



Recessed Adjustable LED Downlights

LDL-BC series: Available in 10W and 12W dimmable models, in two colour temperatures

The ENSA™ LDL-BC series comprises a unique range of downlights, available in standard lens and recessed lens models. Standard lens models offer a concentrated circular light distribution with 60° beam angle. All models are dimmable.

Designed to be discreet, recessed lens models have the lens front positioned away from the light opening. Combined with their 20° narrow beam angle and tilt-adjustable housing, they subtly cast light that is free of glare when viewed from almost all angles. Light openings for recessed models are available in circle and elliptical openings.

- Tilt adjustable LED downlights in 10W and 12W models.
- Dimmable, energy efficient replacement for halogens.
- Lateral tilt adjustable housing $\pm 20^\circ$ from origin.
- Flat-surface, low-profile white gimble (recessed models).
- Simple, stylish bevelled white gimble (standard models).
- Hole cut size: $\varnothing 80\text{mm}$ (10W) and $\varnothing 70\text{mm}$ (12W).

Series Specifications

Model	LDL-BC10-A1	LDL-BC10-A2	LDL-BC12-A																																																						
Product Image																																																									
Series Name	LDL-BC Deep-Recessed Adjustable Dimmable LED Downlights		LDL-BC Adjustable Dimmable LED Downlights																																																						
Optical																																																									
Luminous Flux	650lm		900lm																																																						
Luminous Efficacy	65lm/W		75lm/W																																																						
Colour Temperature	3000K / 6000K																																																								
Colour Rendering Index	> 80																																																								
Beam Angle	20°		60°																																																						
Light Decay	< 30% over 10,000 hours																																																								
Rated Lifespan	>35,000 hours																																																								
Electrical																																																									
Power Consumption	10W		12W																																																						
Input Voltage	100 ~ 240VAC																																																								
Power Factor	> 0.9																																																								
Dimmable	Yes																																																								
General																																																									
Plug / Socket / Base	3-pin AC plug with external driver																																																								
Reflector / Diffuser	Ellipse shape; deep recessed 'invisible' lens	Circle shape; deep recessed 'invisible' lens	Clear lens/diffuser																																																						
Housing Adjustments	-20° ~ +20° Lateral Tilt																																																								
Operating Environment	-20 ~ +40°C																																																								
Dimensions	Ø92 x 92mm		Ø100 x 90mm																																																						
Hole Cut Size	Ø80mm		Ø70mm																																																						
Equivalent Wattage	35W halogen		40W halogen																																																						
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>963</td><td>0.58</td></tr> <tr><td>2m</td><td>241</td><td>1.16</td></tr> <tr><td>3m</td><td>107</td><td>1.73</td></tr> <tr><td>4m</td><td>60</td><td>2.31</td></tr> <tr><td>5m</td><td>39</td><td>2.89</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	963	0.58	2m	241	1.16	3m	107	1.73	4m	60	2.31	5m	39	2.89	<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>948</td><td>0.58</td></tr> <tr><td>2m</td><td>237</td><td>1.16</td></tr> <tr><td>3m</td><td>105</td><td>1.74</td></tr> <tr><td>4m</td><td>59</td><td>2.32</td></tr> <tr><td>5m</td><td>38</td><td>2.90</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	948	0.58	2m	237	1.16	3m	105	1.74	4m	59	2.32	5m	38	2.90	<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>824</td><td>1.51</td></tr> <tr><td>2m</td><td>189</td><td>3.46</td></tr> <tr><td>3m</td><td>77</td><td>5.89</td></tr> <tr><td>4m</td><td>25</td><td>7.46</td></tr> <tr><td>5m</td><td>11</td><td>10.22</td></tr> </tbody> </table>	Distance (m)	Centre Beam Avg (lx)	Beam Diameter (m)	1m	824	1.51	2m	189	3.46	3m	77	5.89	4m	25	7.46	5m	11	10.22
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Luminous Light Distribution																																																									

Ordering Information

Type	Series	Wattage	Housing Style	Colour Temperature	Other
LDL	- BC	10 (10W) 12 (12W)	- A (Adjustable)	C (Cool white) W (Warm white)	1 ~ 9 (Identifier)
LDL-BC10-AC2: 10W Dimmable Adjustable LED Downlight in Cool White					