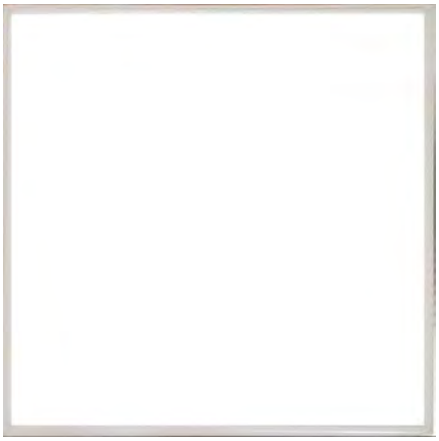
Recessed LED Panel (Matrix)

SEGA.M LIGHTING SOLUTIONS

For office space and general indoors lighting

Built to replace conventional fluorescent panels with shutters, with even better results. Through milky diffuser glare is eliminated and high efficacy due to high quality LEDs and direct radiation is a foretold result.

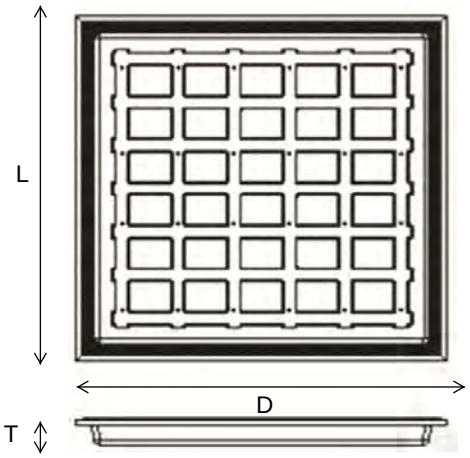


45W 150Lm/W IP42

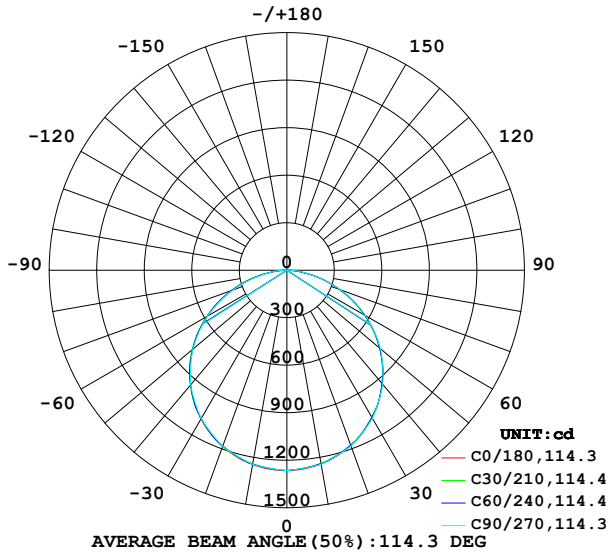
Physical	
Mass	3.4kg
Dimensions	D 595 * L 595mm (Luminous area 540*540mm) * T 50mm
Body	Electrostatically coated press formed sheet steel + aluminum section frame
Diffuser	Polystyrene - Milky
Protection	IP42
Mounting	False ceiling recessed (Adapter for concrete ceiling available)
Photometric	
Light Source	SMD LEDs
Efficacy	150 Lm/W
LOR	59.13
Spread angle	114.3°
Spectrometric	
CCT	4000/6000°K
CRI	80
Electrical	
Power supply	220VAC, 50Hz
Power	45W
Current	0.211 A (RMS)
Power Factor	0.97
THDI	9.8%



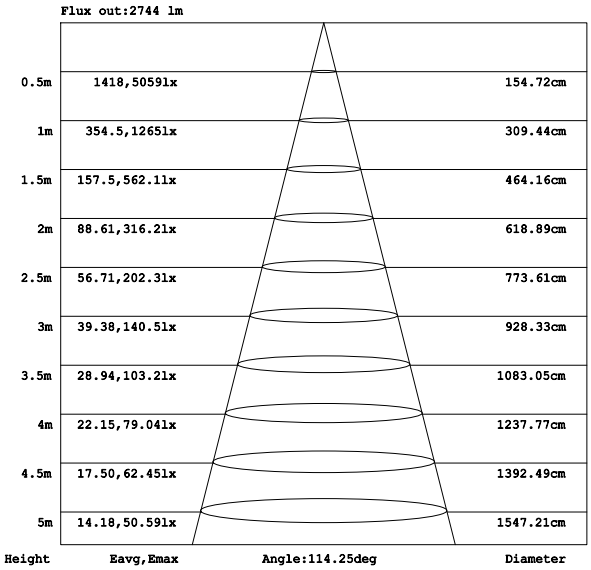
Backside



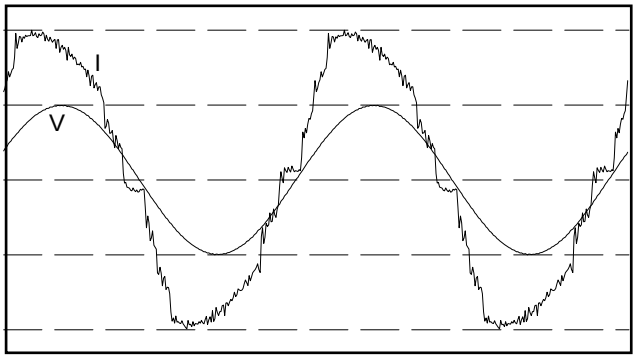
Polar radiation distribution



Horizontal illuminance



Electrical oscilloscopy



Art. no.	Type	Power	CCT
MATRIX-SMD045240-- MATRIX-SMD045260--	LED Panel Matrix (recessed)* LED Panel Matrix (recessed)*	45W 45W	4000°K 6000°K

* Adapter for concrete ceiling also available (electrostatically coated sheet steel)

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.

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