

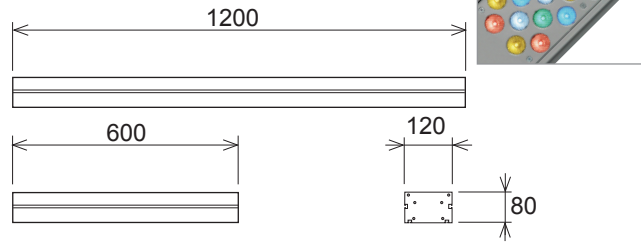
USER MANUAL

LL FLOOD WASH

LL44 090 LL44 100

COMPLIMENTS ON YOUR PURCHASE!

All dimensions are in millimeters



Following items are included:

- LL FLOOD WASH RGBAW 5m power cable with PowerCon 1 pc.
- PowerCon type "A" 1 pc.
- PowerCon type "B" 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 1 pc.
- Surface mounting:
- Screws and washers M12, M10

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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.

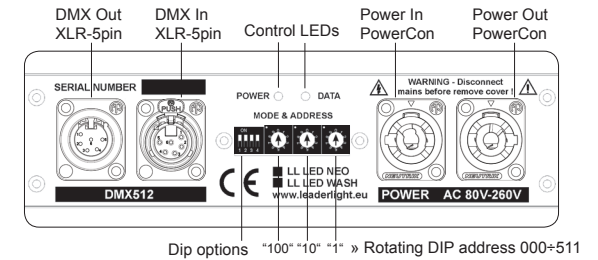
02 PRODUCT SPECIFICATION

02.1 Technical Specification

Lamp type:	66/132 x RGBAW P4 *
Lifetime:	Long 50 000 hrs 70% degradation
Optic:	Standard: 25°, on request: 10°, 40°, EL and AS
Control data Input:	DMX 512 In/Out with XLR 5pin
Input power:	max: 102W/203W
Power connection:	100-260V AC 50-60Hz In/Out PowerCon
Net weight:	5,5kg/11kg
IP:	IP20
Ambient temp. (Ta):	max. +40°C
Cooling:	Conventional
Materials and finish:	Housing: powder-painted anodized aluminium RAL9006 (other colours on request)
Installation:	Surface mounting

* P4: ■ R-Red, ■ G-Green, ■ B-Blue, ■ A-Amber W-White (6300°K)
One module RGBAW (4pcs White, 4pcs Green, 4pcs Blue, 5pcs Red, 5pcs Amber) => total 3/6 modules

02.2 Back panel



Control LEDs Indication

POWER ● DATA ●

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

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

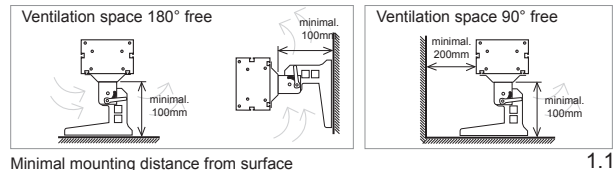
- Control data cable length is specified by Norm IEC929 Annex E4.
- It is not necessary to open the fixture before connecting of DMX512 control signal. Interconnections are realized by Neutrik XLR 5pin In/Out connectors.
- Pin connections :
Pin 1 – ground
Pin 2 – signal negative
Pin 3 – signal positive

03.5 DMX channels - subject to change

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

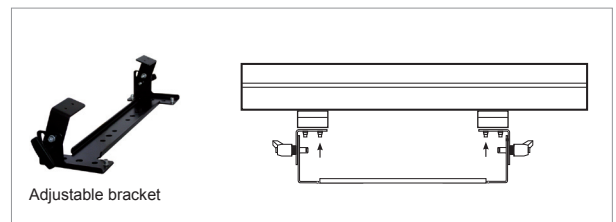
Ch.	FLOOD WASH 600 RGBAW	Ch.	FLOOD WASH 1200 RGBAW	
Mode1: Dip2=Off				
1	Red 1,2,3	1	Red 1,2,3,4,5,6	
2	Green 1,2,3	2	Green 1,2,3,4,5,6	
3	Blue 1,2,3	3	Blue 1,2,3,4,5,6	
4	Amber 1,2,3	4	Amber 1,2,3,4,5,6	
5	White 1,2,3	5	White 1,2,3,4,5,6	
6	Master (Dip1=On, Dip4=Off)	6	Master (Dip1=On, Dip4=Off)	
7	Strobo (Dip1=On, Dip4=Off)	7	Strobo (Dip1=On, Dip4=Off)	
Mode4: Dip2=On				
1	Red 1	1	Red 1	18 Blue 4
2	Green 1	2	Green 1	19 Amber 4
3	Blue 1	3	Blue 1	20 White 4
4	Amber 1	4	Amber 1	21 Red 5
5	White 1	5	White 1	22 Green 5
6	Red 2	6	Red 2	23 Blue 5
7	Green 2	7	Green 2	24 Amber 5
8	Blue 2	8	Blue 2	25 White 5
9	Amber 2	9	Amber 2	26 Red 6
10	White 2	10	White 2	27 Green 6
11	Red 3	11	Red 3	28 Blue 6
12	Green 3	12	Green 3	29 Amber 6
13	Blue 3	13	Blue 3	30 White 6
14	Amber 3	14	Amber 3	31 Master (Dip1=On, Dip4=Off)
15	White 3	15	White 3	32 Strobo (Dip1=On, Dip4=Off)
16	Master (Dip1=On, Dip4=Off)	16	Red 4	
17	Strobo (Dip1=On, Dip4=Off)	17	Green 4	
Extention and control functions:				
Dip4=Off, Dip1=Off =>DipBCD: use rotating switch for DMX start address (RS1-100, RS2-010, RS3-001) from 001 to 511				
Dip4=Off, Dip1=On: address+2channel (Master+Strobo)				
Dip4=On, Dip1=Off: switch on AutoRun-table functions: "100"=Prg,0-9, "10"=StepTime, "1"=FadeTime				
Dip4=On, Dip1=On: switch all channels on 50% - test function				
Dip2=Off: Mode 1 (5+2ch)		Dip2=Off: Mode 1 (5+2ch)		
Dip2=On: Mode 4 (15+2ch)		Dip2=On: Mode 4 (30+2ch)		
Dip3=Off: standard curve				
Dip3=On: ultraSoft curve				

INSTALLATION SPACE

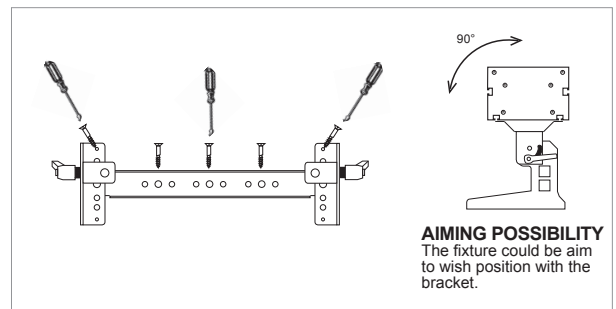


Mechanical mounting of LL FLOOD WASH and Adjustable bracket

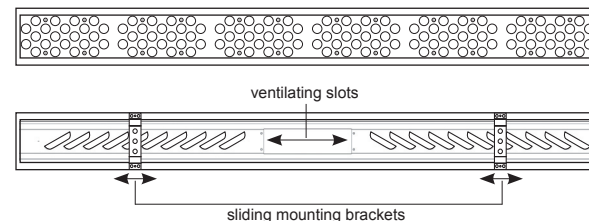
The installation of LL FLOOD WASH and Adjustable bracket is easy. It is not necessary to open the fixture before the mechanical mounting.



2.1 Fit the adjustable bracket on the fitting and fit with screws.



2.2 The bracket fix to the solid surface with screws (minimal 4pcs).



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 090	LL FLOOD WASH RGBAW 600 *
LL44 100	LL FLOOD WASH RGBAW 1200 *

* Optional 10°, 40°, EL (Elliptical 15°x90°), AS (Asymmetrical) on request.