

## USER MANUAL

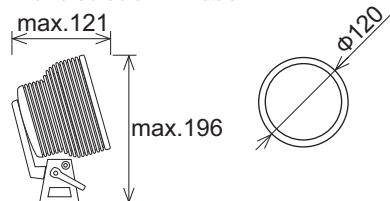
### LL PRO LED SPOT DC24V Z-POWER OneChip RGB

LL46 400

#### COMPLIMENTS ON YOUR PURCHASE!



All dimensions are in millimeters



#### Following items are included:

- LL PRO LED SPOT with 5 m cable and XLR 6PIN connector 1 pc.
- User manual 1 pc.

#### Additional items needed:

- LL PRO LED Z-POWER DRIVER
- DMX controller

#### Content:

##### 01 SAFETY INFORMATION

- 01.1 Risk of eyes damage
- 01.2 Protection from electric shock
- 01.3 Fire prevention

##### 02 PRODUCT SPECIFICATION

- 02.1 Technical Specification

##### 03 INSTALLATION

- 03.1 Unpacking
- 03.2 Physical installation
- 03.3 Connecting to AC/DC power supply

##### 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!  
Only for professional use!

##### 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, Drivers and recommended power supply must be installed by a qualified professional in accordance with relevant local codes.
- Only acceptable source of AC 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 it from AC power.

##### 01.3 Fire prevention



- Follow all safety consideration.
- Thermostatic switches or fuses never to bypass.
- Device never shield. Around the axis of the fitting (180°) must be maintained space for cooling. Minimum distance from the surrounding objects must be 50mm (2 in.) (figure 1.1).
- LEDs never direct cover with filters or other materials.
- Allowing max. ambient temperature is 40°C (104°F).
- Luminaries never use without mounting brackets. The housing never install directly to the surface.

#### 02 PRODUCT SPECIFICATION

##### 02.1 Technical Specification

<b>Lamp type:</b>	12xRGB 3x1W P5 (Red, Green and Blue)
<b>Lifetime:</b>	Long 60 000 hrs 60% degradation
<b>Optic:</b>	35mm standard 25° optional 40°- on request
<b>Control data Input:</b>	3 channels 24V dimming
<b>Input power:</b>	max. 50W
<b>DC Power Connection:</b>	24V DC 5m cable with XLR 6PIN
<b>Net weight:</b>	2,5kg
<b>Dimensions LxHxΦ:</b>	max. 121mm x max. 196mm x 125mm without bracket
<b>IP:</b>	IP65
<b>Ambient temp. (Ta):</b>	Maximum 40°C
<b>Cooling:</b>	Conventional
<b>Materials and finish:</b>	Housing: powder-painted anodized aluminium in black (other colours on request) Cover: clear or frosted PMMA
<b>Installation:</b>	Any position for ceiling, wall and surface mounting

#### 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, ...).
- Height from combustible materials is 0,5m.

##### 03.3 Connecting to DC power supply



- **To tackle all Safety Information- 01!**
- You can suffer a dangerous electric shock by using a high voltage AC/DC power supply - by touching AC/DC power supply the wires inside the unit!
- LL PRO LED SPOT operate with the LL PRO DRIVER  
IN:100-260AC/ OUT: 24V (Figure Nr. 2.1, 2.2).
- It is not necessary to open the fixture before connecting to LL PRO DRIVER.
- Pull the XLR 6PIN cable connector from fixture to the LL PRO DRIVER.

AC Power Supply Cord plug connections to LL PRO DRIVER:

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

#### 04 MAINTENANCE



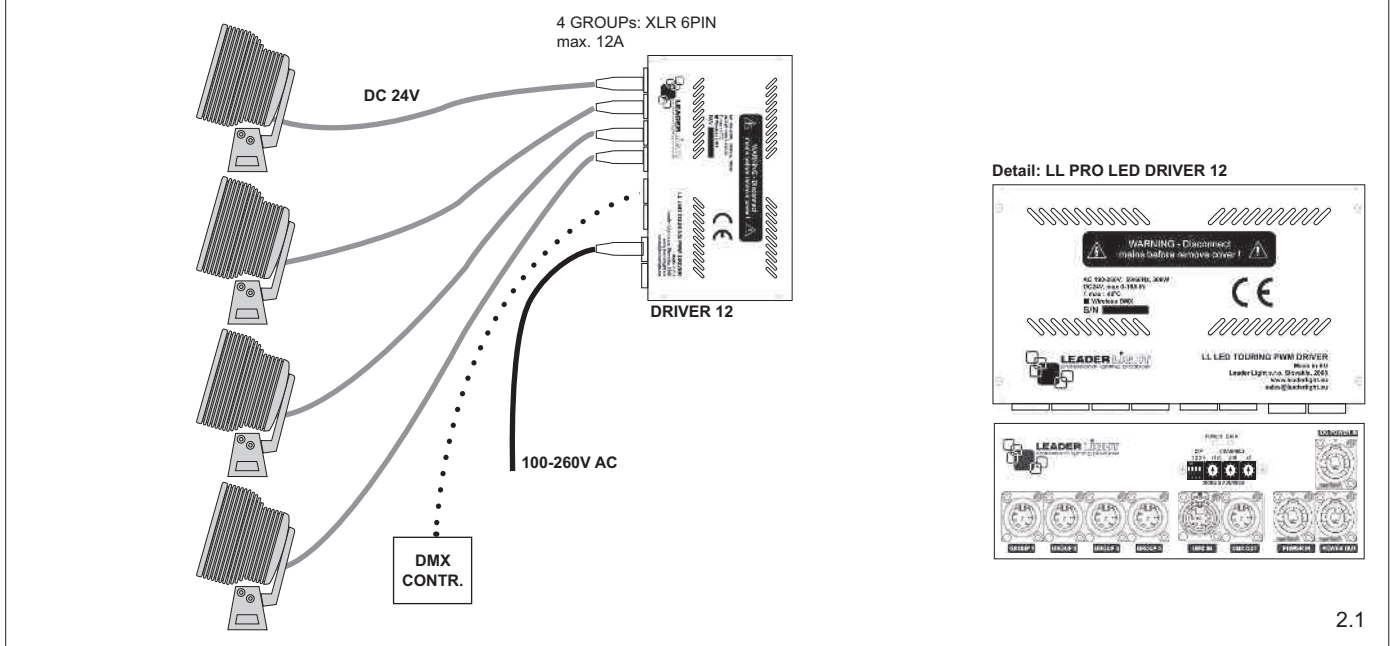
- **To tackle all Safety Information- 01!**
- Damage caused by inadequate cleaning or maintenance is not covered by warranty.
- Regular cleaning is demand (dust, dirt, ...).

##### Maintenance policy:

- Unplug mains before maintenance and at least 10 minutes cool off.
- Cleanup dust from cover.
- Use dampy duster (warm water).
- Before reinstalling to check failure-free state – no wet parts!

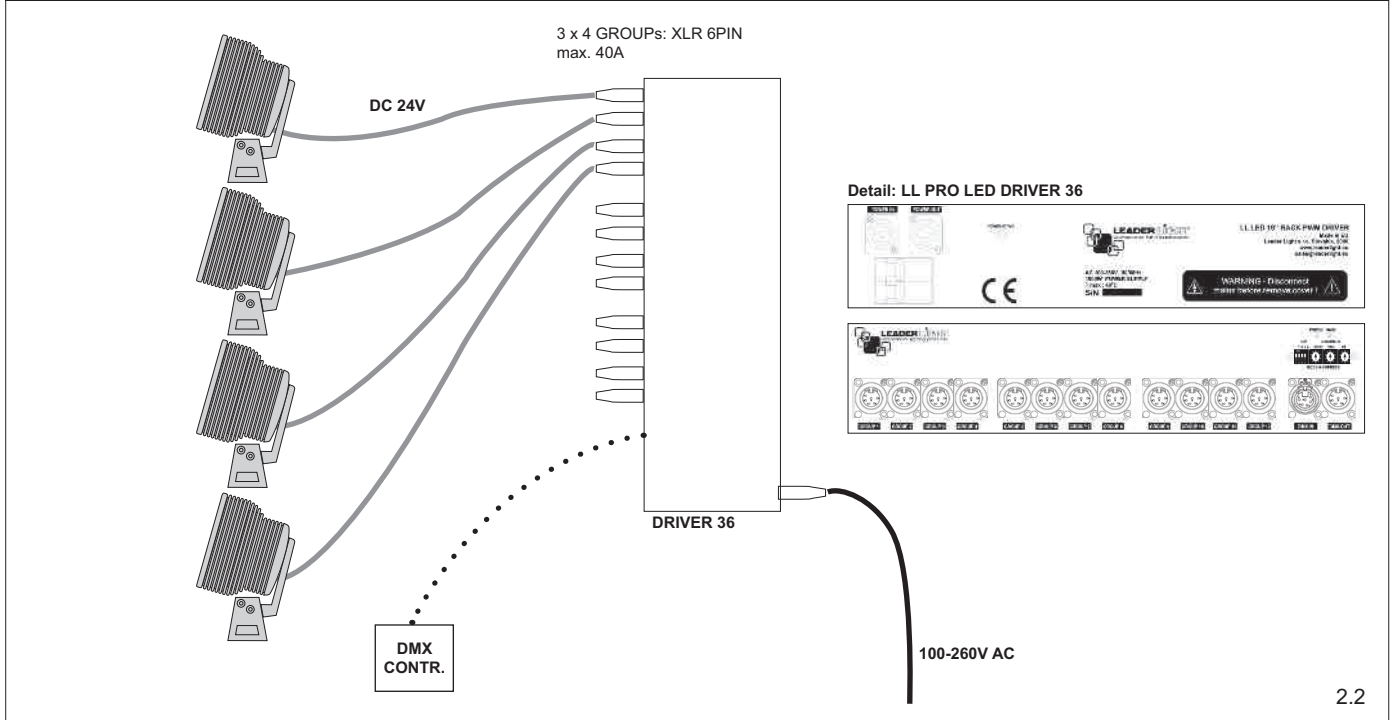
Order code	Product name	Current
LL46 400	LL PRO LED SPOT OneChip RGB	3x0,7A

### LL PRO LED SPOT connecting to PWM DRIVER 12



2.1

### LL PRO LED SPOT connecting to PWM DRIVER 36



2.2

