


# Lighting Solutions

**BANNER**<sup>®</sup>  
more sensors, more solutions



# WLB32 LED Light Bar


Family	Voltage	Cascadable	Lighted Length (mm)	Window	Control	Connector	Plug Type (AC Models)
<b>WLB32</b>	<b>Z</b>	<b>C</b>	<b>285</b>		<b>PB</b>	<b>QM</b>	<b>B</b>
	Z = AC Blank = DC	C = Cascadable	285 570 850 1130	Blank = Standard Diffuse E = Eye Shield Diffuse	PB = Hi/Low/OFF Blank = No Switch M = Motion	Blank = Cable (DC) Q = M12 QD (DC) QM = AC	B = North & Central America, Japan, Taiwan. D = India, Sri Lanka, Nepal, Namibia. EF = France, Belgium, Slovakia, Tunisia, Germany, Austria, Netherlands, Spain, S. Korea. G = UK, Ireland, Cyprus, Malta, Malaysia, Singapore, Hong Kong, Vietnam. I = Australia, New Zealand, Papua New Guinea, Argentina, China. N = Brazil, South Africa. C = AC connector with flying leads. Blank = No power cord



IP50

# WLB92 Industrial Light Bar

AC Conduit Models	Family	Voltage	Color	Cascadable	Lighted Length (mm)	Control	Connector
	<b>WLB92</b>	<b>Z</b>		<b>C</b>	<b>550</b>	<b>A</b>	<b>CT</b>
		Z = AC	<ul style="list-style-type: none"> <li>○ Blank = Daylight White</li> <li>○ WW = Warm White</li> <li>● R = Red</li> <li>● G = Green</li> <li>● Y = Yellow</li> <li>● B = Blue</li> </ul>	C = Cascadable	550 1100	A = 0-10 V Analogue Dimming	CT = Conduit Entry



IP50

Family	Voltage	Cascadable	Color	Lighted Length (mm)	Control	Connector	Plug Type (1.8 m Cable)
<b>WLB92</b>	<b>Z</b>	<b>C</b>		<b>550</b>	<b>PB</b>	<b>QM</b>	<b>B</b>
AC Quick-Disconnect Models	Z = AC	C = Cascadable	<ul style="list-style-type: none"> <li>○ Blank = Daylight White</li> <li>○ WW = Warm White</li> <li>● R = Red</li> <li>● G = Green</li> <li>● Y = Yellow</li> <li>● B = Blue</li> </ul>	550 1100	PB = Switch, Dimming Knob	QM = AC	B = N. & C. America, Japan, Taiwan. D = India, Sri Lanka, Nepal, Namibia. EF = Mainland EU & S. Korea. G = UK, Ireland, Cyprus, Malta, Malaysia, Singapore, Hong Kong, Vietnam. I = Australia, New Zealand, Papua New Guinea, Argentina, China. N = Brazil, South Africa. C = AC connector with flying leads. Blank = No power cord


Family	Cascadable	Color	Lighted Length (mm)	Control	Connector
<b>WLB92</b>	<b>X</b>		<b>550</b>	<b>PB</b>	<b>Q</b>
DC Models	X = Non-Cascadable	<ul style="list-style-type: none"> <li>○ Blank = Daylight White</li> <li>○ WW = Warm White</li> <li>● R = Red</li> <li>● G = Green</li> <li>● Y = Yellow</li> <li>● B = Blue</li> </ul>	550 1100	PB = Switch, Dimming Knob PWM = Dimmable via Pulse Width Modulation	Blank = 2 m Integral Cable Q = Integral 4-pin M12 QD

LC65P1T  
LED Dimming Controller



# WLS27 LED Strip Lights


Family	Cascadable	LED Colour	Lighted Length (mm)	Window	Construction	Control	Connector							
<b>WLS27</b>	<b>C</b>	<b>W</b>	<b>145</b>	<b>D</b>	<b>S</b>	<b>PWM</b>	<b>Q</b>							
<b>C</b> = Cascadable <b>X</b> = Non-Cascadable	<ul style="list-style-type: none"> <li>○ <b>W</b> = Cool White*</li> <li>○ <b>WW</b> = Warm White</li> <li>● <b>R</b> = Red</li> <li>● <b>G</b> = Green</li> <li>● <b>B</b> = Blue</li> <li>● <b>Y</b> = Yellow</li> </ul>	<table border="1"> <tr><td>145</td><td>710</td></tr> <tr><td>285</td><td>850</td></tr> <tr><td>430</td><td>990</td></tr> <tr><td>570</td><td>1130</td></tr> </table>	145	710	285	850	430	990	570	1130	<b>D</b> = Diffused Plastic	<b>S</b> = Sealed	<b>Blank</b> = None <b>PWM*</b> = Dimmable via Pulse Width Modulation * Only for cool white models	<b>Q</b> = Integral M12 QD
145	710													
285	850													
430	990													
570	1130													



IP67, IP68G, IP69K


# WLS28-2 LED Strip Lights

Family	Cascadable	LED Colour	Lighted Length (mm)	Window	Construction	Control	Connector							
<b>WLS28-2</b>	<b>C</b>	<b>W<sup>(1)</sup></b>	<b>145</b>	<b>D</b>	<b>X</b>	<b>PB</b>	<b>Q</b>							
<b>C</b> = Cascadable <b>X</b> = Non-Cascadable	<ul style="list-style-type: none"> <li>○ <b>W</b> = Cool White<sup>(2)</sup></li> <li>○ <b>WW</b> = Warm White</li> <li>● <b>R</b> = Red</li> <li>● <b>G</b> = Green</li> <li>● <b>B</b> = Blue</li> <li>● <b>Y</b> = Yellow</li> </ul>	<table border="1"> <tr><td>145</td><td>710</td></tr> <tr><td>285</td><td>850</td></tr> <tr><td>430</td><td>990</td></tr> <tr><td>570</td><td>1130</td></tr> </table>	145	710	285	850	430	990	570	1130	<b>Blank</b> = Clear Plastic <b>D</b> = Diffused Plastic <b>L25</b> = 25° Lensed Window	<b>S</b> = Sealed <sup>(3)</sup> <b>X</b> = Not Sealed <sup>(3)</sup> Sealed models not available with ON/OFF Switch	<b>Blank</b> = None <b>M</b> = Motion Switch <b>PB<sup>(3)</sup></b> = Hi/Low/OFF <b>PWM<sup>(2)</sup></b> = Dimmable via Pulse Width Modulation <sup>(2)</sup> Only for cool white models	<b>Blank</b> = 2 m Integral Cable <b>Q</b> = Integral M12 QD
145	710													
285	850													
430	990													
570	1130													



(1) UV models also available, contact factory for more information

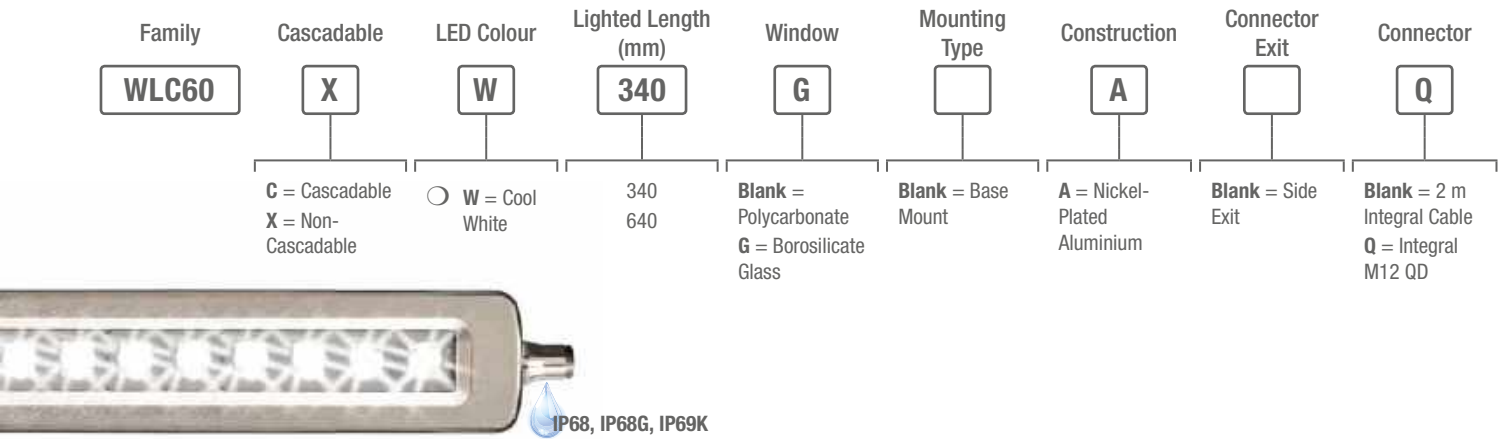
Non-sealed models: IP50  
Sealed models: IP67, IP69K



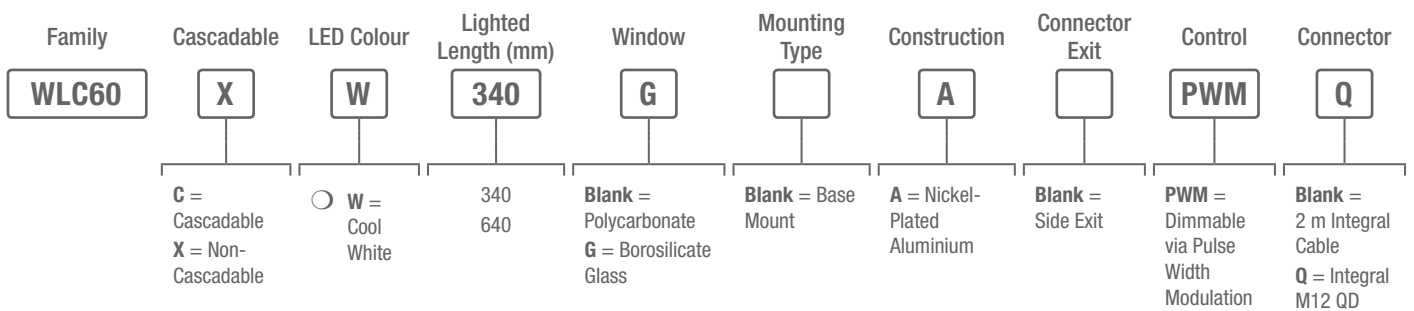
# WLS28-2 Dual-Colour LED Strip Lights

Family	Cascadable	Colours (C) / Density (D)	Lighted Length (mm)	Window	Construction	Control	Connector								
<b>WLS28-2</b>	<b>X</b>	<b>C1: W</b> <b>D1:</b> <b>C2: R</b> <b>D2: 2</b>	<b>285</b>	<b>D</b>	<b>X</b>	<b>PB</b>	<b>Q</b>								
<b>C</b> = Cascadable <b>X</b> = Non-Cascadable	<ul style="list-style-type: none"> <li>○ <b>W</b> = Daylight White</li> <li>● <b>B</b> = Blue</li> <li>● <b>R</b> = Red</li> <li>● <b>Y</b> = Yellow</li> <li>● <b>G</b> = Green</li> </ul>	<b>Density</b> – <b>Blank</b> = 100% <b>2</b> = 50% <b>3</b> = 33%	<table border="1"> <tr><td>145</td></tr> <tr><td>285</td></tr> <tr><td>430</td></tr> <tr><td>570</td></tr> <tr><td>710</td></tr> <tr><td>850</td></tr> <tr><td>990</td></tr> <tr><td>1130</td></tr> </table>	145	285	430	570	710	850	990	1130	<b>Blank</b> = Clear Plastic <b>D</b> = Diffused Plastic <b>L25</b> = 25° Lensed Window	<b>S</b> = Sealed* <b>X</b> = Not Sealed * Sealed models not available with ON/OFF Switch	<b>Blank</b> = None <b>PB*</b> = Colour 1/OFF/Colour 2	<b>Blank</b> = 2 m Integral Cable <b>Q</b> = Integral M12 QD
145															
285															
430															
570															
710															
850															
990															
1130															

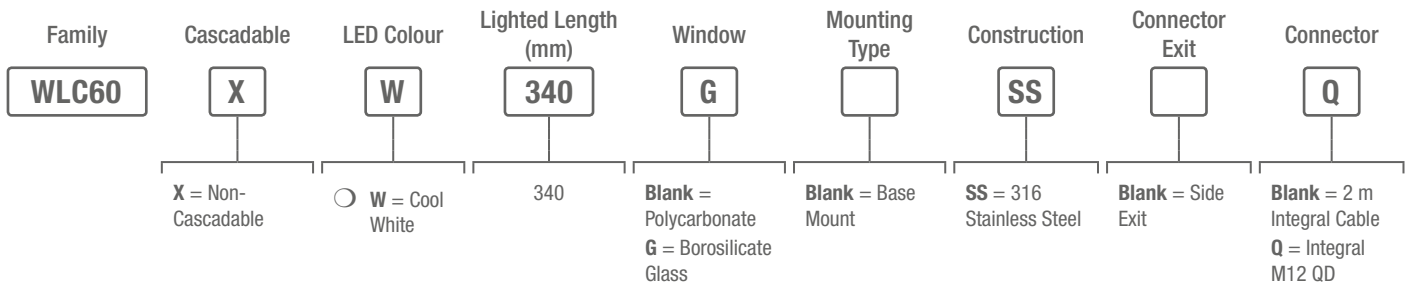
# WLC60 Heavy-Duty LED Lights



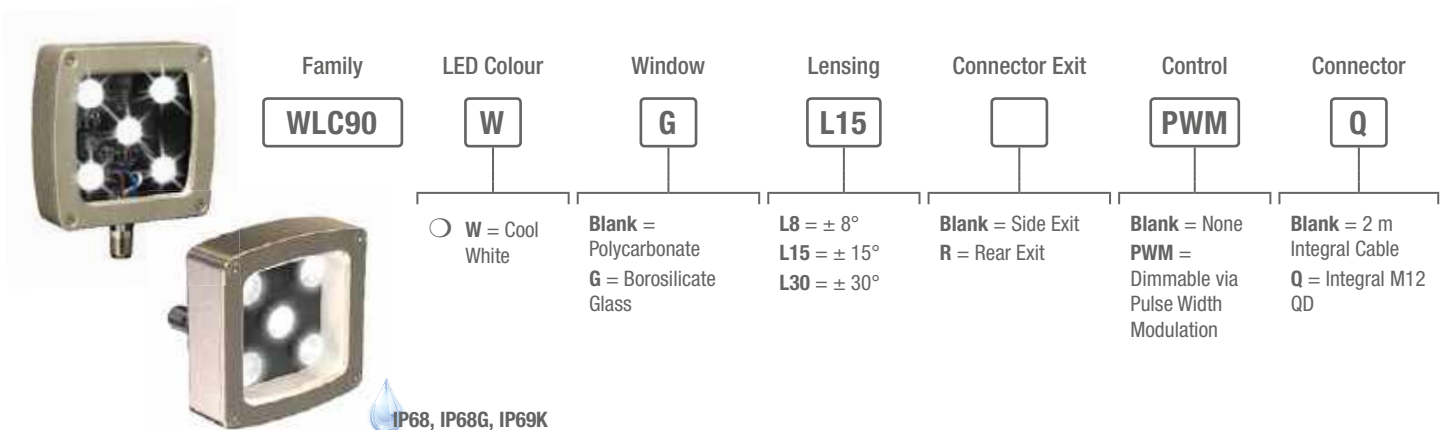
## WLC60 LED Light – Dimmable Models



## WLC60 LED Light – Stainless Steel Models

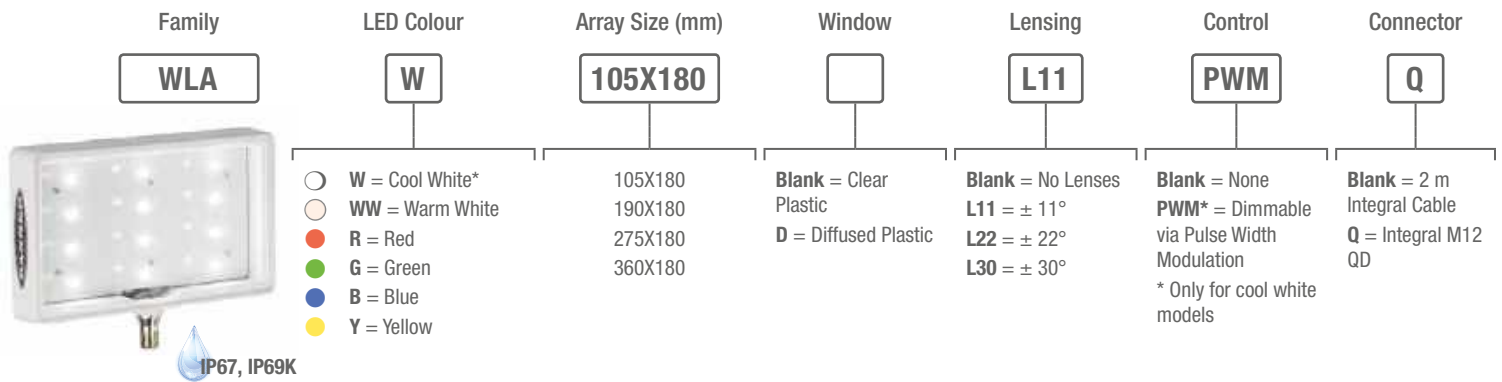


# WLC90 Heavy-Duty LED Lights

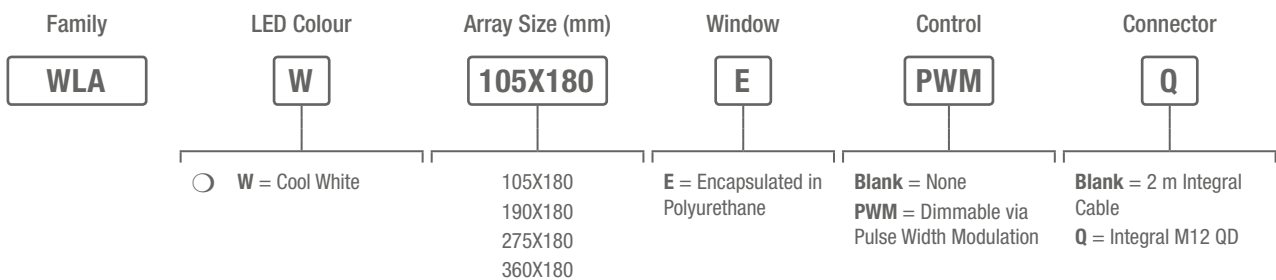


# WLA LED Area Lights

## Standard Models

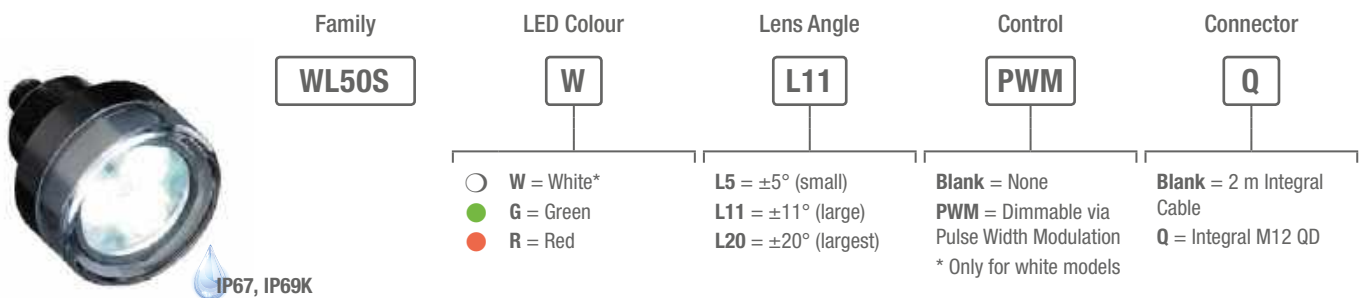


## Encapsulated Models

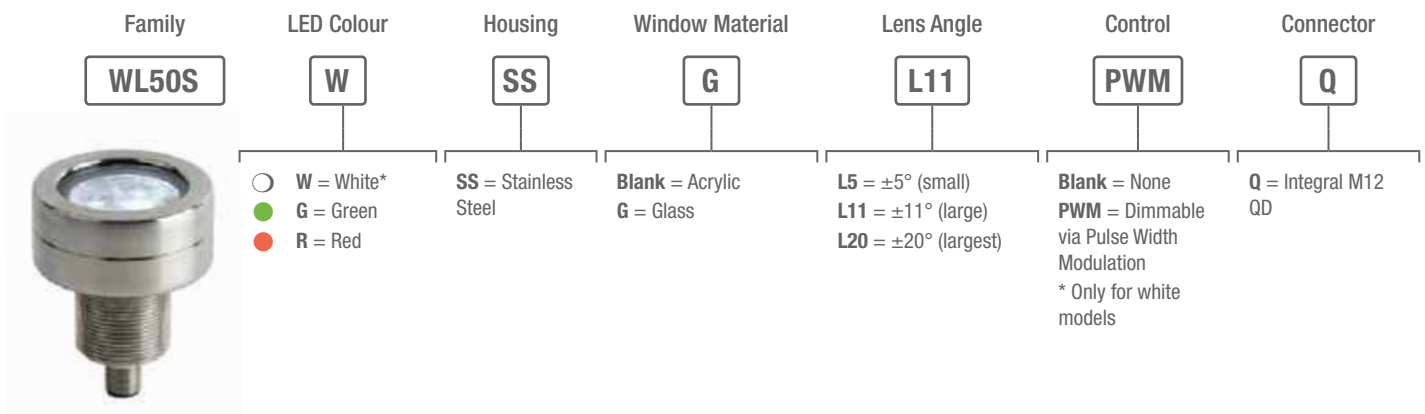


# WL50S LED Spot Lights

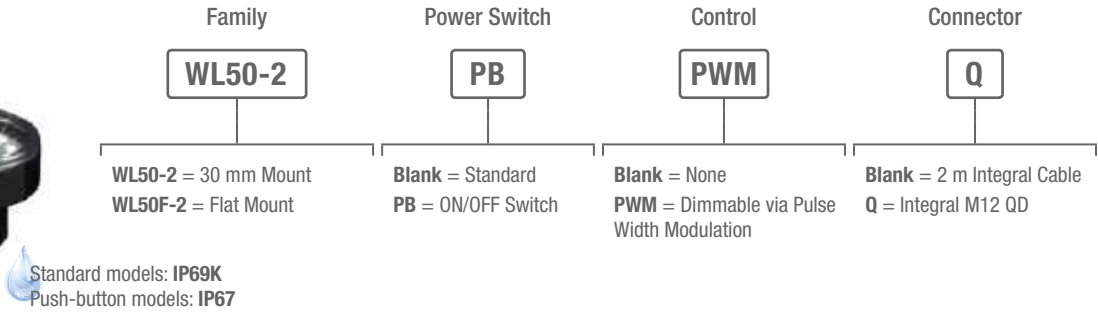
## Black Anodized Aluminium Models



## Stainless Steel Models



# WL50-2 LED Work Lights



## Flex Arm



Models	Base Connection	Light Connection	Brackets		
FLX18-1212	 1/2-14 NPSM	1/2-14 NPSM (Male) Use with: WL50 WL50PB WL50-2 WL50-2PB	 <b>SMB22A</b>	 <b>SMBFLXMAG</b> SMBFLXMAGR – Protective cover for magnet sold separately	 <b>LMBE12RA</b>
FLX18-F12	 3-Hole Flange		Direct Mount		
FLX18-12M30	 1/2-14 NPSM	 M30 x 1.5 (Female) Use with: WL50 WL50PB WL50-2 WL50-2PB WL50S	 <b>SMB22A</b>	 <b>SMBFLXMAG</b> SMBFLXMAGR – Protective cover for magnet sold separately	 <b>LMBE12RA</b>
FLX18-DM30	 2 x 1/4-20W 1.375 spacing		 <b>SMBFLXCLAMPD</b>	 <b>SMBFLXMAGD</b> SMBFLXMAGDR – Protective cover for magnet sold separately	
FLX18-FM30	 3-Hole Flange	Direct Mount			

# Vision Lights

## Linear Array Lights

Linear Array Lights effectively illuminate large areas over long distances while cutting through dust, mist and grime

## LED Area Lights

Area Lights provide even illumination with high-intensity lights for the highest levels of contrast to help vision sensors detect the presence or absence of a feature

## LED On-Axis Lights

Banner's innovative On-Axis Lights use a beam splitter to focus light along a camera's optical axis, providing even, diffused illumination

## LED Back Lights

Banner Backlights provide more optical contrast by creating an image that shows a silhouette of a part, allowing for inspection of size and shape

## LED Ring Lights

Ring Lights brightly illuminate the area directly in front of a camera and are especially useful for small parts and high-speed inspections

## Low-Angle Ring Lights

Low-Angle Ring Lights enhance the contrast of surface features, making them ideal for a number of quality, identification and verification applications

## LED Spot Lights

Banner's Spot Lights are compact to fit into tight spaces, and when properly placed can effectively create shadows or highlights to boost optical contrast



# Supply Voltage & IP Rating

Family	Supply Voltage DC Models	Supply Voltage AC Models	IP Rating
WLB32	12-30 VDC	90-264 VAC	IP50 Dry location only
WLB92	24 VDC	100-277 VAC	IP50
WLS27	12-30 VDC	/	IP68, IP68G, IP69K
WLS28-2	12-30 VDC	/	Non-sealed Models: IP50 – Sealed Models: IP67, IP69K
WLC60	12-30 VDC	/	IP68, IP68G, IP69K
WLC90	12-30 VDC	/	IP68, IP68G, IP69K
WLA	12-30 VDC	/	IP67, IP69K
WL50S	12-30 VDC	/	IP67, IP69K
WL50-2	12-30 VDC	/	Standard models: IP69K – Push-button models: IP67

# Additional Resources



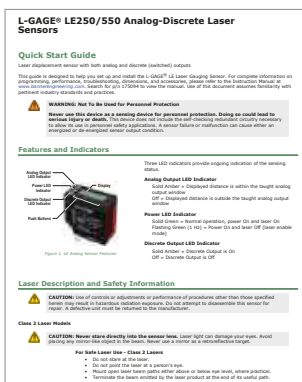
Complete Catalogue



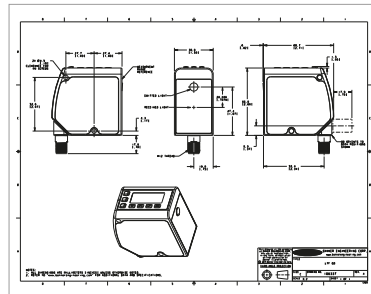
Video Channel



Web Site



Data Sheets



CAD, STP, DXF or PDF drawings

# More Sensors, More Solutions



Machine Safety



Sensors



Vision



Lighting & Indication



Wireless I/O

