

SPECIFICATION FOR APPROVAL



Product Name: LED Panel Light (Round-Recessed)

Models

Model Code	Wattage
LM-102-DPRRCW-6W	6W
LM-102-DPRRCW-9W	9W
LM-102-DPRRCW-12W	12W
LM-102-DPRRCW-15W	15W
LM-102-DPRRCW-18W	18W
LM-102-DPRRCW-20W	20W
LM-102-DPRRCW-24W	24W
LM-102-DPRRCW-30W	30W

Feature

- ◆ Super slim design, save 70% energy, High efficiency 100LM/W with uniformed luminance.
- ◆ Wide range of input voltage: AC100-300V
- ◆ Instant start, no noise, no flickering
- ◆ New high efficiency constant current driver.
- ◆ Professional circuit design, each group of LEDs work separately to avoid any problem of lighting output caused by single faulty LED.
- ◆ No electrical wave interference, confirm to the standard of CE.
- ◆ No Mercury, green environment friendly, confirm to the standard of RoHS.
- ◆ No RF interference.

Electrical/Optical Characteristics

Power Consumption	6W ~ 24W
Input Voltage	AC 100-300V/50-60Hz
Color Temperature Range	3000-7000K
Luminous Flux	100 Lm/W
CRI	>80
Viewing Angle	120°
LED Chip / Light Source	Philips Lumiled 3030 / LED Bridgelux / CREE
Power Factor	≥0.9
IP Grade	IP20 / IP44
Body Material	Die-cast Aluminum
Diffuser	Poly Methyl Metha Acrylyte (PMMA)
Ambient Temperature	25°C ~ +50°C
Mechanical Protection	IK05
Life Span	44000 hrs.

Dimension

Wattage	Surface Dia.	Cut-out Size
6W	120mm	105mm
9W	150mm	135mm
12W	170mm	155mm
15W	190mm	170mm
18W	220mm	195mm
24W	225mm	205mm
30W	300mm	282mm

Lumen Efficiency

Product Code	Wattage	Total Lumen
LM-102-DPRRCW-6W	6W	600lm
LM-102-DPRRCW-9W	9W	900lm
LM-102-DPRRCW-12W	12W	1200lm
LM-102-DPRRCW-15W	15W	1500lm

LM-102-DPRRCW-18W	18W	1800lm
LM-102-DPRRCW-24W	24W	2400lm
LM-102-DPRRCW-30W	30W	3000lm

Power Supply / Driver Characteristics

Product description

- Isolated LED driver designed for class II LED luminaires;
- Input voltage AC100-277V for global market, max input voltage range AC90-305V;
- Active PFC, high PF (PF>0.96@AC230V), high efficiency (up to 89%), low THD ($\leq 18\%$);
- Meet the ERP and DLC standards after being installed inside finished LED lights;
- Surge protection: 1KV
- Dali Dimmable 0-10V (Optional);
- Casing: polycarbonate, white;

Model Number	DC Power out(W)	AC Watts in(V)	DC Voltage out(V)	DC I (Current) out(mA)	Typ. Efficiency	Typ. PF	Dali Dimmable (Optional)	Typ. THD
LM-70-DRV-L-2034	21~33.6	100~277	27-42	800	88% (110Vac) 88% (230Vac)	0.97 (110Vac) 0.93 (230Vac)	0-10V	$\leq 18\%$
LM-70-DRV-L-1422	14-22	100-277	25-40	550	88% (110Vac) 88% (230Vac)	≥ 0.9 (110Vac) ≥ 0.9 (230Vac)	0-10V	$\leq 18\%$
LM-70-DRV-L-1216	12-16	100-277	25-40	450	85% (110Vac) 85% (230Vac)	≥ 0.9 (110Vac) ≥ 0.9 (230Vac)	0-10V	$\leq 18\%$
LM-70-DRV-L-0614	06-14	100-277	25-40	400	85% (110Vac) 85% (230Vac)	≥ 0.9 (110Vac) ≥ 0.9 (230Vac)	0-10V	$\leq 18\%$

Maintenance

- Before to cleaning the panel lights, please make sure the power is OFF.
- Use a dry or slightly moistened cloth for cleaning.
- Never use any chemicals or abrasives for cleaning.

Notes on Using

- Please always use the light out of its package.
- Before starting use of the light, please check if the light was damaged during transportation. If any damage shown, please DO not install or use it.
- Any maintenance work should be performed by a competent person only.
- Keep packaging material away from the reach of children and pets.
- Caution: Keep children away from the lights, there are some small components that may be swallowed by children, and never allow them to play with electrical devices.
- Try to avoid looking directly at lights for a long time. Do not shine the LED light in another person's eyes.
- Never cover the lights by other objects
- Keep the panel light away from the flames or heat sources.
- The lights should be inspected repaired or special treatment if beyond service time.
- Non-professionals are not allowed to disassemble and maintain the products. We have the right not to provide after-sale service if unauthorized disassembly and maintenance happens to the products.

Warranty clause

- **Product warranty**

Lyte Master GmbH warranty the products within 3 years from delivering to customers, we will be responsible for repair and replacement, if any conditions such as not bright or flicker of LED source under right preservation, installation, usage and maintenance.

- **Disclaimer and limitation**

1. Under any circumstances, any quality problems compensation should be within the warranty period.
2. The product warranty does not include: Product damage caused by.
 - 2.1 The negligence of storage, transportation or improper handling.
 - 2.2 Incorrect operation or not proper usage of product.
 - 2.3 Any damage caused by repair or modifications from unauthorized person.
 - 2.4 Caused by the forces of nature, irresistible factors of product damage, such as Earthquakes, typhoons, tornadoes, volcanic eruptions, floods, lightning, heavy snow, war, etc.
3. If the product serial number has been changed, altered or blur, it will no longer enjoy the corresponding Warranty.
4. This warranty is not responsible for repair or replacement of the transport, customs clearance fee.

Application

- ◆ Hotels, Meeting Room, Factory & Office
- ◆ Commercial Purpose, Residential & Institution, School
- ◆ Hospital, other lighting location



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