



Professional LED Canopy Lighting

LCL-A series: Available in 70W, 100W and 150W in recessed and surface mount models

ENSA™ professional LED canopy light series is comprised of energy efficient, recessed and surface mount light fixtures, purpose built for low-bay or canopy lighting applications. They are an ideal, efficient replacement for metal halide and HPS lamps.

Each light in the series features an IP65 dust/water ingress protection rating making them perfect for demanding lighting applications such as in petroleum stations, car parks & car washes, industrial lighting and more. This series utilises high quality CREE LEDs for high-intensity light output and long LED lifespan.

- Efficient replacements for high intensity discharge lamps.
- Rectangular light pattern with 90° x 60° beam angle.
- High quality CREE LEDs with 35,000 hours rated lifespan.
- Superior aluminium thermal management system.
- Available in a variety of colour temperatures.
- IP65 dust and weather resistant for external use

Series Specifications

Model	LCL-A70	LCL-A100	LCL-A150																																																						
Product Image																																																									
Series Name	LCL-A Series Professional LED Canopy Lights																																																								
Optical																																																									
Luminous Flux	6500lm	9500lm	12500lm																																																						
Luminous Efficacy	93lm/W	95lm/W	84lm/W																																																						
Colour Temperature	3000K / 4500K / 6500K																																																								
Colour Rendering Index	>75																																																								
Beam Angle	90° x 60°																																																								
Light Decay	<15% at 20,000 hours																																																								
Rated Lifespan	35,000 hours																																																								
Electrical																																																									
Power Consumption	70W	100W	150W																																																						
Input Voltage	85 ~ 265VAC																																																								
Power Factor	> 0.95																																																								
Dimmable	N/A																																																								
General																																																									
Ingress Protection	IP65																																																								
Plug / Socket / Base	3-pin AC plug																																																								
Reflector / Diffuser	Clear glass																																																								
Housing Adjustments	N/A																																																								
Operating Environment	-20° ~ 40°C																																																								
Dimensions	445 x 445 x 213mm (surface) / 479 x 479 x 180mm (recessed)																																																								
Equivalent Wattage	150W metal-halide	200W metal-halide	300W metal-halide																																																						
Photometry																																																									
Illuminance at a Distance	<table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>2454</td><td>1.30</td></tr> <tr><td>2m</td><td>614</td><td>2.59</td></tr> <tr><td>3m</td><td>273</td><td>3.89</td></tr> <tr><td>4m</td><td>153</td><td>5.18</td></tr> <tr><td>5m</td><td>98</td><td>6.48</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	2454	1.30	2m	614	2.59	3m	273	3.89	4m	153	5.18	5m	98	6.48	<table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>3442</td><td>1.27</td></tr> <tr><td>2m</td><td>861</td><td>2.53</td></tr> <tr><td>3m</td><td>382</td><td>3.80</td></tr> <tr><td>4m</td><td>215</td><td>5.07</td></tr> <tr><td>5m</td><td>138</td><td>6.34</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	3442	1.27	2m	861	2.53	3m	382	3.80	4m	215	5.07	5m	138	6.34	<table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1m</td><td>4825</td><td>1.27</td></tr> <tr><td>2m</td><td>1206</td><td>2.54</td></tr> <tr><td>3m</td><td>536</td><td>3.81</td></tr> <tr><td>4m</td><td>302</td><td>5.08</td></tr> <tr><td>5m</td><td>193</td><td>6.35</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	4825	1.27	2m	1206	2.54	3m	536	3.81	4m	302	5.08	5m	193	6.35
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Luminous Light Distribution																																																									

Ordering Information

Type	Series	Wattage	Colour Temperature	Other Features	
LCL	-	A	70 (70W) 100 (100W) 150 (150W)	- CW (Cool white) NW (Natural white) WW (Warm white)	R (Recessed)
LCL-A150-NWR: 150W Recessed Mount LED Canopy Light in Natural White					