



Ultra Thin & Surface Mount LED Downlights





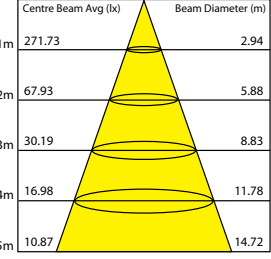
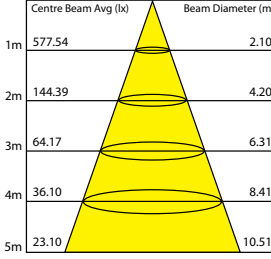
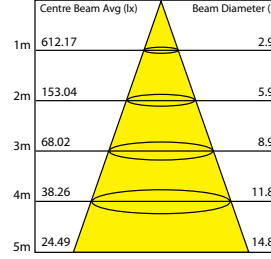
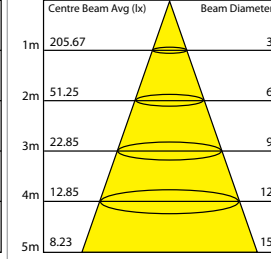
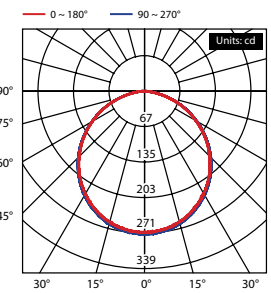
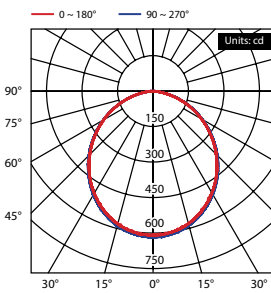
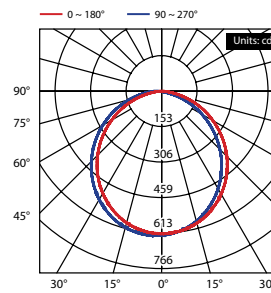
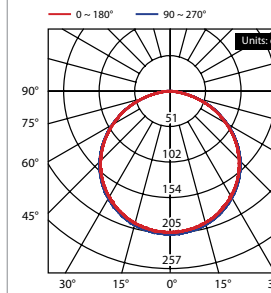
LDL-D Series: Available 12W, 18W and 24W models, in two colour temperatures

The ENSA™ LDL-D Series features ultra thin LED downlights in two distinct housing styles. Available in surface mount or ultra-thin recessed mount, LDL-D Series downlights offer stylish & efficient general purpose lighting in warm and cool white colour temperatures.

With a profile of as little as 15mm, ultra-thin housing downlights (LDL-DT) can be installed in tight wall or ceiling cavities. Surface mount models (LDL-DS) offer an elegant lighting fixture with a simple U-bracket for easy installation.

- Available in ultra-thin recessed & surface mount designs.
- 70lm/W LED performance, available in 3000K & 6000K.
- Frosted diffuser for low-glare, pleasing LED lighting.
- >80 colour rendering & 35,000 hours rated LED lifespan.
- Variety of hole cut sizes: Ø155mm, Ø205mm, Ø280mm.
- Includes mounting kits with screws & wall plugs.

Series Specifications

Model	LDL-DT12	LDL-DT18	LDL-DT24	LDL-DS12																																																																								
Product Image																																																																												
Series Name	LDL-D Series: Ultra Thin & Surface Mount LED Downlights																																																																											
Optical																																																																												
Light Output	840lm	1260lm	1680lm	840lm																																																																								
Luminous Efficacy	70lm/W																																																																											
Colour Temperature	3000K / 6000K																																																																											
Colour Rendering Index	> 80																																																																											
Beam Angle	110°																																																																											
Rated Lifespan	>35,000 hours																																																																											
Electrical																																																																												
Power Consumption	12W	18W	24W	12W																																																																								
Input Voltage	85-265VAC																																																																											
Power Factor	> 0.5																																																																											
Dimmable	No																																																																											
General																																																																												
Plug / Socket / Base	No plug, external driver																																																																											
Reflector / Diffuser	Frosted diffuser																																																																											
Housing Adjustments	N/A																																																																											
Operating Environment	-30 ~ +50°C																																																																											
Dimensions	Ø170 x 15mm	Ø225 x 20mm	Ø300 x 20mm	Ø170 x 35mm																																																																								
Hole Cut Size	Ø155mm	Ø205mm	Ø280mm	N/A																																																																								
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>271.73</td><td>2.94</td></tr> <tr><td>2m</td><td>67.93</td><td>5.88</td></tr> <tr><td>3m</td><td>30.19</td><td>8.83</td></tr> <tr><td>4m</td><td>16.98</td><td>11.78</td></tr> <tr><td>5m</td><td>10.87</td><td>14.72</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	271.73	2.94	2m	67.93	5.88	3m	30.19	8.83	4m	16.98	11.78	5m	10.87	14.72	 <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>577.54</td><td>2.10</td></tr> <tr><td>2m</td><td>144.39</td><td>4.20</td></tr> <tr><td>3m</td><td>64.17</td><td>6.31</td></tr> <tr><td>4m</td><td>36.10</td><td>8.41</td></tr> <tr><td>5m</td><td>23.10</td><td>10.51</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	577.54	2.10	2m	144.39	4.20	3m	64.17	6.31	4m	36.10	8.41	5m	23.10	10.51	 <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>612.17</td><td>2.97</td></tr> <tr><td>2m</td><td>153.04</td><td>5.94</td></tr> <tr><td>3m</td><td>68.02</td><td>8.91</td></tr> <tr><td>4m</td><td>38.26</td><td>11.88</td></tr> <tr><td>5m</td><td>24.49</td><td>14.85</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	612.17	2.97	2m	153.04	5.94	3m	68.02	8.91	4m	38.26	11.88	5m	24.49	14.85	 <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>205.67</td><td>3.06</td></tr> <tr><td>2m</td><td>51.25</td><td>6.12</td></tr> <tr><td>3m</td><td>22.85</td><td>9.18</td></tr> <tr><td>4m</td><td>12.85</td><td>12.23</td></tr> <tr><td>5m</td><td>8.23</td><td>15.29</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	205.67	3.06	2m	51.25	6.12	3m	22.85	9.18	4m	12.85	12.23	5m	8.23	15.29
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Luminous Light Distribution																																																																												

Ordering Information

Type	Housing	Wattage	Colour Temperature
LDL-D	T (Ultra Thin)	12 (12W) 18 (18W) 24 (24W)	W (Warm white) C (Cool white)
	S (Surface)	12 (12W)	W (Warm white) C (Cool white)
LDL-DT24-W: 24W Ultra Thin Downlight in Warm White			