



MASONLED

Stock Code : 002654

STAR SERIES

LED BACKLIT PANEL LIGHT



PRODUCT ADVANTAGE



0-10V/DALI 2.0
Dimming



Bluetooth
control



PIR
Sensor



Microwave
Sensor



Light
Sensor



Self-contained
battery with
emergency function

Description

A stable, durable office lighting product :

Star series LED Panel Light uses back light design, using PMMA lens, height 35mm,

Uniform LED chip distribution for better light uniformity,

The whole light efficiency can up to 110lm/W, 130lm/W, 170lm/W, 195lm/W.

Application

• Office • Retail • Workshop • School

STAR SERIES TECHNOLOGY



- With surface-mounted plastic frame, it can meet the requirements of surface-mounted panel lights.



- Low UGR version with anti-glare prism.



- High-strength PVC plastic frame.



- Reserved interface for infrared sensor / microwave sensor / light control version.



- Star panel light uses back-light design using PMMA lens.



- High-quality cold-rolled steel chassis provides great guarantee for LED heat dissipation, and the surface is sprayed with white polyester powder to improve light efficiency and prevent rust.

TECHNICAL SPECIFICATIONS

TECHNICAL PARAMETER

Rated voltage	AC220-240V
CCT	2700K/3000K/4000K/5000K/5700K/6500K and Color temperature switchable
CRI (Ra)	≥80 / 290 / 298 (Full spectrum)
Lens	PMMA
Frame	PVC
Back cover housing	White painted iron plate

LIFE

Warranty	5 years
L70B30	100,000+ hours
L80B10	80,000 hours
L90B10	50,000 hours
Driver failure rate	0.2% per 1000 hours
Maintenance	Optical module sealed for life; no internal cleaning required

110lm/W

Part Number	Model No.	Product Size (L*W*H)	System Power	Luminous Efficiency	UGR	Package CTN			
						CTN Size	CTN	G.W	N.W
1602029304	MS-PL6060P	600x600x35mm	40W	≥110lm/W	22	630x315x660mm	8	18.78 kg	17.28 kg
1602029305	MS-PL30120P	300x1200x35mm	40W	≥110lm/W	22	1265x315x335mm	8	18.9 kg	17.6 kg
1602029306	MS-PL60120P	600x1200x35mm	60W	≥110lm/W	22	1265x320x635mm	8	35.5 kg	34 kg

130lm/W

Part Number	Model No.	Product Size (L*W*H)	System Power	Luminous Efficiency	UGR	Package CTN			
						CTN Size	CTN	G.W	N.W
1602029307	MS-PL6060P	600x600x35mm	40W	≥130lm/W	22	630x315x660mm	8	18.78 kg	17.28 kg
1602029308	MS-PL30120P	300x1200x35mm	40W	≥130lm/W	22	1265x315x335mm	8	18.9 kg	17.6 kg
1602029309	MS-PL60120P	600x1200x35mm	60W	≥130lm/W	22	1265x320x635mm	8	35.5 kg	34 kg

100lm/W

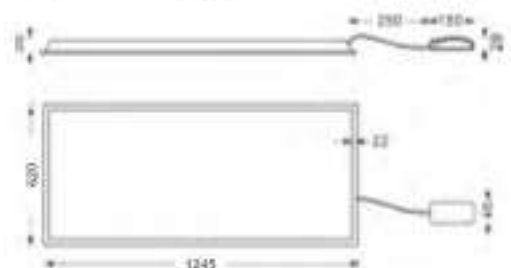
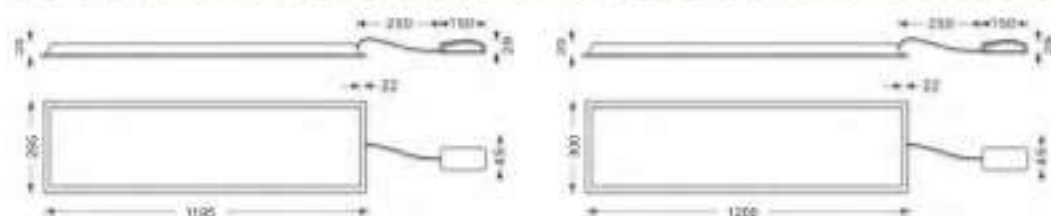
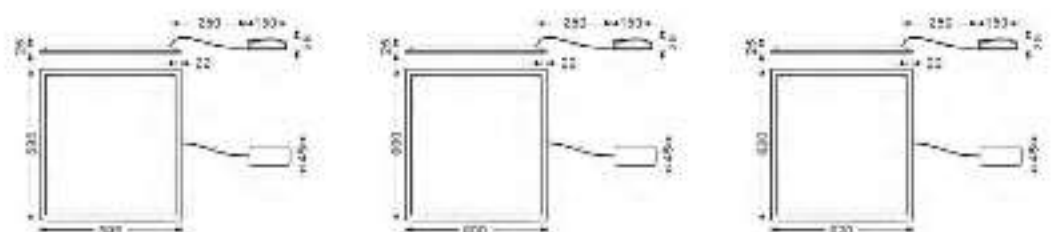
Part Number	Model No.	Product Size (L*W*H)	System Power	Luminous Efficiency	UGR	Package CTN			
						CTN Size	CTN	G.W	N.W
1602029310	MS-PL6060PG	600x600x35mm	40W	≥100lm/W	19	630x315x660mm	8	18.78 kg	17.28 kg
1602029311	MS-PL30120PG	300x1200x35mm	40W	≥100lm/W	19	1265x315x335mm	8	18.9 kg	17.6 kg
1602029312	MS-PL60120PG	600x1200x35mm	60W	≥100lm/W	19	1265x320x635mm	8	35.5 kg	34 kg

120lm/W

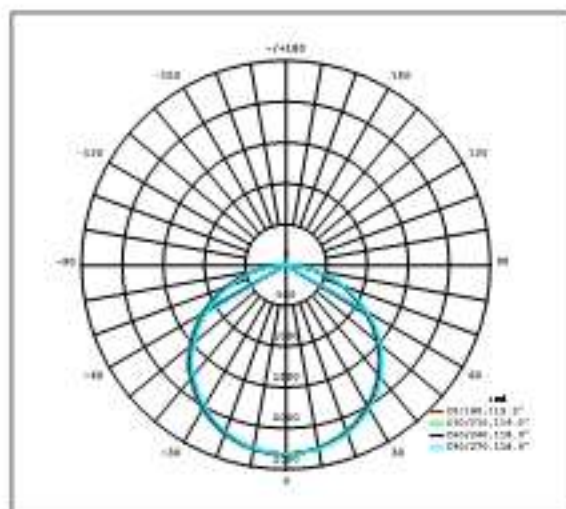
Part Number	Model No.	Product Size (L*W*H)	System Power	Luminous Efficiency	UGR	Package CTN			
						CTN Size	CTN	G.W	N.W
1602029313	MS-PL6060PG	600x600x35mm	40W	≥120lm/W	19	630x315x660mm	8	18.78 kg	17.28 kg
1602029314	MS-PL30120PG	300x1200x35mm	40W	≥120lm/W	19	1265x315x335mm	8	18.9 kg	17.6 kg
1602029315	MS-PL60120PG	600x1200x35mm	60W	≥120lm/W	19	1265x320x635mm	8	35.5 kg	34 kg

* Please specify the exact dimension of the lamp when placing an order

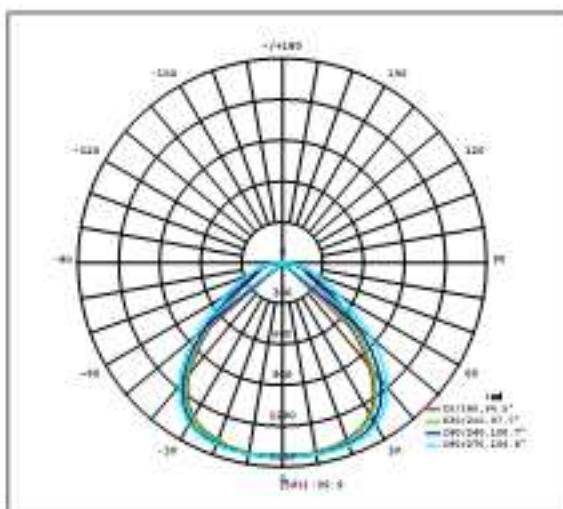
STAR SERIES PRODUCT SIZE



LIGHT DISTRIBUTION CURVE



Regular LED panel light



Low UGR LED panel light



EMERGENCY VERSION

LED EMERGENCY CONVERSION KITS (LITHIUM BATTERY SOLUTION)

Especially For Panel lighting/Downlight/Spotlight/Linear lighting
For LED lighting with external driver

Input	85-277V (220-240V 50/60Hz)
Emergency output Power	1-10W
Emergency Switch On time	< 0.1 sec
Led lamp	100W max
LED Voltage Range	DC 10-120V/Optional
Emergency operation voltage	Main power supply below 144V (220V version) or power failure
Led Indicator	Green
Test Switch	Optional
Battery cycle life	> 500 times
High-performance	LiFePO4 battery
Charging time	16-24hrs
Charging current	0.05C (C=capacity)
Output mode	Constant power voltage self-adaptation
Power	Isolated power supply
PF	> 0.5
load protection	Over-charge/Over-discharge/Short Circuit/No
Outer Case	Fire-proof PC/ABS 215*40*28MM
Input Cable & Output easy connector	optional



Part Number	Product Size (L*H)
1602029373	Rate Emergency power 3W; Duration time 3Hrs

INSTALLATION OPTIONS

CEILING MOUNTED WITH FRAME

(For PL Frame Series)



CEILING MOUNTED FRAME KITS

1

Frame A Frame B

Identify the two frame types as illustrated above (Type A and B).

2

Frame A Frame B

Fix the two 'A' frames together with one 'B' frame.

3

Ceiling

Mount the frame to the ceiling.

4

Slide the Panel in to the frame.

5

ACB3-30W

Frame B

BTP ADV series: Connect the AC power cable to driver, insert the other 'B' frame on to the ends of the 'A' frames.

6

AC16-30W

Frame B

BTB Series: Connect the AC power cable to driver, insert the other 'B' frame on to the ends of the 'A' frames.

7

Attach the 'B' frame with the screws supplied.

8

Completed.

Part Number	Model No.	Product Size (L*H)
1602029370	MS-M6060	Frame A: 600x50mm; Frame B: 600x50mm
1602029371	MS-M30120	Frame A: 1200x50mm; Frame B: 300x50mm
1602029372	MS-M60120	Frame A: 1200x50mm; Frame B: 600x50mm

Part Number	Product	Structure description
1602029374	I-shaped and Y-shaped wire ropes, screw accessories, etc.	Steel wire rope

