

WLS27PXRGBW145HSKQ

Work Light – Linear Light



Technical data

Type	WLS27PXRGBW145HSKQ
ID	3807457
Signal and display data	
Purpose	LED work light
Function	Linear light
Light type	RGB
LED service life (L70)	50000 h
Dimmable	IO-Link controlled
Features of color 1	RGBW
Special features	Chemical-resistant Wash down
Electrical data	
Operating voltage	18...30 VDC
Max. current consumption per color	275 mA
Input power	3.6 W
Communication protocol	IO-Link
Input type	Communication protocol
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
Included in the SIDI GSDML	Yes



Features

- Cylindrical illuminated area
- Operating voltage: 12...30 VDC
- Protection class IP67/IP69K
- M12 × 1 male connector, straight, 4-pin
- Light length L1: 145 mm
- Housing length L2: 210.5 mm
- RGB LEDs
- Multicolor linear light
- Strongly opaque window material
- Parameterizable via IO-Link
- FDA compliant
- 2 × LMBWLS27EC snap bracket included in delivery

Wiring diagram



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.

Technical data

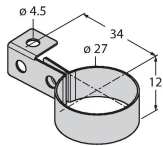
Mechanical data	
Cascadable	No
Design	Smooth barrel, WLS27
Dimensions	Ø 27 x 210.5 mm
Housing material	Plastic, FDA copolyester
Window material	Copolyester, Highly diffuse
Electrical connection	Connector, M12 × 1
Number of cores	4
Ambient temperature	-40...+50 °C
Storage temperature	-40...+70 °C
Protection class	IP66 IP67 IP69
Protection class for electrical equipment	III
Tests/approvals	

Light Length	Typical Current			Maximum Current A
	18 VDC	25 VDC	30 VDC	
145 mm	0.240	0.180	0.150	0.275
285 mm	0.480	0.360	0.300	0.550
430 mm	0.720	0.540	0.450	0.825
570 mm	0.960	0.720	0.600	1.100
850 mm	1.440	1.080	0.900	1.650
1130 mm	1.920	1.440	1.200	2.200

Accessories

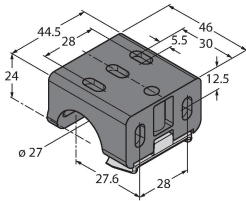
LMBWLS27H3094776

Hanging bracket for WLS27



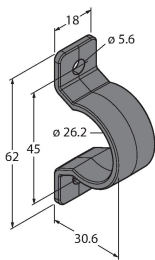
LMBWLS27U3094775

Universal mounting bracket for WLS27



LMBWLS27EC3094774

Snap bracket for WLS27



LMBWLS27SP3094773

Snap bracket for WLS27

