

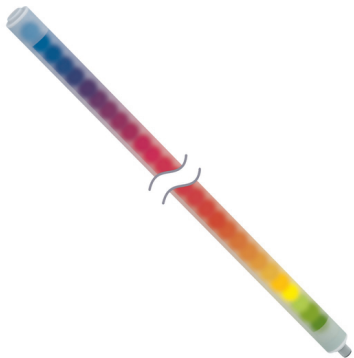
WLS27XWGRYB5-0850DS24Q

LED Linear Light – In the Plastic Housing



Technical data

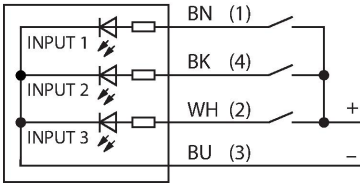
Type	WLS27XWGRYB5-0850DS24Q
ID	3802091
Signal and display data	
Purpose	LED work light
Function	Linear light
Light type	White Green Red Yellow Blue
LED service life (L70)	50000 h
Dimmable	No
Features of color 1	White, Permanently on, 100 %, 1950 lm
Features of color 2	Green, Permanently on, 100 %, 1200 lm
Features of color 3	Red, Permanently on, 555 lm
Features of color 4	Yellow, Permanently on, 1710 lm
Features of color 5	Blue, Permanently on, 375 lm
Special features	Chemical-resistant Wash down Resistant to chemicals
Electrical data	
Operating voltage U_b	21.6...28.8 VDC
Max. current consumption per color	1200 mA
Input power	22.08 W
Mechanical data	
Cascadable	No
Design	Smooth barrel, WLS27
Dimensions	Ø 27 x 914.5 mm
Housing material	Plastic, FDA copolyester



Features

- Cylindrical illuminated area
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 × 1 male connector, straight, 4-pin
- Light length L1: 850 mm
- Housing length L2: 915.5 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

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.

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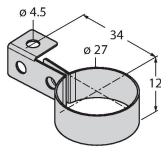
Window material	Copolyester, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-40...+50 °C
Storage temperature	-40...+70 °C
Protection class	IP66 IP67 IP69
Protection class for electrical equipment	III
Tests/approvals	

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

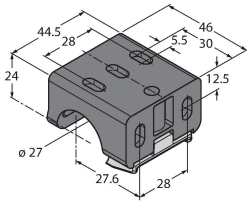
LMBWLS27H3094776

Hanging bracket for WLS27



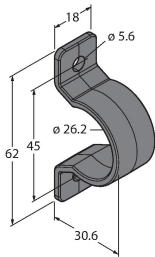
LMBWLS27U3094775

Universal mounting bracket for WLS27



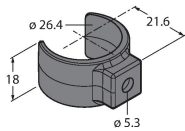
LMBWLS27EC3094774

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
	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

