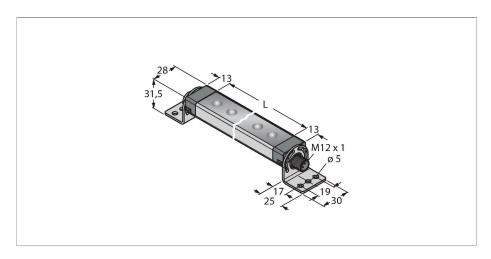


# WLS28-2XWR-285XQ LED Linear Light – In the Metal Housing



#### Technical data

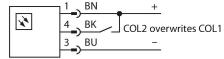
Signal and display data	Туре	WLS28-2XWR-285XQ
Purpose LED work light  Function Linear light  Light type White/Red  Aperture angle degree 60 °  Beam angle wide beam 40-80°  LED service life (L70) 50000 h  Dimmable Yes  Features of color 1 White, Permanently on, 100 %, 475 lm  Features of color 2 Red, Permanently on, 100 %, 200 lm  Electrical data  Operating voltage U₅ 1230 VDC  DC rated operating current I₀ ≤ 660 mA  Input power 7.92 W  Mechanical data  Cascadable No  Design Rectangular, WLS28-2  Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	ID	3092719
Euctrical data Operating voltage U <sub>B</sub> Dimensions  Design  Des	Signal and display data	
Light type White/Red  Aperture angle degree 60 °  Beam angle wide beam 40-80°  LED service life (L70) 50000 h  Dimmable Yes  Features of color 1 White, Permanently on, 100 %, 475 lm  Features of color 2 Red, Permanently on, 100 %, 200 lm  Flectrical data  Operating voltage U <sub>8</sub> 1230 VDC  DC rated operating current I <sub>8</sub> ≤ 660 mA  Input power 7.92 W  Mechanical data  Cascadable No  Design Rectangular, WLS28-2  Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Purpose	LED work light
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Beam angle wide beam 40-80°  LED service life (L70) 50000 h  Dimmable Yes  Features of color 1 White, Permanently on, 100 %, 475 lm  Features of color 2 Red, Permanently on, 100 %, 200 lm  Electrical data  Operating voltage U₂ 1230 VDC  DC rated operating current I₂ ≤ 660 mA  Input power 7.92 W  Mechanical data  Cascadable No  Design Rectangular, WLS28-2  Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Light type	White/Red
LED service life (L70)  Dimmable  Yes  Features of color 1  White, Permanently on, 100 %, 475 Im  Features of color 2  Red, Permanently on, 100 %, 200 Im  Electrical data  Operating voltage U <sub>B</sub> 1230 VDC  DC rated operating current I <sub>B</sub> Input power  7.92 W  Mechanical data  Cascadable  No  Design  Rectangular, WLS28-2  Dimensions  327 x 28 x 20.9 mm  Housing material  Metal, AL  Window material  Polycarbonate, clear  Electrical connection  Connector, M12 × 1, PVC  Number of cores  4  Ambient temperature  -40+70 °C  Storage temperature  -40+70 °C	Aperture angle degree	60 °
Dimmable       Yes         Features of color 1       White, Permanently on, 100 %, 475 lm         Features of color 2       Red, Permanently on, 100 %, 200 lm         Electrical data       Operating voltage U <sub>8</sub> 1230 VDC         DC rated operating current I <sub>e</sub> ≤ 660 mA         Input power       7.92 W         Mechanical data       Cascadable       No         Design       Rectangular, WLS28-2         Dimensions       327 x 28 x 20.9 mm         Housing material       Metal, AL         Window material       Polycarbonate, clear         Electrical connection       Connector, M12 x 1, PVC         Number of cores       4         Ambient temperature       -40+70 °C         Storage temperature       -40+70 °C	Beam angle	wide beam 40-80°
Features of color 1  Features of color 2  Red, Permanently on, 100 %, 200 lm  Electrical data  Operating voltage U <sub>8</sub> 1230 VDC  DC rated operating current I <sub>e</sub> Input power  7.92 W  Mechanical data  Cascadable  No  Design  Rectangular, WLS28-2  Dimensions  327 x 28 x 20.9 mm  Housing material  Metal, AL  Window material  Polycarbonate, clear  Electrical connection  Connector, M12 × 1, PVC  Number of cores  4  Ambient temperature  -40+70 °C  Storage temperature  -40+70 °C	LED service life (L70)	50000 h
Features of color 2 Red, Permanently on, 100 %, 200 Im  Electrical data  Operating voltage U <sub>B</sub> 1230 VDC  DC rated operating current I <sub>B</sub> Input power 7.92 W  Mechanical data  Cascadable No  Design Rectangular, WLS28-2  Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Dimmable	Yes
Electrical data  Operating voltage U <sub>8</sub> 1230 VDC  DC rated operating current I <sub>6</sub> Input power  7.92 W  Mechanical data  Cascadable  No  Design  Rectangular, WLS28-2  Dimensions  327 x 28 x 20.9 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, 100 %, 475 Im
Operating voltage U <sub>B</sub> 1230 VDC         DC rated operating current I <sub>B</sub> ≤ 660 mA         Input power       7.92 W         Mechanical data       No         Cascadable       No         Design       Rectangular, WLS28-2         Dimensions       327 x 28 x 20.9 mm         Housing material       Metal, AL         Window material       Polycarbonate, clear         Electrical connection       Connector, M12 × 1, PVC         Number of cores       4         Ambient temperature       -40+70 °C         Storage temperature       -40+70 °C	Features of color 2	Red, Permanently on, 100 %, 200 lm
DC rated operating current I₀ ≤ 660 mA  Input power 7.92 W  Mechanical data  Cascadable No  Design Rectangular, WLS28-2  Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Electrical data	
Input power 7.92 W  Mechanical data  Cascadable No  Design Rectangular, WLS28-2  Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 x 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Operating voltage U <sub>B</sub>	1230 VDC
Mechanical data  Cascadable  No  Design  Rectangular, WLS28-2  Dimensions  327 x 28 x 20.9 mm  Housing material  Metal, AL  Window material  Polycarbonate, clear  Electrical connection  Connector, M12 x 1, PVC  Number of cores  4  Ambient temperature  -40+70 °C  Storage temperature  -40+70 °C	DC rated operating current I <sub>e</sub>	≤ 660 mA
Cascadable  No  Design  Rectangular, WLS28-2  Dimensions  327 x 28 x 20.9 mm  Housing material  Metal, AL  Window material  Polycarbonate, clear  Electrical connection  Connector, M12 x 1, PVC  Number of cores  4  Ambient temperature  -40+70 °C  Storage temperature  -40+70 °C	Input power	7.92 W
DesignRectangular, WLS28-2Dimensions327 x 28 x 20.9 mmHousing materialMetal, ALWindow materialPolycarbonate, clearElectrical connectionConnector, M12 x 1, PVCNumber of cores4Ambient temperature-40+70 °CStorage temperature-40+70 °C	Mechanical data	
Dimensions 327 x 28 x 20.9 mm  Housing material Metal, AL  Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Cascadable	No
Housing material  Window material  Polycarbonate, clear  Electrical connection  Connector, M12 × 1, PVC  Number of cores  4  Ambient temperature  -40+70 °C  Storage temperature  -40+70 °C	Design	Rectangular, WLS28-2
Window material Polycarbonate, clear  Electrical connection Connector, M12 × 1, PVC  Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Dimensions	327 x 28 x 20.9 mm
Electrical connection  Connector, M12 × 1, PVC  Number of cores  4  Ambient temperature  -40+70 °C  Storage temperature  -40+70 °C	Housing material	Metal, AL
Number of cores 4  Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Window material	Polycarbonate, clear
Ambient temperature -40+70 °C  Storage temperature -40+70 °C	Electrical connection	Connector, M12 × 1, PVC
Storage temperature -40+70 °C	Number of cores	4
	Ambient temperature	-40+70 °C
Relative humidity 090 %	Storage temperature	-40+70 °C
	Relative humidity	090 %

### **Features**

- Light beam: 285mm
- Operating voltage: 12...30 VDC
- ■Protection class: IP50
- Color 1: Daylight white (100% light intensity)
- Color 2: Red (100% light intensity)
- ■Two-color linear light
- ■M12 x 1 male, straight, 4-pin
- SMBWLS28RA mounting bracket included

in delivery

#### Wiring diagram



## Functional principle

The energy-efficient LED work lights are ideally suited for industrial applications. The color temperature is between 4,700 and 5,300 Kelvin (cool white). Depending on the model, the luminous flux is 475 or 1900 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 switched to second color by activating a high signal on PIN 4, or for the variants with a switch by means of a further switch position. This additional color can be selected with either 100, 50 or 33% light intensity. Cascadable variants are also available. Variants with a clear or diffuse plastic windows, as well as with an aperture angle of 25°.

# Technical data

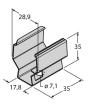
Protection class	IP50
Tests/approvals	
Approvals	CE, UL

## Accessories

SMBWLSMAG	3019574	SMBWLS28RA	3015764
ø 5,1 Ø 51,8	Magnetic fixture for mounting work lights and sensors, 2 pieces	03 024 015,3 05 05 17 25	Mounting bracket, angled, metal, for WLS28 work lights, 5 mm drill holes, screw set included

SMBWLS28SP 3088063

Snap bracket for mounting WLS28 work lights



# Accessories

Dimension drawing	Туре	ID	
M12×1 o 15 5 14  11.5 +	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
015 M12x1 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