

WLS27XWR-145DSQ

LED Linear Light – In the Plastic Housing



Technical data

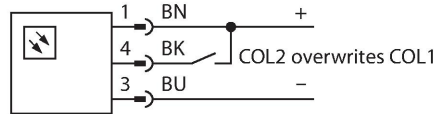
Type	WLS27XWR-145DSQ
ID	3802206
Signal and display data	
Purpose	LED work light
Function	Linear light
Light type	White/Red
LED service life (L70)	50000 h
Dimmable	Two-stage
Features of color 1	White, Permanently on, 100 %, 238 lm
Features of color 2	Red, Permanently on, 100 %, 100 lm
Special features	Chemical-resistant Wash down Resistant to chemicals
Electrical data	
Operating voltage U_B	12...30 VDC
Max. current consumption per color	400 mA
Input power	3.6 W
Mechanical data	
Cascadable	No
Design	Smooth barrel, WLS27
Dimensions	Ø 27 x 210.5 mm
Housing material	Plastic, FDA copolyester
Window material	Copolyester, diffuse
Electrical connection	Connector, M12 x 1, PVC
Number of cores	4
Ambient temperature	-40...+70 °C
Storage temperature	-40...+70 °C



Features

- Cylindrical illuminated area
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 x 1 male connector, straight, 4-pin
- Light length L1: 145 mm
- Housing length L2: 210.5 mm
- Color 1: Daylight white (100% light intensity)
- Color 2: Red (100% light intensity)
- Two-color linear light
- Automatic temperature monitoring
- FDA compliant
- 2 x 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.

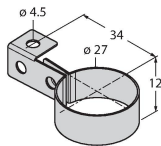
Technical data

Protection class	IP66 IP67 IP69
Protection class for electrical equipment	III
Tests/approvals	

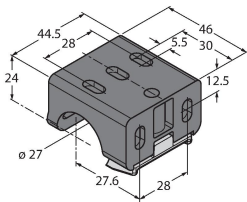
Light Length	Typical Current			Max. Current A
	12 VDC	24 VDC	30 VDC	
145 mm	0.33 A	0.15 A	0.12 A	0.4
285 mm	0.66 A	0.30 A	0.24 A	0.8
430 mm	1.01 A	0.46 A	0.36 A	1.2
570 mm	1.36 A	0.61 A	0.48 A	1.6
710 mm	1.75 A	0.77 A	0.60 A	2.0
850 mm	2.13 A	0.92 A	0.73 A	2.4
990 mm	2.59 A	1.08 A	0.85 A	2.8
1130 mm	3.04 A	1.24 A	0.97 A	3.2

Accessories

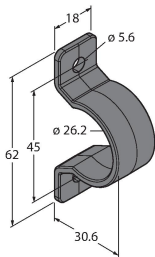
LMBWLS27H	3094776
Hanging bracket for WLS27	



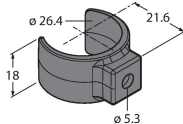
LMBWLS27U	3094775
Universal mounting bracket for WLS27	



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

