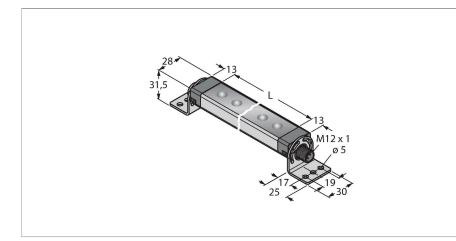


# WLS28-2CR145DXQ Work Light – Linear Light



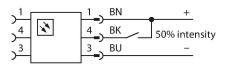
## Technical data

Туре	WLS28-2CR145DXQ
ID	3091647
Signal and display data	
Purpose	LED work light
Function	Linear light
Light type	Red
Luminous flux lumen	325 lm
Aperture angle degree	60 °
Beam angle	wide beam 40-80°
LED service life (L70)	50000 h
Dimmable	Two-stage
Features of color 1	Red, Permanently on, 45 Im
Electrical data	
Operating voltage	1230 VDC
DC rated operational current	≤ 330 mA
Input power	3.96 W
Mechanical data	
Cascadable	Yes
Design	Rectangular, WLS28-2
Dimensions	194 x 28 x 20.9 mm
Housing material	Metal, AL
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-40+70 °C
Storage temperature	-40+70 °C
Relative humidity	090 %

#### Features

- Cascadable
- Light beam: 145mm
- Operating voltage: 12...30 VDC
- Protection class: IP50
- Color red
- M12 x 1 male, straight, 4-pin
- SMBWLS28RA mounting bracket included in delivery

#### Wiring diagram



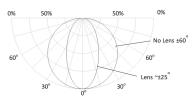
# Functional principle

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.



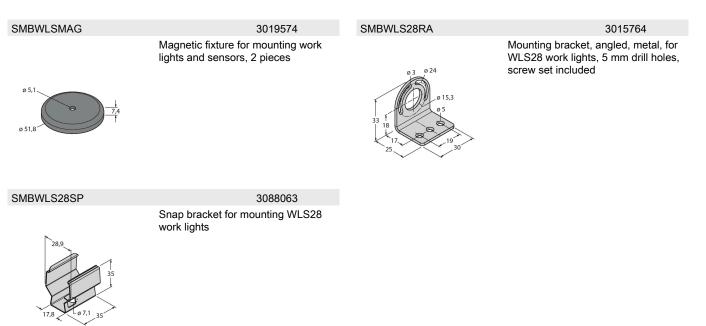


#### Technical data

Protection class	IP50	Light	Typical Current			Max. Current
Tests/approvals		Length	12 VDC	24 VDC	30 VDC	A
10515/40010101		145 mn	0.33 A	0.15 A	0.12 A	0.4
Approvals CE, UL	CE III	285 mn	0.66 A	0.30 A	0.24 A	0.8
	82, 82	430 mn	1.01 A	0.46 A	0.36 A	1.2
		570 mn	1.36 A	0.61 A	0.48 A	1.6
		710 mn	1.75 A	0.77 A	0.60 A	2.0
		850 m	1 2.13 A	0.92 A	0.73 A	2.4
		990 mn	1 2.59 A	1.08 A	0.85 A	2.8
		1130 mn	1 3.04 A	1.24 A	0.97 A	3.2
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Access	Orias
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## Accessories

Dimension drawing	Туре	ID	
	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 265 	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval