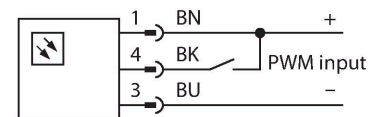# WLS28-2XWW850DSPWMQ
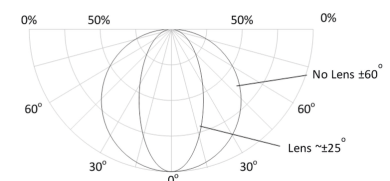# Work Light –   Linear Light

Features

- Light beam: 850mm
- Operating voltage: 12…30 VDC
- Protection class: IP67 / IP69K
- Color: White
- M12 x 1 male, straight, 4-pin
- Dimmable via PWM input
- SMBWLS28RA mounting bracket included in delivery

Wiring diagram

Technical data

Type	WLS28-2XWW850DSPWMQ
ID	3801852
Signal and display data	
Purpose	LED work light
Function	Linear light
Light type	White
Color temperature	2900…+3200 K
Luminous flux lumen	1950 lm
Aperture angle degree	60 °
Beam angle	wide beam 40-80°
LED service life (L70)	50000 h
Dimmable	Yes
Electrical data	
Operating voltage	12…30 VDC
DC rated operational current	≤ 2130 mA
Input power	25.56 W
Mechanical data	
Cascadable	No
Design	Rectangular, WLS28-2
Dimensions	890 x 28 x 21 mm
Housing material	Metal, AL
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1
Ambient temperature	-25…+70 °C
Storage temperature	-40…+70 °C
Relative humidity	0…90 %
Protection class	IP67

Functional principle

The energy-efficient 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°.

Technical data

	IP69
Tests/approvals	
Approvals	CE, UL

Light Length	Typical Current			Max. Current
	12 VDC	24 VDC	30 VDC	A
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 lights and sensors, 2 pieces

ø 5,1
7,4
ø 51,8
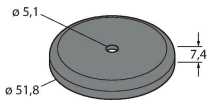
SMBWLS28RA	3015764

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

ø 3   ø 24
ø 15,3
ø 5
33
18
17
25   19
30
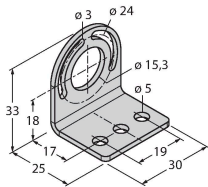
SMBWLS28SP	3088063

Snap bracket for mounting WLS28 work lights

28,9
35
17,8   ø 7,1   35
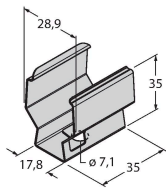
Accessories

Dimension drawing	Type	ID	
	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

M12 x 1   ø 15   14
11.5
42
L
5
50

ø 15
M12 x 1
14
26.5
32
L
5
50