

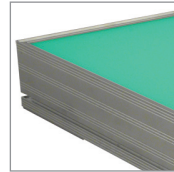
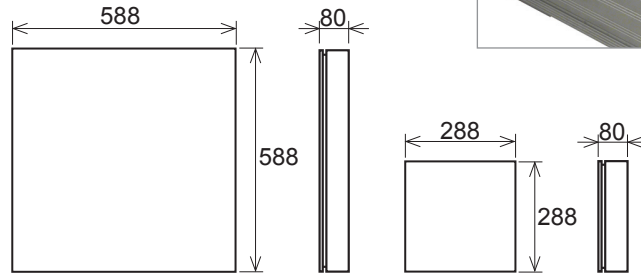
USER MANUAL

LL ARC PANEL

LL40 400 | LL40 440

COMPLIMENTS ON YOUR PURCHASE!

All dimensions are in millimeters



Following items are included:

- LL ARC PANEL with 1,5m cable and 6pin LINE connector 1 pc.
- User manual 1 pc.

Additional items needed:

- LL ARC DRIVER
- DC power supply 24V
- Controller compatible with DMX
- Surface installation:
- LL HOLDER ARC PANEL SURFACE 1 pc.
- Screws and washers M12 4 pcs.

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04 MAINTENANCE

ENVIRONMENT



Do not throw away the appliance with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment.

01 SAFETY INFORMATION



WARNING!!!

Carefully read before installing, powering or servicing.
Nothing to do if anything misunderstand! Installation can be done only by a qualified professional in accordance with relevant local codes.

01.1 Risk of eyes damage



- Do not look directly into LED lamps.
- Do not look into light beam from a distance of less than 40 cm (16 inches)!

01.2 Protection from electric shock



- Shut down power before installation or maintenance.
- Luminaries, Driver and recommended power supply must be installed by a qualified professional in accordance with relevant local codes. Only acceptable source of power and frequency that complies with local building and electrical codes to use.
- Do not use or do not connect the products if the power cable, power plug or fixtures are any way damaged, wet, or if they are overheating.
- Do not modify, alter, or attempt to service the LeaderLight appliance. Doing so will void the warranty.
- Before removing or installing any cover or part of appliance disconnect from power.

Operation only with DC 24V source! By using a high voltage AC power supply-danger of electric shock!

01.3 Fire prevention



- Follow all safety consideration.
- Thermostatic switches or fuses never to bypass.
- Device never shield – minimum distance around fitting must be 100mm (4 in.).
- LEDs never direct cover with filters or other materials.
- Allowing max. ambient temperature is 40°C (104°F).

02 PRODUCT SPECIFICATION

02.1 Technical Specification

Lamp type:	300: 36 x RGB TOP LED * 600: 144 x RGB TOP LED *
Lifetime:	Long 100 000 hrs 60% degradation
Control data Input:	3 channels, standard LL DRIVER
Input power:	300: max. 9W, 600: max. 36W
Power connection:	24V 6pin LINE connector
Net weight:	300/600: 3,5kg/5,5kg
Ambient temp. (Ta):	max. +40°C
Cooling:	Conventional
Materials and finish:	Housing: anodized aluminium RAL9006 (other colours on request) Cover: plexiglass with special foile
Installation:	Recessed or surface mounting
Installation:	Recessed or surface mounting

*TOP LED: ■ R-Red, ■ G-Green, ■ B-Blue

03 INSTALLATION

03.1 Unpacking

- Unpack carefully.
- This is electronic equipment and should be handled carefully.
- Damaged delivered package or if are any mechanical parts broken – it must be claim immediately by the transport company. Photo pictures as evidence are valuable for future claim.

03.2 Physical installation

- Loading capacity of bearing area has to be at least 10 times the weight of all device clusters (luminaries, clamps, cables, ...).
- Hairbreadth from combustible materials is 0,5m.
- The LL ARC PANEL is designed for use in a 600mm grid suspended ceiling with T profile (Figure Nr. 1.1) or for surface installation with LL41 600 (Figure Nr. 1.2).

03.3 Electrical installation



- **To tackle all Safety Information- 01!**
- You can suffer a dangerous electric shock by using a high voltage AC/DC power supply - by touching the AC/DC power supply wires inside LL ARC PANEL!
- LL ARC PANEL can be operated in two ways:
 - 03.3.1 LL ARC PANEL connecting to DC POWER SUPPLY - for switch ON/OFF luminaries
 - 03.3.2 LL ARC PANEL connecting to LL ARC DRIVER - for intensity and colour control

03.3.1 Connecting to DC power supply (Figure Nr. 1.3)

- LL ARC PANEL must be connected to the device- MW power supply IN:100-260AC/ OUT: 24V.
- It is not necessary to open fixture before connecting to MW power supply.

AC Power Supply Cord plug connections to MW Power supply:

Symbol	Pin	Wire Colour	Screw (US)
L	live	brown	yellow or brass
N	neutral	blue	silver
	ground (earth)	yellow/green	green

03.3.2 Connecting to LL LED DRIVER (Figure Nr. 1.4)

- For intensity and colour control is necessary connection with LL ARC DRIVER.
- It is not necessary to open fixture before connecting to LL ARC DRIVER.
- Before installing of LL ARC DRIVER carefully read USER MANUAL for LL ARC DRIVER.

04 MAINTENANCE

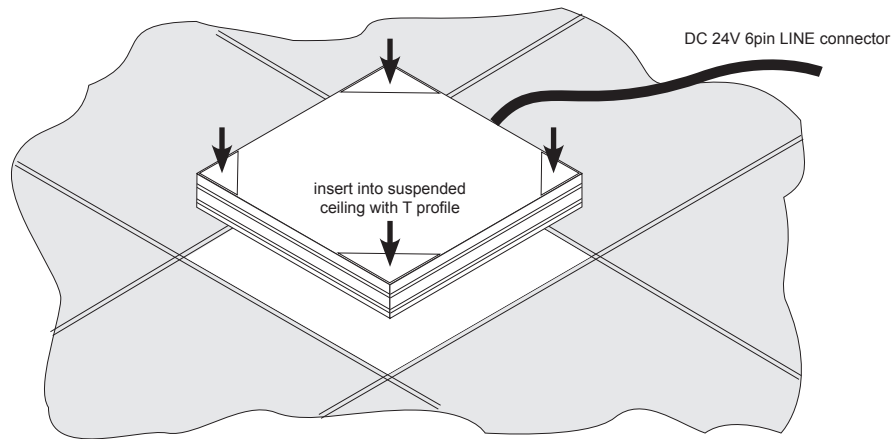


- **To tackle all Safety Information- 01!**
- Damage caused by inadequate cleaning or maintenance is not covered by warranty.
- Regular cleaning is demand (dust, dirt, ...).

Maintenance policy:

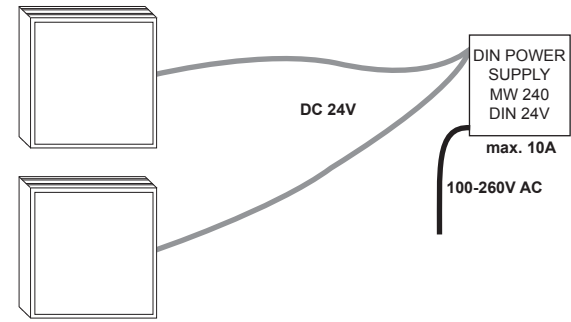
- Unplug mains before maintenance and at least 10 minutes cool off
- Appliance do not illegal open or demount
- Clean-up dust only from outer surface (for ex. scuttle, diffuser and lenses).
- Use vacuum or dumpy duster (warm water)
- Before reinstalling to check failure-free state – no wet parts!

Suspended installation



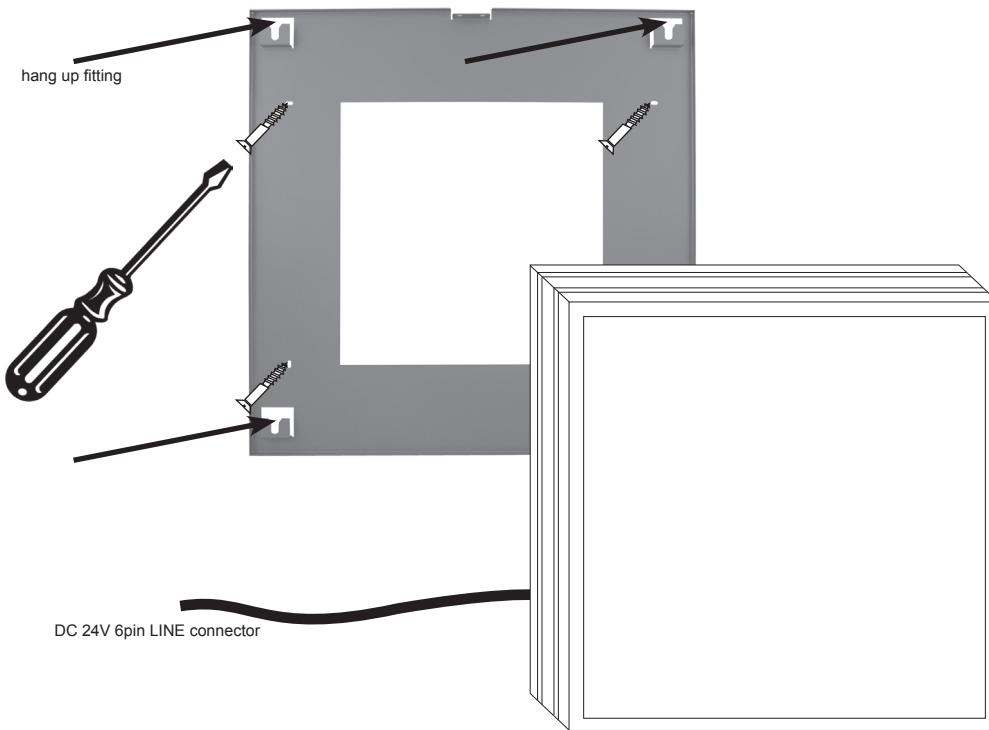
1.1

LL ARC PANEL connecting to DIN POWER SUPPLY enables to switch ON/OFF luminaries.



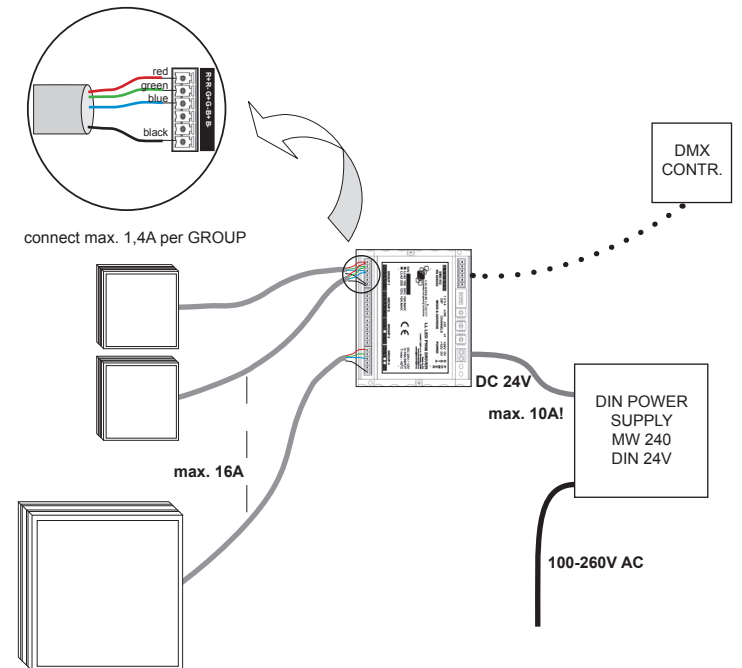
1.3

Surface installation with LL41 600



1.2

LL ARC PANEL connecting to PWM DRIVER and DIN POWER SUPPLY enables to switch ON/OFF luminaries and in addition intensity and colour control by DMX controller.



1.4

Order code	Product name	Current
LL40 400	LL ARC PANEL RGB 300	3x0,12A
LL40 440	LL ARC PANEL RGB 600	3x0,48A
Accessories:		
LL41 600	LL HOLDER ARC PANEL 600 SURFACE	

If you have any question please, contact support@leaderlight.sk