

USER MANUAL

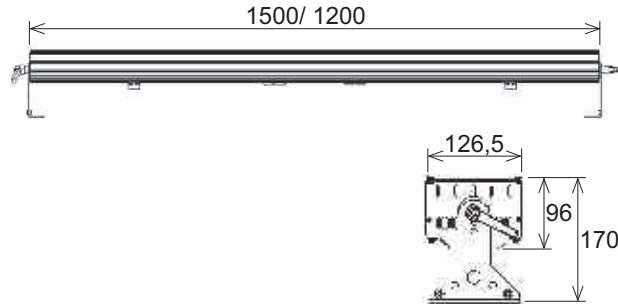
LL PRO NEO RGBW

LL05 400 LL05 420
LL05 440



COMPLIMENTS ON YOUR PURCHASE!

All dimensions are in millimeters



Following items are included:

- LL PRO NEO with RGBW T5 tubes	1 pc.
- PowerCon type "A" + "B"	1 pc.
- Mounting brackets	2 pcs.
- Adjustable screw	2 pcs.
- Plastic ring	2 pcs.
- User manual	1 pc.

Additional items needed:

- Data cables with XLR 5PIN
- Controller DMX compatible

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01 SAFETY INFORMATION



WARNING!!!

Carefully read before installing, powering or servicing.
Nothing to do if anything misunderstand!
Only for professional use!

01.1 Protection from electric shock



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

01.2 Fire prevention



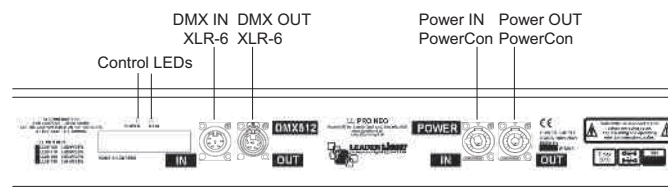
- Follow all safety consideration.
- Thermostatic switches or fuses never to bypass.
- Device never shield – minimum distance around ventilating slot must be 50mm (2 in.).
- Allowing max. ambient temperature is 40°C (104°F).

02 PRODUCT SPECIFICATION

02.1 Technical Specification

Lamp type:	1500mm: 4xT5 HE 35W or HO 80W 1200mm: 4xT5 HE 28W or HO 54W (Red, Green Blue and White)
Lifetime:	Long 20 000 hrs
Gear:	IQ ballast ready for T5 HO or T5 HE DALI
Control data Input:	DMX 512 in/out with XLR 5PIN
Power Input:	198-264V, 50/60Hz AC in/out PowerCon
Net weight:	1500mm/1200mm: 11kg/10kg
Dimensions LxWxH:	1500mm/1200mm x 125mm x 95mm without bracket
IP:	IP20
Ambient temp. (Ta):	Maximum 40°C
Materials and finish:	Housing: powder-painted anodized aluminium in black (other colours on request)
Installation:	Surface mounting

02.2 Back panel



Control LEDs Indication

POWER ● DATA ●

LED	INDICATION	STATUS
POWER (Red)	blinking – 1Hz	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, ...).
- Heigbreadth from combustible materials is 0,5m.



1. Installation adjustable brackets to body LL PRO NEO

RECOMENDATION !

Before start, in order to obtain the full 20.000 hour life time, new fluorescent tubes must be burned in for 100 hundred hours at full power.

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 sovled simple with PowerCon.
- The fixture is equipped with auto-switching power supply that automatically adjusts to any 50-60 Hz AC power source from 100-260 Volts.

- 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 5 PIN IN/OUT connectors.

- Pin connections:

- Pin 1 – ground
- Pin 2 – signal negative
- Pin 3 – signal positive

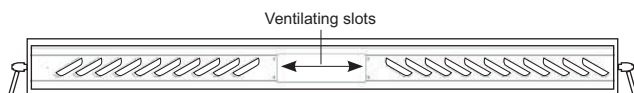
03.5 DMX channels

Mode1: Dip2=Off, Dip3=Off

- channel 1 = Red
- channel 2 = Green
- channel 3 = Blue
- channel 4 = White
- channel 5 = Preheat (Dip3=On)
- channel 6 = Master (Dip2=On)

DMX addressing and service functions :

By DIP buttons 1 to 9 is preset digital address from 1 to 511.
 If is DIP buttons 1 to 9 ZERO and DIP button 10 ON, channels 1 to 5 will be set on a maximum for checking function ballasts and tubes.
 All DIP switch ZERO has generate a reset function (factory setting) if you switch off/on power supply.



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 fitting.
- Use vacuum or dampy duster (warm watter).
- Before reinstalling to check failure-free state – no wet parts!

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.

Mounting of LL PRO NEO RGBW

Mounting on ceiling and wall is easy using various accessories as seen below (Figures Nr. 1.1 to 1.6). It is not necessary to open the fixture for mounting.



1.1 Mounting on ceiling



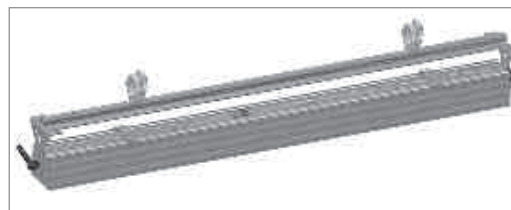
1.2 Mounting with wall bracket



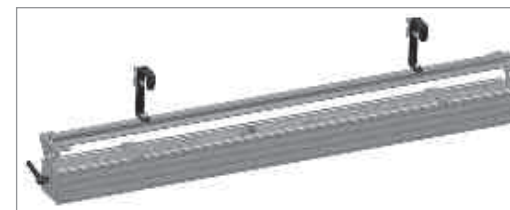
1.3 Mounting with clamp



1.4 Mounting with hookclamp



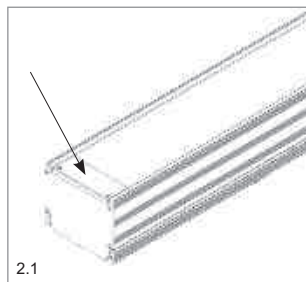
1.5 Long bracket 1500 with clamps



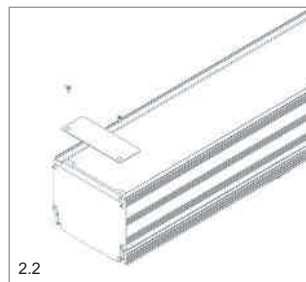
1.6 Long bracket 1500 with hookclamps

Insertion or exchange of fluorescent tubes

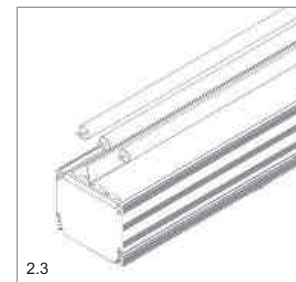
It is not necessary to open the fixture for insertion or exchange of tubes. On both sides of the fixture are small cover pieces with 2 screws (Figure Nr. 2.1). Remove these small pieces on both sides of the LL PRO NEO light (Figure Nr. 2.2).



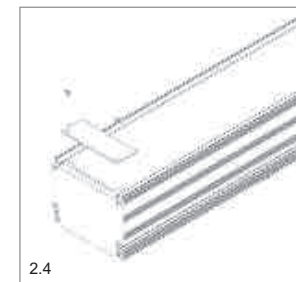
2.1



2.2



2.3



2.4

So you will get free space for insertion or exchange of fluorescent tubes (Figure Nr. 2.3). Carefully remove each of the tubes by rotating them (at the ends) until you are able to pull one end out, and then remove the entire tube. By remounting follow these instructions backwards (Figure Nr. 2.4).

Installation with LL accessories

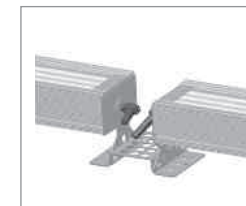
Multiple installation to line or parallel is possible with L and U consoles. For fast and easy single installation is long bracket available.



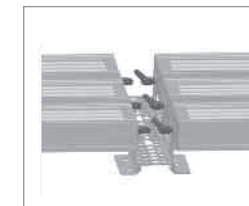
3.1. Installation with long bracket 1500



3.2. Installation with L console



3.3. Installation with U console



3.4. 3+3 connection by U and L consoles