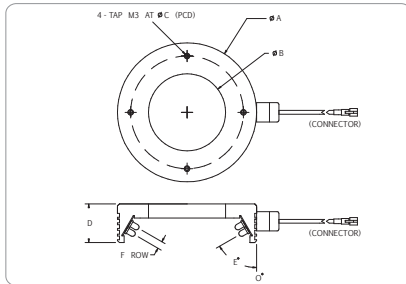
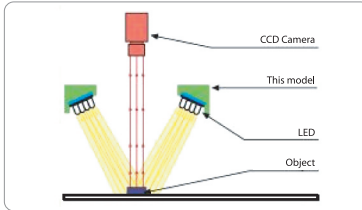


2017 Direct Illumination

LLA SERIES - Low Angle Illumination

LED arrays are arranged in low angle to provide side illumination. LLA series are available in 2 and 3 rows to suit different brightness requirements.

Application: edge detection, scratched on metal or glossy surface.



Technical Specification:
 - Color Red, Green, Blue and White
 - 24V DC Input Power
 - Continuous and Strobe Applications
 - Compact Size
 - Lighting Cable 500mm

Customize Lighting:
 - Customize Sizes, Mounting requirements
 - Color and Voltage Available
 - Consult Technical Sales for More Information

Model	Dimensions (MM)						Color	Voltage / Watt	Current	Weight (g)
	ØA	ØB	ØC	D	E	F (ROW)				
LLA-60-070-2-X	74.0	41.0	60.0	20.5	60.0	2.0	●●●○ ●●○● ●●○●	24V / 3.60W 24V / 4.68W	150mA 195mA	90
LLA-60-090-2-X	90.0	57.0	75.0	20.5	60.0	2.0	●●●○ ●●○● ●●○●	24V / 4.32W 24V / 5.76W	180mA 240mA	114
LLA-60-150-3-X	151.0	114.0	136.0	23.5	60.0	3.0	●●●○ ●●○● ●●○●	24V / 2.88W 24V / 2.88W 24V / 7.65W	120mA 120mA 320mA	300
LLA-60-200-2-X	202.0	167.0	186.0	20.5	60.0	2.0	●●●○ ●●○● ●●○●	24V / 11.88W 24V / 15.12W	495mA 630mA	350
LLA-75-130-3-X	131.0	94.0	116.0	24.5	75.0	3.0	●●●○ ●●○● ●●○●	24V / 10.80W 24V / 14.04W	450mA 585mA	260
LLA-75-170-3-X	175.0	136.0	159.0	24.5	75.0	3.0	●●●○ ●●○● ●●○●	24V / 10.08W 24V / 12.96W 24V / 13.68W 24V / 17.64W	420mA 540mA 570mA 735mA	410

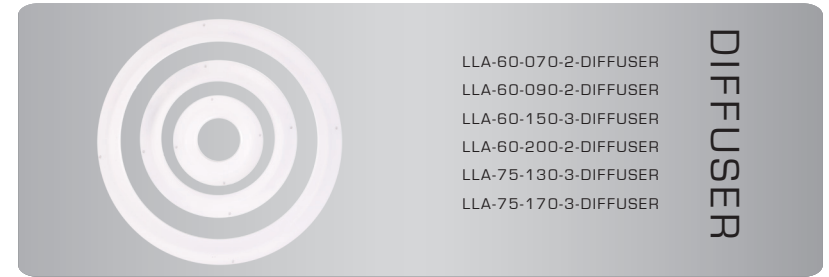
Remark: 2 types of white are available- W: Cool White WW: Yellowish White

2017 Direct Illumination

LLA Series for angle of 60 & 75 degree – Available with Optional Items

Optional Diffuser

Diffuser can be added to LLA Series for more even light distribution. Diffuser Help to reduce shine from glossy application and produce lighting softer, more beautiful and more shadow-free. It is also able to improve the evenness of lighting. The thickness of diffuser is 2mm.

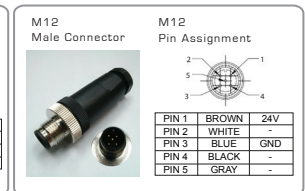
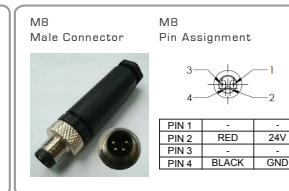
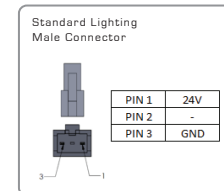


Optional Polarizer

Polarizer can be added. Polarizer ensure the maximum extinction of unwanted glare and absorbed harsh reflection to provide better performance. The thickness of polarizer is 0.8 mm.



Optional Connector



Product Part Numbering System :
 LLA-60-070-2-X-24V-M8

Product Part Numbering System :
 LLA-60-070-2-X-24V-M12