

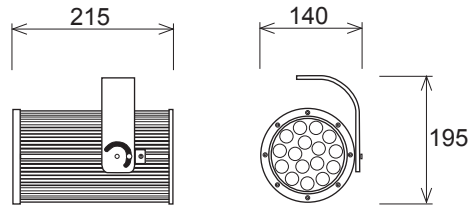
## USER MANUAL

### LL FLOOD SPOT

LL44 700

#### COMPLIMENTS ON YOUR PURCHASE!

All dimensions are in millimeters



#### Following items are included:

- LL FLOOD SPOT 1m power cable with PowerCon 1 pc.
- Adjustable mounting bracket 1 pc.
- User manual 1 pc.

#### Additional items needed:

- Data cables with XLR 5pin Female/Male 1 pc.
- Controller compatible with DMX
- Surface mounting:
- Screws and washers M12, M10

#### 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
- 02.2 Back panel

#### 03 INSTALLATION

- 03.1 Unpacking
- 03.2 Physical installation
- 03.3 Connecting to AC power
- 03.4 Control data connecting
- 03.5 DMX channels

#### 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)!

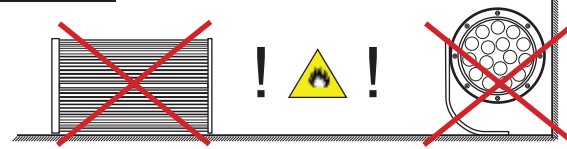
#### 01.2 Protection from electric shock

- Shut down power before installation or maintenance.
- Luminaries and recommended AC 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.
- Appliance always connect to earth (eltech).

#### 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 100mm (4 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.

### WARNING!!!



Non-minimum distance and / or non-use the original brackets is at your own risk!

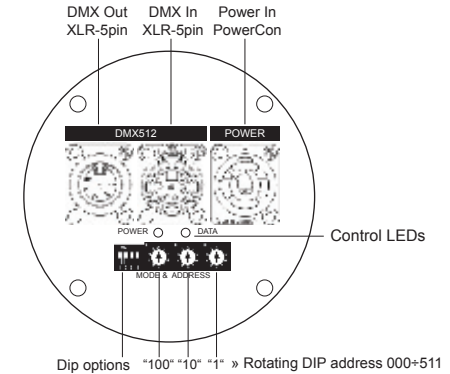
## 02 PRODUCT SPECIFICATION

### 02.1 Technical Specification

<b>Lamp type:</b>	16 x RGB 3x1W P5 *
<b>Lifetime:</b>	Long 50 000 hrs 70% degradation
<b>Optic:</b>	Standard 25°, on request: 10°, 40° and EL
<b>Control data Input:</b>	DMX 512 In/Out with 1m cable
<b>Input power:</b>	max. 100W
<b>Power connection:</b>	100-260V AC 50-60Hz In 1m cable
<b>Net weight:</b>	3kg
<b>IP:</b>	IP65
<b>Ambient temp. (Ta):</b>	max. +40°C
<b>Cooling:</b>	Conventional
<b>Materials and finish:</b>	Powder-painted anodized aluminium RAL9006 (other colours on request)
<b>Installation:</b>	Surface mounting

\*P5: RGB-Red and Green and Blue

## 02.2 Back panel



### Control LEDs Indication

LED	INDICATION	STATUS
POWER (Green)	blinking – 2Hz	OK - inside fixture is everything correct
DATA (Yellow)	light off	NO DMX512 signal
DATA (Yellow)	blinking – 4Hz	OK- income correct DMX512 signal
DATA (Yellow)	fast blinking	NON correct digital signal
POWER (Green)	alternate blinking	Autotest function
DATA (Yellow)		

## 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.

### 03.3 Connecting to AC power

- **To tackle all Safety Information- 01!**
- For protection from electric shock, the device must be grounded (earthed)!
- It is not necessary to open the fixture before power supply.
- Power supply is solved simple with Neutrik PowerCon connectors.
- The fixture is equipped with auto-switching power supply that automatically adjusts to any 50-60Hz AC power source from 100-260V.

- Cord plug connections:

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

### 03.4 Control data connecting

- Control data cable length is specified by Norm IEC929 Annex E4.
- It is not necessary to open the fixture before connecting of DMX512 control signal. Interconnections are realized by Neutrik XLR 5pin IN/Out connectors.
- Pin connections:
  - Pin 1 – ground
  - Pin 2 – signal negative
  - Pin 3 – signal positive

### 03.5 DMX channels - subject to change

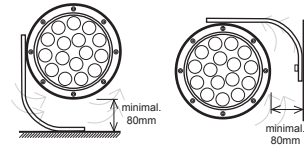
- The latest version of DMX channels appendix are on the websites - www.leaderlight.eu

DMX channels:	
dmx1	= Red
dmx2	= Green
dmx3	= Blue

Switch functions Dip4:	
Dip1	= ExtMode (+2 ch.: Master, Strobo)
Dip2	for future
Dip3	for future
Dip4	= Ultra soft curve

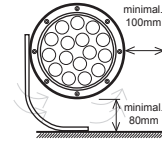
### INSTALLATION SPACE

Ventilation space 180° free



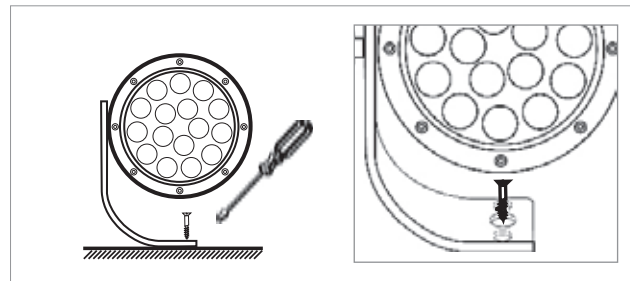
Minimal mounting distance from surface

Ventilation space 90° free

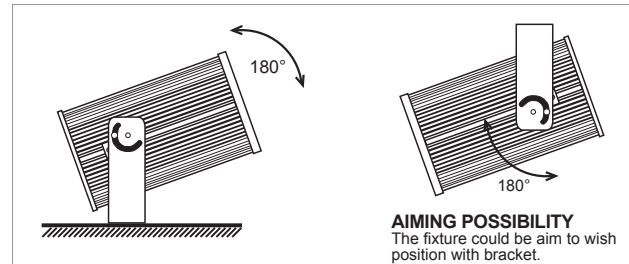


1.1

### Surface installation



Screw the fixture to the surface (M12 or 2xM10)



Unfix by hand the screw and aim the fixture to the wish position and fix.

1.2

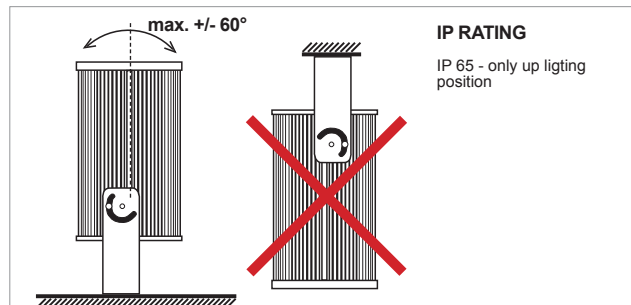
### 04 MAINTENANCE



- 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!



Order code	Product name
LL44 700	LL FLOOD SPOT RGB IP65

If you have any question please, contact [support@leaderlight.sk](mailto:support@leaderlight.sk)