

Round Recessed Ceiling LED Downlight- MATIA Series

Indoor Luminaires | Recessed | Downlights | High Efficacy Downlight



Applications

- > Houses And Apartments
- > Retail Stores And Shops
- > Public Buildings
- > Banks
- > Hospitals And Medical Centers
- > Offices
- > Educational Centers
- > Hotels And Restaurants
- > Commercial And Entertainment Centers

Benefits

- > High Quality Light Produced By Backlight Technology
- > Uniform Illumination Using High Efficiency Opal White Polystyrene Light Diffuser
- > Saving Energy With High Efficiency
- > Suitable Choice For Replacement Of Recessed Halogen Lamps
- > Long Life Time Without High Luminous Drop During Time And Maintenance-Free
- > Optimal Light Distribution Without Glare In Eyes

features

- > Operating Temperature (°C) : -20 ... +45
- > Lifespan : 50000 h – L80/B10
- > Efficacy (lm/w) : 100
- > Input Voltage (VAC) : 200 ... 240 | 50 ... 60 [Hz]
- > Wavelength : NO UV | NO IR

TECHNICAL DATASHEET

Electrical specifications

Power Consumption	5 [W]
Power Supply	Drive On Board -DOB -
Input Voltage	200 ... 240 [VAC] – 50 ... 60 [Hz]
Energy Label	A++

Photometric data

CCT (color temperature)	3000-4000-6500 [K]
CRI (color rendering index)	> 90
Luminous Flux	500 [lm]
Efficacy	100 [lm/w]
Beam Angle	120 °

Dimensions

Shape	Round
Diameter	109 [mm]
Cut-Out Size	68 [mm]
Height	45 [mm]
Weight	_ [gr]

Luminaire Body

Body Material	ABS
Body Color	White
Diffuser Material	Polystyrene
Diffuser Color	Opal White
IP Rating	44

Lifespan

lifespan	50000 h – L80/B10
warranty	3 years

Installation

Installation Type	Recessed
Usage	Recessed Ceiling Downlights, For General Lighting

TECHNICAL DATASHEET

Additional Systems

Dimming	—
DALI	—
Battery	—
Motion Sensor	Optional / External

Light Source

Manufacturing Technology	Backlight
Source Of Light	SMD LED
Module Brand	SAYAN ELECTRIC
Module Series	SE-CR0404DB2835X014A0050
Module Geometry	1 Round Module
Chipset Brand / Package	OSRAM / DURIS® E 2836
Led Qty.	14 LEDs
Lens On Chipset	NO
Lens Type	—
Module Terminal Blocks	—

DRIVER

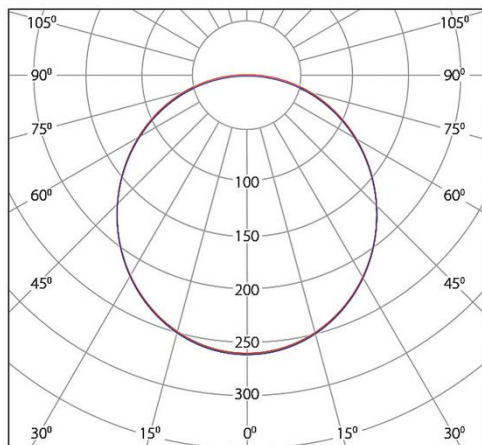
Driver Type	DOB-Linear
Driver Brand	SAYAN ELECTRIC
Power Factor	> 90%
Flicker	< 20 %
THD	< 18 %
Efficiency	< 85 %
Protections	SCP-OVP-OTP

TECHNICAL DATASHEET

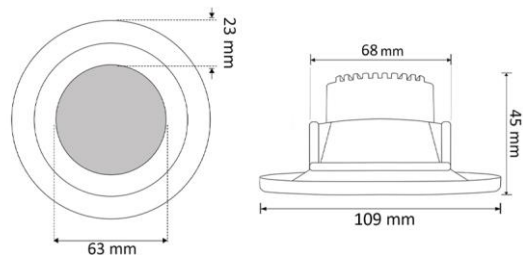
Logistics

Product Code	SE-MA05R080544DOB
Primary Packaging	Plastic Bag
Primary Packaging Dimensions	—
Secondary Packaging	Compressed Paper Box
Secondary Packaging Dimensions	_ [mm]
Tertiary Packaging	Compressed Paper Box
Tertiary Packaging Dimensions	_ [mm]
Qty. In Tertiary Packaging	100 [pcs]

Light Distribution Curve



Technical Drawings



Scan QR Code For More Information