

LED panel light

Features

- ☆ system efficacy up to 105lm/W
- ☆ extended system service lifetime up to 40,000hrs (L80/B50) at ambient temperature 35°C
- ☆ outstanding colour rendering performance (Ra = 80 / 85/90 / 95), stable colour constancy, No strobe, no glare consistent light output
- ☆ according to IEC 60598, IEC 61000-3-2:2005 standard
- ☆ housing of finish color : traffic white RAL9016 / silver grey RAL7001

Benefits

- ☆ up to 70% energy consumption saved compared with traditional light
- ☆ lower maintenance cost, maintenance factor 0.8
- ☆ Uniform and diffused light, creating a pleasant atmosphere

Application



School



Library



Medical



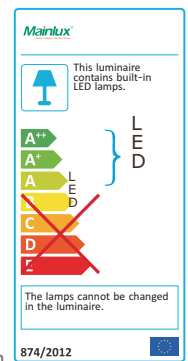
Hotel



Office



Conference room



Specification

Item number	Photo	Power (W)	Luminous flux (lm)	Efficacy (lm/W)	CRI (Ra)	CCT(K)	Beam angle (°)	Lifespan (L80/hrs)
MXPL-300*300-15W		15	1575	105	>80	4000	120	40,000
MXPL-300*300-20W		20	2120	106	>80	4000	120	>40000
MXPL-300*600-20W		20	2100	105	>80	4000	120	>40000
MXPL-300*600-25W		25	2575	103	>80	4000	120	>40000
MXPL-600*600-36W		36	3780	105	>80	4000	120	>40000
MXPL-600*600-45W		45	4725	105	>80	4000	120	>40000
MXPL-300*1200-36W		36	3744	104	>80	4000	120	>40000
MXPL-300*1200-45W		45	4815	107	>80	4000	120	>40000
MXPL-620*620-36W		36	3816	106	>80	4000	120	>40000
MXPL-620*620-45W		45	4770	106	>80	4000	120	>40000
MXPL-600*1200-60W		60	6240	104	>80	4000	120	>40000
MXPL-600*1200-72W		72	7488	104	>80	4000	120	>40000

different Ra(80/85/90/95),CCT(2500–6500K) and lumen required need to contact sales representative separately
 emergency kit / dali /0–10V /Triac dimming required, please contact sales representative separately
 based on the same CRI, the lumen between 4000–6500K is the same, 2500–3500K will be around 5%–8% lumen lower
 the specified luminous flux value corresponds to the gross luminous flux of LED@ 25 °C, this is only a minimum flux and not a maximum.
 Mainlux may ship products in flux higher than above specified by the item number without advance notice
 with a tolerance of ±7% on flux and power, ±0.005 on chromaticity (CCx, CCy) and ±2 on CRI

Mounting accessories

Item name	item number	photo	net weight (kg)	packing
300x300ceiling-surface mounted accessories	MXPLAC-3030		0.56	80pcs/ctn, ctn dimension L670xW360xH210mm, G.W 20.00kg/ctn
300x600ceiling-surface mounted accessories	MXPLAC-3060		0.95	45pcs/ctn, ctn dimension L670xW360xH210mm, G.W 20.00kg/ctn
600x600ceiling-surface mounted accessories	MXPLAC-6060		1.12	20pcs/ctn, ctn dimension L670xW360xH210mm, G.W 20.00kg/ctn
620x620ceiling-surface mounted accessories	MXPLAC-6262		1.24	20pcs/ctn, ctn dimension L710xW360xH210mm, G.W 22.50kg/ctn
300x1200ceiling-surface mounted accessories	MXPLAC-3012		1.37	20pcs/ctn, ctn dimension L1260xW350xH180mm, G.W 26.50kg/ctn
600x1200ceiling-surface mounted accessories	MXPLAC-6012		1.80	15pcs/ctn, ctn dimension L1260xW350xH180mm, G.W 26.50kg/ctn
suspending mounted accessories	MXPLAC-001		0.12	200pcs/ctn, ctn dimension L360xW360xH260mm, G.W 26.00kg/ctn

Extrusion aluminium , white coating (White RAL9003)

Technical datasheet

LED	SMD2835 LED 68-70 lumen /0.5W LED LM80 passed Heat dresistance under 5°C
Colour consistency (SDCM)	3
Beam angle (°)	120°
UGR	<19
Integrated driver (Yes /No)	Yes, can be seperated
Surge voltage resistance	4KV(10KV available)
Power factor	>0.95
Dimmable	Yes (dali / 0-10V/ triac)
Operation temperature	- 25 ~ +45°C 10-90% RH
Application temperature	25°C 10-90% RH
Storage environment	- 30 ~ +50°C
On / off cycles (times)	50,000

Approval

Impact resistance rating (IK)	05
Protection rating (IP)	40
Glow wire test	650°C
Insulation class	II
Certification	CE, RoHS

Mechanical properties

Housing material	Extrusion aluminium , white coating (White RAL9003)
Optical material	PMMA
Colour of finish for housing:	traffic white RAL9016 silver gray RAL7001
Cable	VDE/UL certified wire

Electrical connection

System nominal voltage (V)	AC100-240 AC100-277 (American only)
Frequency (Hz)	50/60
THD	<15%

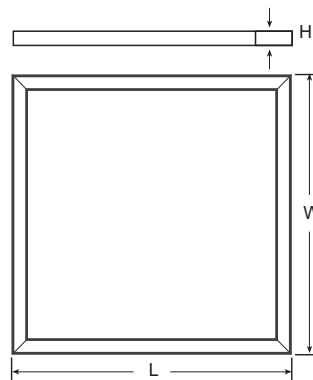
Product & packaging information

Item number	Item dimension (LxWxH) (mm)	Net weight (kg)	Packging information		
			pcs / carton	carton dimension (LxWxHmm)	gross weight (kg)
MXPL-300*300-15W	295x295x10	1.05	10	395x325x205	13.00
MXPL-300*300-20W	295x295x10	1.05	10	395x325x205	13.00
MXPL-300*600-20W	295x595x10	1.95	8	670x230x740	19.80
MXPL-300*600-25W	295x595x10	1.95	8	670x230x740	19.80
MXPL-600*600-36W	595x595x10	3.70	4	670x230x740	18.00

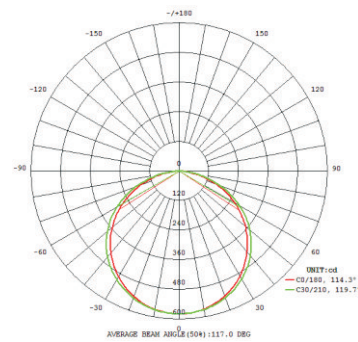
MXPL-600*600-45W	595x595x10	3.70	4	670x230x740	18.00
MXPL-300*1200-36W	295x1195x10	3.85	4	1270x230x420	19.00
MXPL-300*1200-45W	295x1195x10	3.85	4	1270x230x420	19.00
MXPL-620*620-36W	620x620x10	4.00	4	690x240x740	19.50
MXPL-620*620-45W	620x620x10	4.00	4	690x240x740	19.50
MXPL-600*1200-60W	595x1195x10	7.00	2	1310x150x660	35.00
MXPL-600*1200-72W	595x1195x10	7.00	2	1310x150x660	35.00

This is current standard parameter, as technology improved, we keep right to improve above information.

Dimension drawing (mm)



Photometric data



Installation & maintenance warning

- ☆ Please strictly according the usage manual to ensure the security of product performance.
- ☆ Please make sure power-off during the process of installation and maintenance !
- ☆ Do not change or modify any parts of product without contact engineer from manufacturer.
- ☆ Please connect the lamp to an effective grounding system to make sure the safety.
- ☆ In order to avoid any danger, the cable or suspension wire must be removed and installed by manufacturer, technical service center or qualified worker.
- ☆ Dispose the lamp specially when the product is not longer use.
- ☆ Please use soft cloth with soap or neutral detergent to clean lamp. Please do not use alcohol or paint thinner !
- ☆ We keep the right to inform you if any change of product.