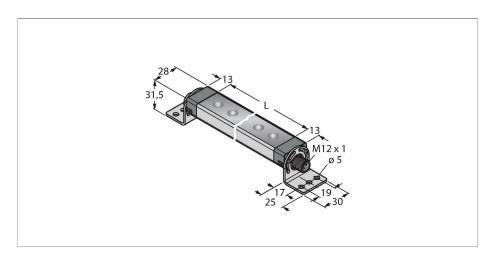


# WLS28-2CW1130XQ Work Light – Linear Light



#### Technical data

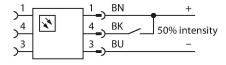
ID 3087801  Signal and display data Purpose LED work light  Function Linear light Light type White  Color temperature 6100+7000 K  Luminous flux lumen 2600 lm  Aperture angle degree 60 °  Beam angle wide beam 40-80°  LED service life (L70) 50000 h  Dimmable Two-stage  Features of color 1 White, Permanently on, 3200 lm  Electrical data Operating voltage 1230 VDC  DC rated operational current ≤ 3040 mA Input power 36.48 W  Mechanical data  Cascadable Yes  Design Rectangular, WLS28-2  Dimensions 1181 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	WLS28-2CW1130XQ
Purpose LED work light  Function Linear light  Light type White  Color temperature 6100+7000 K  Luminous flux lumen 2600 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, 3200 lm  Electrical data  Operating voltage 1230 VDC  DC rated operational current ≤ 3040 mA  Input power 36.48 W  Mechanical data  Cascadable Yes  Design Rectangular, WLS28-2  Dimensions 1181 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		3087801
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Luminous flux lumen  Aperture angle degree  Beam angle  Wide beam 40-80°  LED service life (L70)  Dimmable  Two-stage  Features of color 1  Electrical data  Operating voltage  DC rated operational current  Input power  Acceptable  Design  Rectangular, WLS28-2  Dimensions  1181 x 28 x 21 mm  Housing material  Window material  Electrical connection  Connector, M12 × 1, PVC  Number of cores  4  Ambient temperature	Light type	White
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Operating voltage       1230 VDC         DC rated operational current       ≤ 3040 mA         Input power       36.48 W         Mechanical data       Yes         Cascadable       Yes         Design       Rectangular, WLS28-2         Dimensions       1181 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	Features of color 1	White, Permanently on, 3200 Im
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Number of cores 4 Ambient temperature -40+70 °C	Window material	Polycarbonate, clear
Ambient temperature -40+70 °C	Electrical connection	Connector, M12 × 1, PVC
<u> </u>	Number of cores	4
Storage temperature 40 ±70 °C	Ambient temperature	-40+70 °C
Storage temperature -40170 C	Storage temperature	-40+70 °C

## **Features**

- Cascadable
- Light beam: 1130mm
- 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



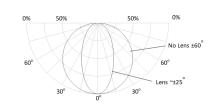
#### Functional principle

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

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

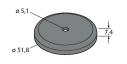


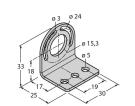
Relative humidity	090 %
Protection class	IP50
Tests/approvals	
Approvals	CE, UL

Light	Typical Current			Max. Current
Length	12 VDC	24 VDC	30 VDC	Α
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

SMBWLSMAG	3019574
	Magnetic fixture for mounting work





SMBWLS28RA

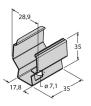
Mounting bracket, angled, metal, for WLS28 work lights, 5 mm drill holes, screw set included

3015764

SMBWLS28SP

3088063

Snap bracket for mounting WLS28 work lights



## Accessories

Dimension drawing	Туре	ID	
M12x1 e 15	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
# p 15 M12 x 1 26.5	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval