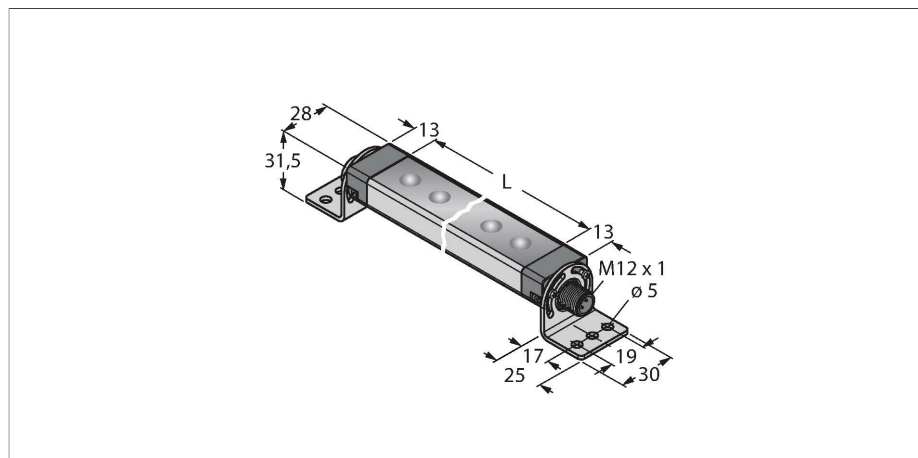


WLS28-2CW990DXQ

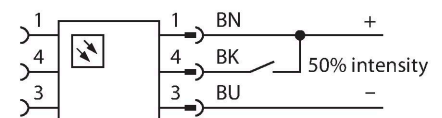
Work Light – Linear Light



Features

- Cascadable
- Light beam: 990mm
- Operating voltage: 12...30 VDC
- Protection class: IP50
- Color: Cold white
- Window: opaque
- 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.

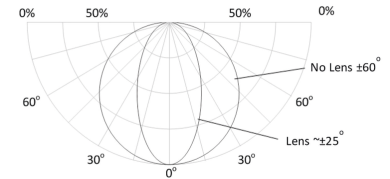
At 50% light intensity, the length specifications should be doubled.

Technical data

Type	WLS28-2CW990DXQ
ID	3087816
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, 2100 lm
Electrical data	
Operating voltage	12...30 VDC
DC rated operational current	≤ 2590 mA
Input power	31.08 W
Mechanical data	
Cascadable	Yes
Design	Rectangular, WLS28-2
Dimensions	1040 x 28 x 21 mm
Housing material	Metal, AL
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-40...+70 °C

Technical data

Storage temperature	-40...+70 °C
Relative humidity	0...90 %
Protection class	IP50
Tests/approvals	
Approvals	CE, UL



Accessories

SMBWLSMAG 3019574

Magnetic mounting bracket for mounting on metallic surfaces, for mounting WLS28 work lights

Technical drawing showing a circular magnetic bracket with dimensions: outer diameter $\varnothing 51,8$, inner diameter $\varnothing 5,1$, and thickness 7,4.

SMBWLS28RA 3015764

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

Technical drawing showing an L-shaped metal bracket with dimensions: vertical leg 33, horizontal leg 25, hole offset 18, hole diameter $\varnothing 3$, mounting hole diameter $\varnothing 24$, hole offset 17, hole diameter $\varnothing 15,3$, hole diameter $\varnothing 5$, and total width 30.

SMBWLS28SP 3088063

Snap bracket for mounting WLS28 work lights

Technical drawing showing a snap bracket with dimensions: top width 28,9, height 35, bottom width 17,8, and hole diameter $\varnothing 7,1$.

Accessories

Dimension drawing	Type	ID	
<p>Technical drawing of a straight connection cable with an M12 female connector and a 4-pin terminal block. Dimensions: connector diameter $\varnothing 15$, connector length 14, connector offset 11,5, cable length L, terminal block offset 50, and terminal block width 5.</p>	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
<p>Technical drawing of an angled connection cable with an M12 female connector and a 4-pin terminal block. Dimensions: connector diameter $\varnothing 15$, connector length 14, connector offset 26,5, cable length L, terminal block offset 50, and terminal block width 5.</p>	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