

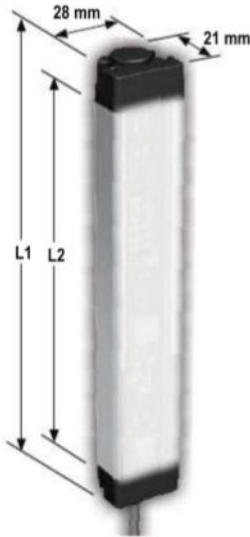


WLS28 Work Light Strips

- Low-profile, 28 mm wide housing for use inside or under any industrial control cabinet, or in work stations
- White LED lights in 145 to 1130 mm lighted lengths
- Cascade models for connecting multiple lights end-to-end, minimizing wiring
- High-power LEDs for superior illumination with an even pattern of light and no shadows
- Extremely long-lasting LED technology for >50,000 hours of continuous working life
- Low power consumption of less than 9 watts per foot
- Durable aluminum housing
- Swivel mounting brackets included for convenient positioning of light
- Cabled or quick-disconnect models for installation flexibility and convenient cascading of lights

- Photoelectrics Sensors
- Fiber Optic Sensors
- Special Purpose Sensors
- Measurement & Inspection Sensors
- Vision
- Wireless
- Lighting & Indicators**
- Safety Light Screens
- Safety Laser Scanners
- Fiber Optic Safety Systems
- Safety Controllers & Modules
- Safety Two-Hand Control Modules
- Safety Interlock Switches
- Emergency Stop & Stop Control

ACCESSORIES
page 409



ONLINE
AUTOCAD, STEP, IGES & PDF

- TASK LIGHTS
- WL50
- WLS28**
- WLA
- VISION LIGHTS
- INDICATORS
- ACTUATORS

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WLS28 Work Light Strip, 12-30V dc


Light Position*	Connection(s)**	Overall Height (L1)	Lighted Length (L2)	LED Color	Model
 Stand-Alone Light	2 m/Endcap (no connection)	183.5 mm	145 mm	White	WLS28XW145X
		324.5 mm	285 mm		WLS28XW285X
		465.5 mm	430 mm		WLS28XW430X
		606.5 mm	570 mm		WLS28XW570X
		747.5 mm	710 mm		WLS28XW710X
		888.5 mm	850 mm		WLS28XW850X
		1029.5 mm	990 mm		WLS28XW990X
		1170.5 mm	1130 mm		WLS28XW1130X


More on next page

Connection Options: A model with a QD requires a mating cordset (see page 409).*

* Lights are available as either stand-alone models or as models that can be "daisy-chained" together for a continuous length of lighting.
Stand-alone models: Lights have cable or male QD fitting at one end for power connection; no connection at opposite end. A stand-alone model with a QD may be used as the last in the cascade series.
Cascade models: Lights have cable or male QD at one end for power connection, female QD at opposite end for connection to other lights in the cascade. Cascade models with cable end can only be used as the first light in the cascade series. Double-ended cordsets must be used between each pair of lights in a cascade.

WLS28 Work Light Strip, 12-30V dc (cont'd)

Light Position*	Connection(s)**	Overall Height (L1)	Lighted Length (L2)	LED Color	Model
	4-pin Euro QD (Male)/ Endcap (no connection)	186 mm	145 mm	White	WLS28XW145XQ
		327 mm	285 mm		WLS28XW285XQ
		468 mm	430 mm		WLS28XW430XQ
		609 mm	570 mm		WLS28XW570XQ
		750 mm	710 mm		WLS28XW710XQ
		891 mm	850 mm		WLS28XW850XQ
		1032 mm	990 mm		WLS28XW990XQ
		1173 mm	1130 mm		WLS28XW1130XQ
	2 m/ 4-pin Euro QD (Female)	191.5 mm	145 mm	White	WLS28CW145X
		332.5 mm	285 mm		WLS28CW285X
		473.5 mm	430 mm		WLS28CW430X
		614.5 mm	570 mm		WLS28CW570X
		755.5 mm	710 mm		WLS28CW710X
		896.5 mm	850 mm		WLS28CW850X
		1037.5 mm	990 mm		WLS28CW990X
		1178.5 mm	1130 mm		WLS28CW1130X
	4-pin Euro QD (Male)/ 4-pin Euro QD (Female)	194 mm	145 mm	White	WLS28CW145XQ
		335 mm	285 mm		WLS28CW285XQ
		476 mm	430 mm		WLS28CW430XQ
		617 mm	570 mm		WLS28CW570XQ
		758 mm	710 mm		WLS28CW710XQ
		899 mm	850 mm		WLS28CW850XQ
		1040 mm	990 mm		WLS28CW990XQ
		1181 mm	1130 mm		WLS28CW1130XQ

 **Connection Options:** A model with a QD requires a mating cordset (see page 409).*

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WLS28 Specifications

Supply Voltage and Current	12 to 30V dc (10% max. ripple)																																																						
	Max. current per length:																																																						
	<table border="1"> <thead> <tr> <th>Light Length</th> <th>12V dc</th> <th>24V dc</th> <th>30V dc</th> <th>Watts</th> <th>Lumens (Typical)</th> </tr> </thead> <tbody> <tr> <td>145 mm</td> <td>0.5 A</td> <td>0.25 A</td> <td>0.2 A</td> <td>6</td> <td>120</td> </tr> <tr> <td>285 mm</td> <td>0.75 A</td> <td>0.375 A</td> <td>0.3 A</td> <td>9</td> <td>240</td> </tr> <tr> <td>430 mm</td> <td>1.25 A</td> <td>0.625 A</td> <td>0.5 A</td> <td>15</td> <td>360</td> </tr> <tr> <td>570 mm</td> <td>1.5 A</td> <td>0.75 A</td> <td>0.6 A</td> <td>18</td> <td>480</td> </tr> <tr> <td>710 mm</td> <td>2.0 A</td> <td>1.0 A</td> <td>0.8 A</td> <td>24</td> <td>600</td> </tr> <tr> <td>850 mm</td> <td>2.25 A</td> <td>1.125 A</td> <td>0.9 A</td> <td>27</td> <td>720</td> </tr> <tr> <td>990 mm</td> <td>2.75 A</td> <td>1.375 A</td> <td>1.1 A</td> <td>33</td> <td>840</td> </tr> <tr> <td>1130 mm</td> <td>3.0 A</td> <td>1.5 A</td> <td>1.2 A</td> <td>36</td> <td>960</td> </tr> </tbody> </table>	Light Length	12V dc	24V dc	30V dc	Watts	Lumens (Typical)	145 mm	0.5 A	0.25 A	0.2 A	6	120	285 mm	0.75 A	0.375 A	0.3 A	9	240	430 mm	1.25 A	0.625 A	0.5 A	15	360	570 mm	1.5 A	0.75 A	0.6 A	18	480	710 mm	2.0 A	1.0 A	0.8 A	24	600	850 mm	2.25 A	1.125 A	0.9 A	27	720	990 mm	2.75 A	1.375 A	1.1 A	33	840	1130 mm	3.0 A	1.5 A	1.2 A	36	960
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Light Characteristics	Color Temperature (CCT): 5,000–8,300 K Color: Cool white																																																						
Useful Life	When operating within specifications, output will decrease less than 30% after 50,000 hours.																																																						
Construction	Clear anodized aluminum housing; black painted zinc end caps; clear acrylic window; zinc plated steel brackets																																																						
Mounting	(2) swivel brackets and (4) screws included																																																						
Environmental Rating	IP50																																																						

More
on next
page

WLS28 Specifications (cont'd)

Connections	Integral 4-pin Euro style QD or 2 m integral cable, depending on model. QD cordsets are ordered separately. See page 409.
Operating Conditions	Temperature: -20° to +50° C Relative Humidity: 90% (non-condensing) Storage Temperature: -40° to +85° C
Certifications	
Application Notes	When connecting cascading lights in series it is important not to exceed maximum current limitations: Maximum linear feet of light at 12V dc = 1.5 m Maximum linear feet of light at 24V dc = 3.0 m Maximum linear feet of light at 30V dc = 3.1 m
Hookup Diagrams	LI25 (p. 775)

Photoelectrics
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Wireless

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Laser Scanners

Fiber Optic
Safety Systems

Safety Controllers &
Modules


Safety Two-Hand
Control Modules

Safety Interlock
Switches

Emergency Stop &
Stop Control

Cordsets

Euro QD		
See page 682		
Threaded 4-Pin		
Length	Straight	Right-Angle
1.83 m	MQDC-406	MQDC-406RA
4.57 m	MQDC-415	MQDC-415RA
9.14 m	MQDC-430	MQDC-430RA




Additional cordset information available. See page 679.

Euro QD-Double-Ended		
See page 697		
Threaded 4-Pin		
Length	Straight/Straight	Straight/Right-Angle
0.91 m	MQDEC-403SS	MQDEC-403RS
1.83 m	MQDEC-406SS	MQDEC-406RS
3.66 m	MQDEC-412SS	MQDEC-412RS
6.10 m	MQDEC-420SS	MQDEC-420RS
9.14 m	MQDEC-430SS	MQDEC-430RS
15.2 m	MQDEC-450SS	MQDEC-450RS



Euro QD-Splitter		
See page 685		
Length		
Branches	Trunk	Threaded 4-Pin
0 m	0 m	CSB-M1240M1240
0.30 m	0 m	CSB-M1240M1241
0.30 m	0.30 m	CSB-M1241M1241
0.30 m	2.50 m	CSB-M1248M1241
0.30 m	4.60 m	CSB-M12415M1241
0.03 m	7.60 m	CSB-M12425M1241



Brackets

WLS28
 pg. 676 SMBWLS28RA

Additional bracket information available. See page 620.

TASK LIGHTS

WL50

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VISION LIGHTS

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