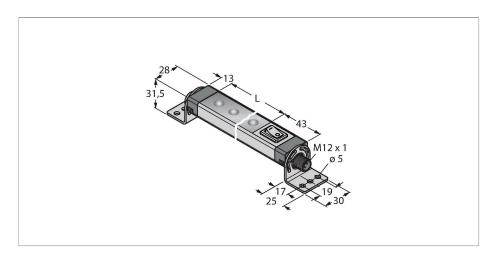


WLS28-2XW990XPBQ Work Light – Linear Light



Technical data

ID 3088000 Signal and display data Purpose LED work light Function Linear light Light type White Color temperature 6100+7000 K Luminous flux lumen 2275 lm Aperture angle degree 60 ° Beam angle wide beam 40-80° LED service life (L70) 50000 h Dimmable Two-stage Features of color 1 White, Permanently on, 2800 lm Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 2590 mA Input power 31.08 W Mechanical data Cascadable No Design Rectangular, WLS28-2 Dimensions 1062 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC Number of cores 4 Ambient temperature -40+70 °C	Туре	WLS28-2XW990XPBQ	
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LED service life (L70) Dimmable Two-stage Features of color 1 Electrical data Operating voltage DC rated operational current Input power Mechanical data Cascadable Design Rectangular, WLS28-2 Dimensions 1062 x 28 x 21 mm Housing material Metal, AL Window material Electrical connection Connector, M12 × 1, PVC Number of cores Number of cores	Aperture angle degree	60 °	
Dimmable Two-stage Features of color 1 White, Permanently on, 2800 lm Electrical data 1230 VDC DC rated operational current ≤ 2590 mA Input power 31.08 W Mechanical data No Design Rectangular, WLS28-2 Dimensions 1062 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC Number of cores 4	Beam angle	wide beam 40-80°	
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Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC Number of cores 4	Design	Rectangular, WLS28-2	
Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC Number of cores 4	Dimensions	1062 x 28 x 21 mm	
Electrical connection Connector, M12 × 1, PVC Number of cores 4	Housing material	Metal, AL	
Number of cores 4	Window material	Polycarbonate, clear	
	Electrical connection	Connector, M12 × 1, PVC	
Ambient temperature -40+70 °C	Number of cores	4	
	Ambient temperature	-40+70 °C	

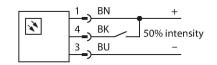


Features

- ON/OFF switch
- Light beam: 990 mm
- ■Operating voltage: 12...30 VDC
- ■Protection class: IP50
- Color: White
- ■M12 x 1 male, straight, 4-pin
- SMBWLS28RA mounting bracket included

in delivery

Wiring diagram



Functional principle

The low-energy 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. Some work lights are switched on/off via supply power (10...30 VDC) and some types by means of a button directly at the LED lamp. In addition, the LED can be dimmed to 50% of its light output by activating a high signal on PIN 4, or for the variants with a switch, by means of a further switch position. On some models the light output is continuously dimmable via a PWM signal on pin 4. Cascadable variants are also available. Variants with a clear or diffuse plastic windows, as well as with an aperture angle of 25°

Application note:

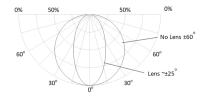
Cascading with 12 V supply allows total light length of 1.4 m. Cascading with 24 V supply allows total light length of 3.0 m. Cascading with 30 V supply allows total light length of 3.1 m.



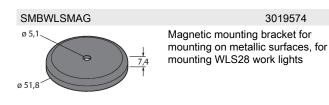
Technical data

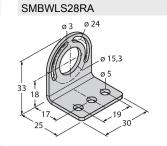
Storage temperature	-40+70 °C
Relative humidity	090 %
Protection class	IP50
Tests/approvals	
Approvals	CE, UL

At 50% light intensity, the length specifications should be doubled.



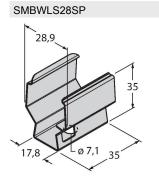
Accessories





Mounting bracket, angled, metal, for WLS28 work lights, 5 mm drill holes, screw set included

3015764



3088063 Snap bracket for mounting WLS28 work lights

Accessories

Dimension drawing	Туре	ID	
M12x1 o 15 /5 14	RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
015 M12x1 26.5 32	WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com