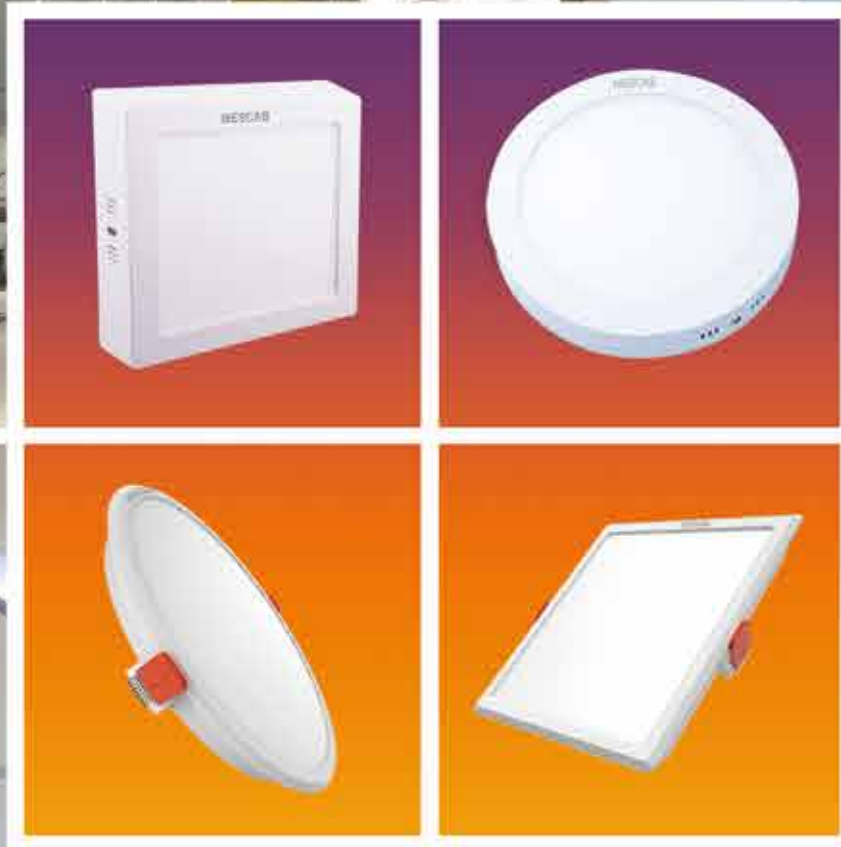


**MESCAB**  
SmartLiving



The **Sunshine** Bright  
LED PANEL LIGHT CATALOGUE

# ROSUN LED PANEL LIGHT

The new series of MESCAB LED Panel light brings liveliness to your surroundings, by improving the overall aesthetics and ensuring no dullness in the room. The new LED Panel series can be easily mounted in the low height ceilings and requires very less maintenance. Adding a touch of luxury to your space, yet keeping low on budget, MESCAB LED Panel light series should be your smart choice.

## ELECTRICAL DATA

 Nominal Voltage - AC 85V-265V

 Frequency Range - 50Hz-60Hz

## APPLICATION AREAS

- Office ■ Residence
- Showroom ■ Shopping Mall ■ Shop
- Hotel ■ Corridor ■ Lobby ■ Bank
- Hospital ■ Banquet etc.



## PRODUCT FEATURES



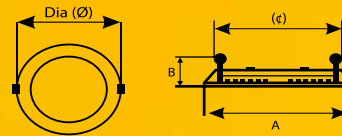
# LED Panel Light - Recess



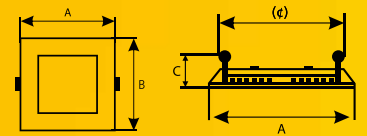
## INSTALLATION

To be recessed in false ceiling with the help of spring loaded clamps.

### RECESS ROUND



### RECESS SQUARE



## DIMENSION DETAILS

Catalogue Reference	Wattage (W)	Luminous Flux (LM)*	Dimension(mm)		Cut Out (mm)
			A	B	∅
MPLR K 06W	6W	660	118	36	101
MPLR K 12W	12W	1320	168	38	151
MPLR K 15W	15W	1650	168	38	151
MPLR K 18W	18W	1980	220	38	200
MPLR K 22W	22W	2420	220	38	200

Catalogue Reference	Wattage (W)	Luminous Flux (LM)*	Dimension(mm)			Cut Out (mm)
			A	B	C	∅
MPLS K 06W	6W	660	118	118	36	101x101
MPLS K 12W	12W	1320	168	168	38	151x151
MPLS K 15W	15W	1650	168	168	38	151x151
MPLS K 18W	18W	1980	220	220	38	200x200
MPLS K 22W	22W	2420	220	220	38	200x200

## TECHNICAL DETAILS

Luminaire Efficacy	110lm/watt	Beam Angle	120°
Supply Voltage Range	85-265VAC	Driver Efficiency	88%
CRI	>80	CCT	6500K
Frequency Range	50-60Hz	Protection Grade	IP20
THD	12%	Impact Protection	IK07
Power Factor	>0.95	Temperature Range	25° to 65°C
Surge Protection	Up to 4 kV	Working Humidity	63%

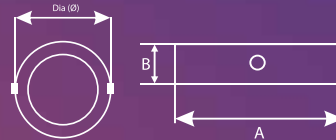
# LED Panel Light - Surface



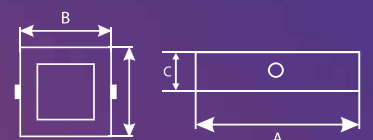
## INSTALLATION

To be fitted with the help of screws and plate provided at the back side of the fitting.

### SURFACE ROUND



### SURFACE SQUARE



## DIMENSION DETAILS

Catalogue Reference	Wattage (W)	Luminous Flux (LM)*	Dimension(mm)	
			A	B
MPLRS K 06W	6W	660	120	38
MPLRS K 12W	12W	1320	171	38
MPLRS K 15W	15W	1650	171	38
MPLRS K 18W	18W	1980	225	38
MPLRS K 22W	22W	2420	225	38

Catalogue Reference	Wattage (W)	Luminous Flux (LM)*	Dimension(mm)		
			A	B	C
MPLSS K 06W	6W	660	120	120	38
MPLSS K 12W	12W	1320	171	171	38
MPLSS K 15W	15W	1650	171	171	38
MPLSS K 18W	18W	1980	225	225	38
MPLSS K 22W	22W	2420	225	225	38

## TECHNICAL DETAILS

Luminaire Efficacy	110lm/watt
Supply Voltage Range	85-265VAC
CRI	>80
Frequency Range	50-60Hz
THD	12%
Power Factor	>0.95
Surge Protection	Up to 4 kV

Beam Angle	120°
Driver Efficiency	88%
CCT	6500K
Protection Grade	IP20
Impact Protection	IK07
Temperature Range	25° to 65°C
Working Humidity	63%

**High Power factor** - A high power factor of  $>0.95$  leads to less power loss in the form of heat and has a positive effect on the environment, and also increased life of the luminaire.

**Beam Angle** - Having the right type of beam angle of your LED Panel light can give your environment the right type of ambience and visibility, a beam angle of  $120^\circ$  works good for your space, making it brighter and full of energy.



### WHY USE MESCAB LED PANEL LIGHTS?

**Colour Rendering index** - Having a CRI of  $>80$ , leads to a brighter room, with much more accurate output of light.

**Surge Protection** - Surge protection of upto 4kV in the panels can prevent any damage caused by the sudden peak in electricity leading to an extended luminaire lifetime, and thereby greatly reducing overall operating and infrastructure costs.

## HOW TO SELECT LED PANEL LIGHT

**Lumens per Watt** - The higher the lumens, the higher the light output. One must check this factor before buying any fixture. Always remember, higher rating leads to better lighting experience.

**Power** - LED light Panels deliver wider beam angle and more light, with less power. Upgrade and enjoy better lighting levels by changing the existing lighting system without changes to the ceiling grid. Optimize and achieve similar or higher lighting levels by using less fittings. It will lead to a lot of cost and energy savings.

**Efficacy** - MESCAB LED Panels use the latest technology to deliver ultra-efficiency and high light output. They use less power to produce comparable light output than less efficient panels, providing financial savings year-after-year.

**Colour Temperature** - This is a matter of preference and use. The colour temperature describes how the light from an LED Panel will look and is denoted as Kelvin (K).

**Cool White** - Range from 6000K to 6500K, suitable for schools, offices, retail and commercial areas.

**Natural White** - Range from 4000K to 4500K which looks like sunlight, suitable for garages and basements.

**Warm White** - Range from 2700K to 3200K which looks like the traditional golden color from filament lamps, suitable for nursing homes and similar places.

ISO  
9001:2015

IS 10322

(Part 5/SEC 2): 2012



R-51001430  
www.bis.gov.in



UP TO 85%  
ENERGY SAVING



LONG LASTING  
UP TO 50000 HRS\*

SMART LIVING



ECO-FRIENDLY

NO INFRARED  
NO MERCURY  
NO UV



### MESCAB India Private Limited

MESCAB Centre, E M By Pass, Near 4 No. Bridge  
53A, Tiljala Road, Kolkata - 700 046

033 2285 1554/2285 1555 mail@mescab.in www.mescab.in

/mescab.smartliving

• All information given herein is in good faith. MESCAB shall not be liable for any damages arising out of incorrect use or misinterpretation. Due to continuous product development and improvement, MESCAB reserves the right to modify the product and/or withdraw fitting without any prior notice.

• The visuals shown here (product and installation) are indicative only. The actual product when supplied may differ from the visual shown. The dimensions given herein are approximate and only for reference and are subject to change without any notice. Data and Technical parameters are representative only and might vary up to tolerance level of  $\pm 10\%$ .

• Energy-saving compared to incandescent lamps.

• \*Calculation of lumen is done on the basis of 6500K CW (Cool White)