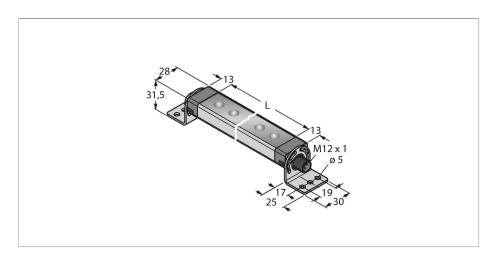


WLS28-2XW990SQ Work Light – Linear Light



Technical data

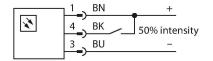
ID 3088088 Signal and display data Purpose LED work light Function Linear light Light type White Color temperature 6100+7000 K Luminous flux lumen 2275 lm Aperture angle degree 60 ° Beam angle wide beam 40-80° LED service life (L70) 50000 h Dimmable Two-stage Features of color 1 White, Permanently on, 2800 lm Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC Number of cores 4	Туре	WLS28-2XW990SQ		
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 Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	ID	3088088		
Function Light type White Color temperature 6100+7000 K Luminous flux lumen Aperture angle degree 60 ° Beam angle Wide beam 40-80° LED service life (L70) Dimmable Two-stage Features of color 1 White, Permanently on, 2800 Im Special features Wash down Electrical data Operating voltage DC rated operational current Input power 31.08 W Mechanical data Cascadable No Design Rectangular, WLS28-2 Dimensions Housing material Metal, AL Window material Electrical connection Linear light White 2275 Im White 2275 Im White, Permanently on, 2800 Im Special features Wash down Electrical data Operating voltage 1230 VDC 2590 mA Input power 31.08 W Mechanical data Cascadable No Design Rectangular, WLS28-2 Dimensions Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Signal and display data			
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 Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Purpose	LED work light		
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 Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Function	Linear light		
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 Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Light type	White		
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 Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Color temperature	6100+7000 K		
Beam angle wide beam 40-80° LED service life (L70) 50000 h Dimmable Two-stage Features of color 1 White, Permanently on, 2800 lm Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Luminous flux lumen	2275 lm		
LED service life (L70) Dimmable Two-stage Features of color 1 Special features Wash down Electrical data Operating voltage DC rated operational current Input power Mechanical data Cascadable Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Folycarbonate, clear Electrical connection	Aperture angle degree	60 °		
DimmableTwo-stageFeatures of color 1White, Permanently on, 2800 ImSpecial featuresWash downElectrical data1230 VDCOperating voltage1230 VDCDC rated operational current≤ 2590 mAInput power31.08 WMechanical dataNoCascadableNoDesignRectangular, WLS28-2Dimensions1031 x 28 x 21 mmHousing materialMetal, ALWindow materialPolycarbonate, clearElectrical connectionConnector, M12 x 1, PVC	Beam angle	wide beam 40-80°		
Features of color 1 White, Permanently on, 2800 Im Special features Wash down 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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	LED service life (L70)	50000 h		
Special features Wash down Electrical data 1230 VDC DC rated operational current ≤ 2590 mA Input power 31.08 W Mechanical data No Cascadable No Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Dimmable	Two-stage		
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 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Features of color 1	White, Permanently on, 2800 Im		
Operating voltage 1230 VDC DC rated operational current ≤ 2590 mA Input power 31.08 W Mechanical data No Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Special features	Wash down		
DC rated operational current ≤ 2590 mA Input power 31.08 W Mechanical data No Cascadable No Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Electrical data			
Input power 31.08 W Mechanical data Cascadable No Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Operating voltage	1230 VDC		
Mechanical data Cascadable No Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	DC rated operational current	≤ 2590 mA		
Cascadable No Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Input power	31.08 W		
Design Rectangular, WLS28-2 Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 x 1, PVC	Mechanical data			
Dimensions 1031 x 28 x 21 mm Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Cascadable	No		
Housing material Metal, AL Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Design	Rectangular, WLS28-2		
Window material Polycarbonate, clear Electrical connection Connector, M12 × 1, PVC	Dimensions	1031 x 28 x 21 mm		
Electrical connection Connector, M12 × 1, PVC	Housing material	Metal, AL		
	Window material	Polycarbonate, clear		
Number of cores 4	Electrical connection	Connector, M12 × 1, PVC		
	Number of cores	4		



Features

- ■Light beam: 990mm
- Operating voltage: 12...30 VDC Protection class: IP67 / IP69K
- 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:

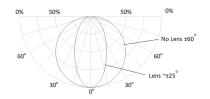
Cascading with 12 V supply allows total light length of 1.4 m. Cascading with 24 V supply allows total light length of 3.0 m. Cascading with 30 V supply allows total light length of 3.1 m



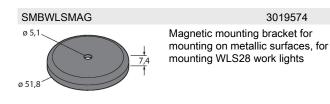
Technical data

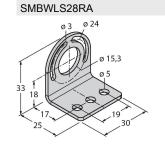
Ambient temperature	-40+70 °C	
Storage temperature	-40+70 °C	
Relative humidity	090 %	
Protection class	IP65 IP67 IP69	
Tests/approvals		
Approvals	CE, UL	

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

SMBWLS28SP
28,9 35 17,8 07,1 35

Snap bracket for mounting WLS28 work lights

3088063

Accessories

Dimension drawing	Туре	ID	
M12x1 e 15 55 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
0 15 10 14 26.5	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