                    |
| ID                                 | 3802093                                                   |
| Signal and display data            |                                                           |
| Purpose                            | LED work light                                            |
| Function                           | Linear light                                              |
| Light type                         | White<br>Green<br>Red<br>Yellow<br>Blue                   |
| LED service life (L70)             | 50000 h                                                   |
| Dimmable                           | No                                                        |
| Features of color 1                | White, Permanently on, 100 %, 650 lm                      |
| Features of color 2                | Green, Permanently on, 100 %, 400 lm                      |
| Features of color 3                | Red, Permanently on, 185 lm                               |
| Features of color 4                | Yellow, Permanently on, 570 lm                            |
| Features of color 5                | Blue, Permanently on, 125 lm                              |
| Special features                   | Chemical-resistant<br>Wash down<br>Resistant to chemicals |
| Electrical data                    |                                                           |
| Operating voltage $U_b$            | 21.6...28.8 VDC                                           |
| Max. current consumption per color | 400 mA                                                    |
| Input power                        | 7.2 W                                                     |
| Mechanical data                    |                                                           |
| Cascadable                         | Yes                                                       |
| Design                             | Smooth barrel, WLS27                                      |
| Dimensions                         | Ø 27 x 360 mm                                             |
| Housing material                   | Plastic, FDA copolyester                                  |

Technical data

|                                           |                         |
|-------------------------------------------|-------------------------|
| Window material                           | Copolyester, diffuse    |
| Electrical connection                     | Connector, M12 × 1, PVC |
| 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                           |                         |

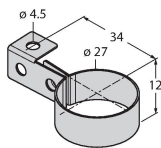
erhältlich. Verfügbare Farben sind kaltweiss, warmweiss, grün, rot, gelb und blau.  
Applikationshinweis:  
Kaskadierung bei 12 V Versorgung erlaubt Gesamtlichtlänge von 1,4 m. Kaskadierung bei 24 V Versorgung erlaubt Gesamtlichtlänge von 3,0 m. Kaskadierung bei 30 V Versorgung erlaubt Gesamtlichtlänge von 3,1 m.  
Bei 50% Lichtintensität sind die Längenangaben zu verdoppeln.

| Light Length | Typical Current |        |        | Max. Current 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

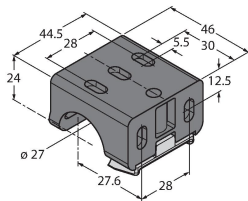
LMBWLS27H3094776

Hanging bracket for WLS27



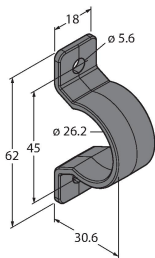
LMBWLS27U3094775

Universal mounting bracket for WLS27



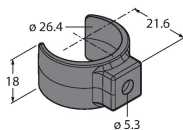
LMBWLS27EC3094774

Snap bracket for WLS27



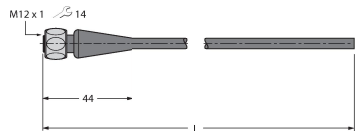
LMBWLS27SP3094773

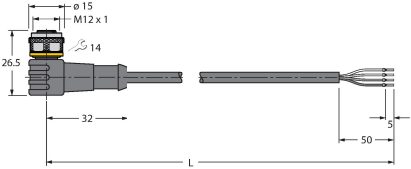
Snap bracket for WLS27



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 |



| 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   |