ZEN Recessed
LED Down light (reflector based)

For general indoors
main and decorative lighting

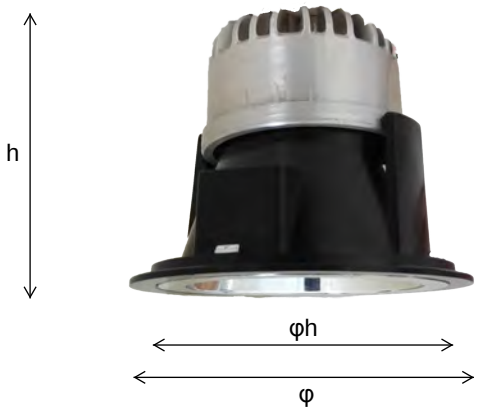
Highly efficient replacement to conventional down lights, saving both power and space. Miniature size and clamp fixation allows easy installation and maintenance even with confined space above false ceiling. Availability of a wide range of colors for reflector is a good asset for decorative lighting.

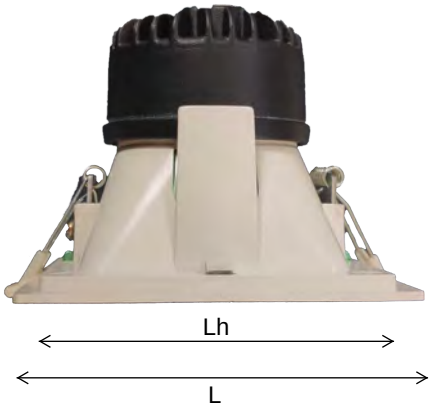




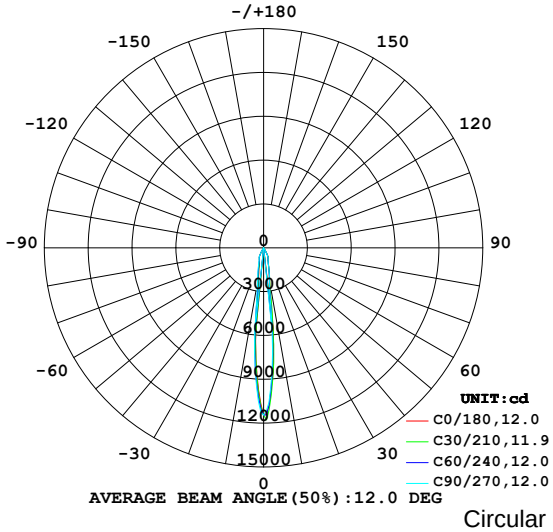
12W 150Lm/W IP20

Physical	
Mass	Circular: 0.265kg/ Squared: 0.32kg
Dimensions	Circular: φ113mm, φh 90mm / Squared: L112mm, Lh 96mm, h 90mm
Body	Electrostatically coated die cast Aluminum heat sink / Polycarbonate frame
Reflector	Specular (clear or tinted)
Protection	IP20
Mounting	False ceiling recessed, spring-loaded clamp
Photometric	
Light Source	COB LED
Efficacy	150 Lm/W
LOR	0.66
Spread angle	Circular: 12°/ Squared 30°
Spectrometric	
CCT	3000-6000°K
CRI	83
Electrical	
Power supply	220VAC, 50Hz
Power	12W
Current	0.057A (RMS)
Power Factor	0.965
THDI	11.8%

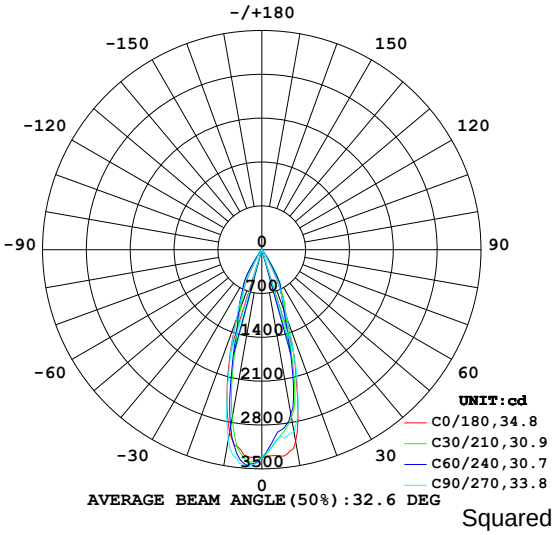




Polar radiation distribution

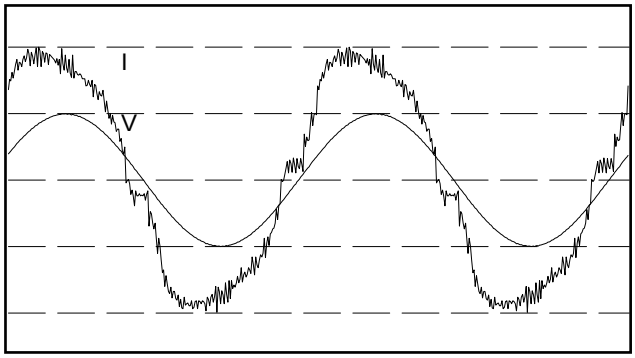


Circular



Squared

Electrical oscilloscopy



Art. no.	Type	Frame	Power	CCT
ZENSD12B-COB012230--	LED Down light ZEN circular	Black	12W	3000°K
ZENSD12W-COB012230--	LED Down light ZEN circular	White	12W	3000°K
ZENSL11B-COB012230--	LED Down light ZEN Squared	Black	12W	3000°K
ZENSL11W-COB012230--	LED Down light ZEN Squared	White	12W	3000°K
ZENSD12B-COB012240--	LED Down light ZEN circular	Black	12W	4000°K
ZENSD12W-COB012240--	LED Down light ZEN circular	White	12W	4000°K
ZENSL11B-COB012240--	LED Down light ZEN Squared	Black	12W	4000°K
ZENSL11W-COB012240--	LED Down light ZEN Squared	White	12W	4000°K
ZENSD12B-COB012260--	LED Down light ZEN circular*	Black	12W	6000°K
ZENSD12W-COB012260--	LED Down light ZEN circular*	White	12W	6000°K
ZENSL11B-COB012260--	LED Down light ZEN Squared*	Black	12W	6000°K
ZENSL11W-COB012260--	LED Down light ZEN Squared*	White	12W	6000°K

*for 6000°K models; reflectors with red, green and blue tinting are available.

Sources for software simulation for installation (*.IES, *.LDT files) and advanced test results are available on request
Performance described above requires proper installation according to internationally recognized codes and within mentioned operational limitations.
Any properties not directly affecting photometric, spectrometric or electrical performance are liable to change without prior notice.

SEGA.M ELECTRICAL PRODUCTS

Sega-M Electrical Products
Industrial Division: Industrial Area A3, 10th of Ramadan City, Tel.: (+2)0554332072 - 0554332080, Fax: (+2)0554332067, cus.service@sega-m.com, sega-m@sega-m.com
Commercial Division (Main): 87 Abou-Bakr Al-Seddik St., Safir Square, Heliopolis, Cairo, Tel.: (+202)24183122 – 24183144, Fax: (+202) 24185022, sales@Sega-m.com
Commercial Division (Lighting): Milsa apartment building no.6 , Nasr City, Cairo. Tel.: (+202)24181878, sales.lighting@sega-m.com
www.sega-m.com

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