



## Professional LED Canopy Lighting




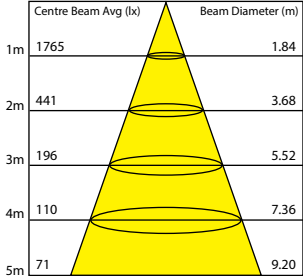
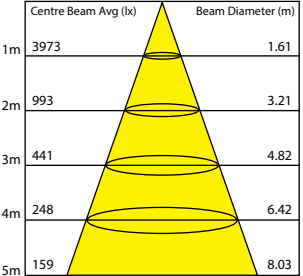
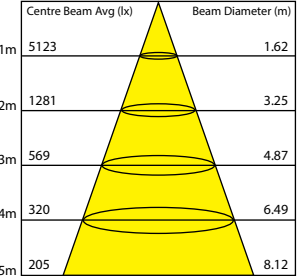
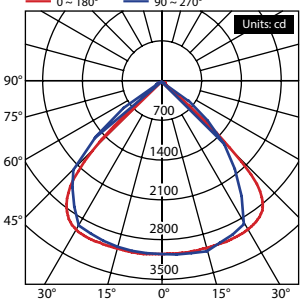
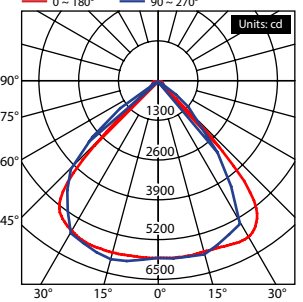
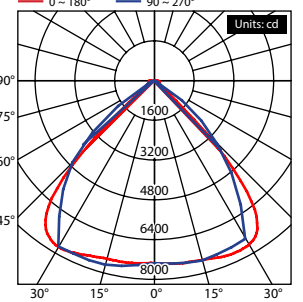
LCL-B series: Available in 50W, 100W and 150W in recessed and surface mount models

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 Samsung and Epistar LEDs for high-intensity light output and long LED lifespan.

- Efficient replacements for high intensity discharge lamps.
- Square light pattern with 90° x 90° beam angle.
- High quality LEDs with up to 30,000 hrs rated lifespan.
- Superior aluminium thermal management system.
- Available in natural white colour temperature.
- IP65 dust and weather resistant for external use.

## Series Specifications

Model	LCL-B50	LCL-B100	LCL-B150																																				
Product Image																																							
Series Name	LCL-B Series Professional LED Canopy Lights																																						
<b>Optical</b>																																							
Luminous Flux	5500lm	10500lm	15500lm																																				
Luminous Efficacy	>100lm/W	>100lm/W	>100lm/W																																				
LED Package	Epistar	Samsung	Samsung																																				
Colour Temperature		4500K																																					
Colour Rendering Index		>80																																					
Beam Angle		90° x 90°																																					
Light Decay		<3% at 6,000 hours																																					
Rated Lifespan		30,000 hours																																					
<b>Electrical</b>																																							
Power Consumption	50W	100W	150W																																				
Input Voltage		100 ~ 240VAC																																					
Power Factor	>0.90	>0.95	>0.95																																				
Dimmable		N/A																																					
<b>General</b>																																							
Ingress Protection		IP65																																					
Plug / Socket / Base		3-pin AC plug																																					
Reflector / Diffuser		Individual clear acrylic LED lens (PMMA)																																					
Housing Adjustments		N/A																																					
Operating Environment		-20° ~ 45°C / 15~90% humidity																																					
Dimensions		300 x 300 x 89mm (surface) / 400 x 400 x 90mm (recessed, 320 x 320mm cutout size)																																					
Equivalent Wattage	150W metal-halide	225W metal-halide	300W metal-halide																																				
<b>Photometry</b>																																							
Illuminance at a Distance	 <table border="1"> <thead> <tr> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>1765</td><td>1.84</td></tr> <tr><td>441</td><td>3.68</td></tr> <tr><td>196</td><td>5.52</td></tr> <tr><td>110</td><td>7.36</td></tr> <tr><td>71</td><td>9.20</td></tr> </tbody> </table>	Centre Beam Avg (lx)	Beam Diameter (m)	1765	1.84	441	3.68	196	5.52	110	7.36	71	9.20	 <table border="1"> <thead> <tr> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>3973</td><td>1.61</td></tr> <tr><td>993</td><td>3.21</td></tr> <tr><td>441</td><td>4.82</td></tr> <tr><td>248</td><td>6.42</td></tr> <tr><td>159</td><td>8.03</td></tr> </tbody> </table>	Centre Beam Avg (lx)	Beam Diameter (m)	3973	1.61	993	3.21	441	4.82	248	6.42	159	8.03	 <table border="1"> <thead> <tr> <th>Centre Beam Avg (lx)</th> <th>Beam Diameter (m)</th> </tr> </thead> <tbody> <tr><td>5123</td><td>1.62</td></tr> <tr><td>1281</td><td>3.25</td></tr> <tr><td>569</td><td>4.87</td></tr> <tr><td>320</td><td>6.49</td></tr> <tr><td>205</td><td>8.12</td></tr> </tbody> </table>	Centre Beam Avg (lx)	Beam Diameter (m)	5123	1.62	1281	3.25	569	4.87	320	6.49	205	8.12
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Luminous Light Distribution																																							

## Ordering Information

Type	Series	Wattage	Colour Temperature	Other Features
LCL	-	50 (50W) 100 (100W) 150 (150W)	-	N (Natural white)
				R (Recessed)
LCL-B150-NR: 150W Recessed Mount LED Canopy Light in Natural White				