



greenlux
cost reduction LED lighting

Diamond Series **Square** LED Downlight

Available in Multiple Wattage
80% lumen maintenance at 50,000 hours

- No UV or IR rays. No mercury
- 30° tilt
- Triac / 0-10V / Dali Dimmable options
- Replaces traditional recessed lights
- High quality Sharp COB chipset
- High light output
- High quality Aluminum housing
- IP44 Rated
- 3 Years Warranty
- Applications include shopping centres, walkways, hotels, restaurants, galleries, display cases & household

Specifications

Colour Range	2700 ~ 5000k
Lumen Efficiency	80lm/W
Power Consumption	12W / 16W
Input Voltage	AC 100V ~ 240V
Output Voltage	36V
Current	12W 250mA 16W 350mA
Beam angle	20° / 36° / 50°
Ra	>85
Power Factor	>0.95
Chipset	Sharp COB
Driver	Class II



Dimensions & Materials

Product Dimensions (mm)	12W 102*102*65 16W 102*102*81
Cutout (mm)	Ø90
Housing Material	Aluminum Alloy
Reflector	1090 Aluminum, polished anodizing & clear diffuser
Housing Colour	Matte White, Matte Black, Satin Chrome or Anodised Silver





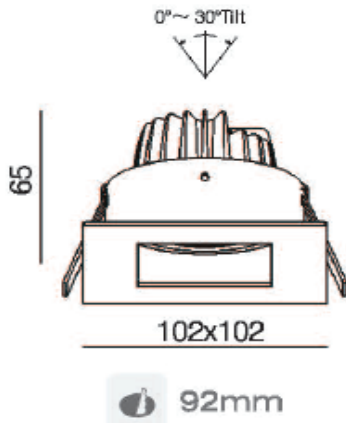
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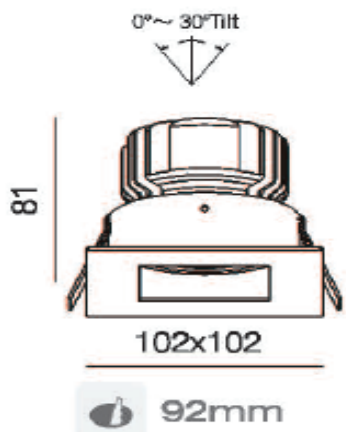
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Dimensions

12W

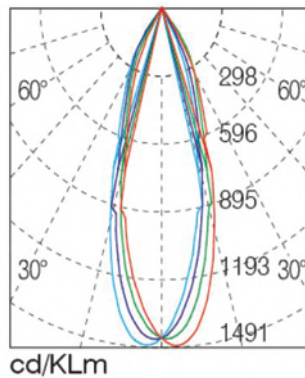


16W



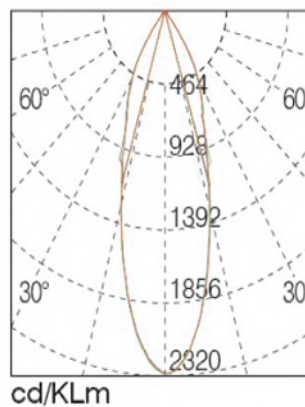
Photometric

Model: GDDIA-12W



H(m)	E(lx)	D(m)
Beam Angle: 33.0°		
1 m	1453.6 lx	0.58 m
2 m	363.40 lx	1.19 m
3 m	161.51 lx	1.75 m
4 m	90.85 lx	2.33 m
5 m	58.14 lx	2.92 m

Model: GDDIA-16W



H(m)	E(lx)	D(m)
Beam Angle: 33.3°		
1 m	2320.0 lx	0.59 m
2 m	580.02 lx	1.19 m
3 m	257.78 lx	1.79 m
4 m	145.00 lx	2.39 m
5 m	92.80 lx	2.99 m

Model

Model#	Dimensions (mm)	Cutout (mm)	Beam Angle	CCT	Lumens	Wattage	LED	Dimmer
GDDIA-12W	102*102*65	Ø90	20°/36°/50°	2700-5000k	960	12W	Sharp COB	Triac
GDDIA-16W	102*102*81	Ø90	20°/36°/50°	2700-5000k	1280	16W	Sharp COB	Triac