



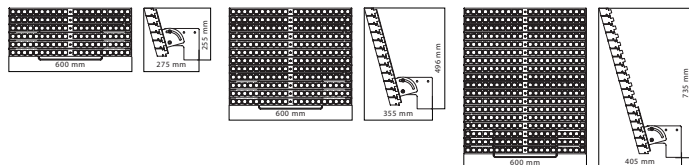
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LEADER LIGHT

USER MANUAL

LL SPORT 4K ... with DMX DRIVER

COMPLIMENTS ON YOUR PURCHASE!



Package includes:

- LL SPORT 4K with adjustable bracket
- User manual

1pc.
1pc.

Additional items needed:

- Data and power cables
- LL SPORT DRIVER DMX
- Mounting accessories as necessary
- DMX controller

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ENVIRONMENTAL PROTECTION

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 Safety instructions

- Shut down power before installation or maintenance.
- Do not modify, alter, or attempt to service the LEADER LIGHT appliance. Doing so will void the warranty.
- Appliance and recommended AC power supply must be installed by a qualified professional in accordance with relevant local codes. Use only acceptable source of AC power and frequency that complies with local building and electrical codes.
- Use only the recommended voltage source.
- Appliance always connect to earth (eltech.)!
- 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.
- Before removing or installing any cover or part of appliance disconnect it from AC power.
- AC power supply must be protected against overvoltage and short circuits.

01.3 Fire protection

- Follow all safety restrictions.
- Thermostatic switches or fuses never to bypass.
- Device and **ventilating slots 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.).
- 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.

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

02 PRODUCT SPECIFICATION

02.1 Technical specification

LL SPORT 4K luminaire

Power connection: use only with LL SPORT DRIVER, Input with XLR 4 pin

IP: IP20 or IP 67 on request

Ambient temp. (Ta): Standard: -30 °C < Ta < +40 °C; Optional: +55 °C

Net weight: 250 W: 6,5 kg, 500 W: 13 kg, 750 W: 20 kg without Driver

Installation: on surface/pendante with bracket

LL SPORT DRIVER DMX:

Power connection: AC 90 – 305 V, 47– 63 Hz;
setup time 15 ms,max. Inrush current 75 A / 240 V AC

IP: IP20

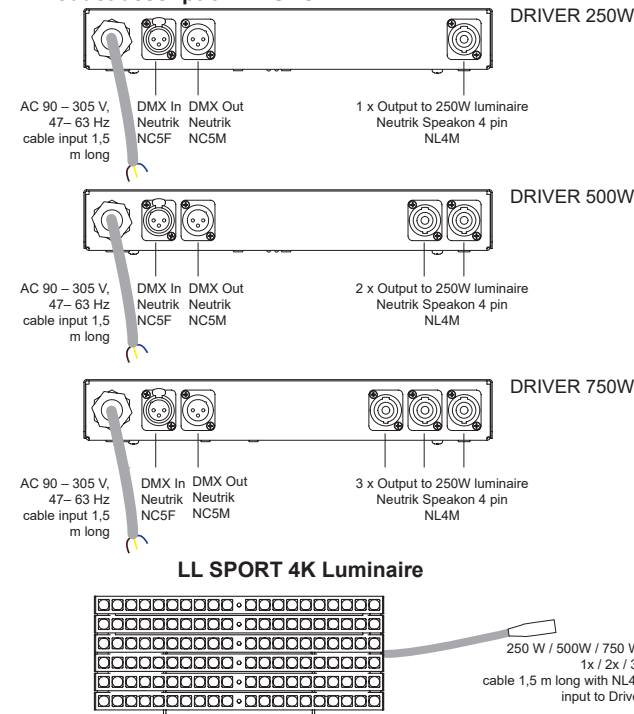
Control: DMX

Ambient temp. (Ta): Standard: -30 °C < Ta < +40 °C; Optional: +55 °C

Net weight: 250 W: 2,1 kg, 500 W: 3,6 kg, 750 W: 5,2 kg without bracket

Installation: on surface or luminaire

02.2 Product description LL SPORT DRIVER



Luminaire must be connect to Driver! Never connect direct to main power!

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.
- Hairbreadth from combustible materials is 0,5m.

03.3 Connection

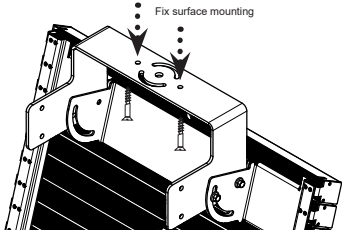
- Respect all SAFETY INFORMATION 01!
- Connect the ground (earth) !
- Connect the luminaire with Neutrik Speakon 4 pin to Driver lum. input. It is not necessary to open the Driver box before power supply
- The fixture is equipped with auto-switching power supply that automatically adjusts to any 47-63Hz AC power source from 90-305V.
- Cord plug connections:

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

2. Mechanical mounting of LL SPORT 4K

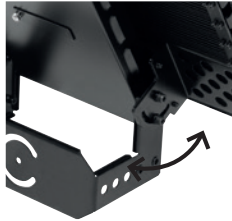
Mounting on surface:

2.1 Screw the fixture to the surface (1xM10 + 2xM8) +/-45 °



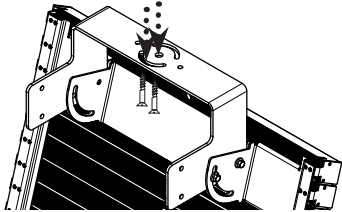
AIMING POSSIBILITY

The whole fixture could be aim to wish position with adjustable bracket.

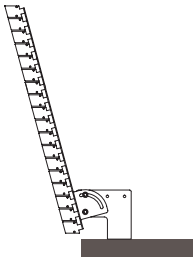


Adjustable surface mounting

Turn bracket with luminaire in the desired direction and tighten the screws



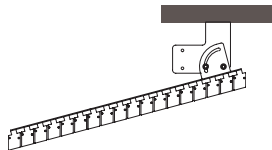
Construction mounting 0 °



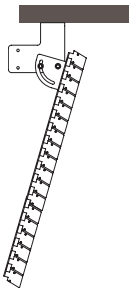
Construction mounting 75 °



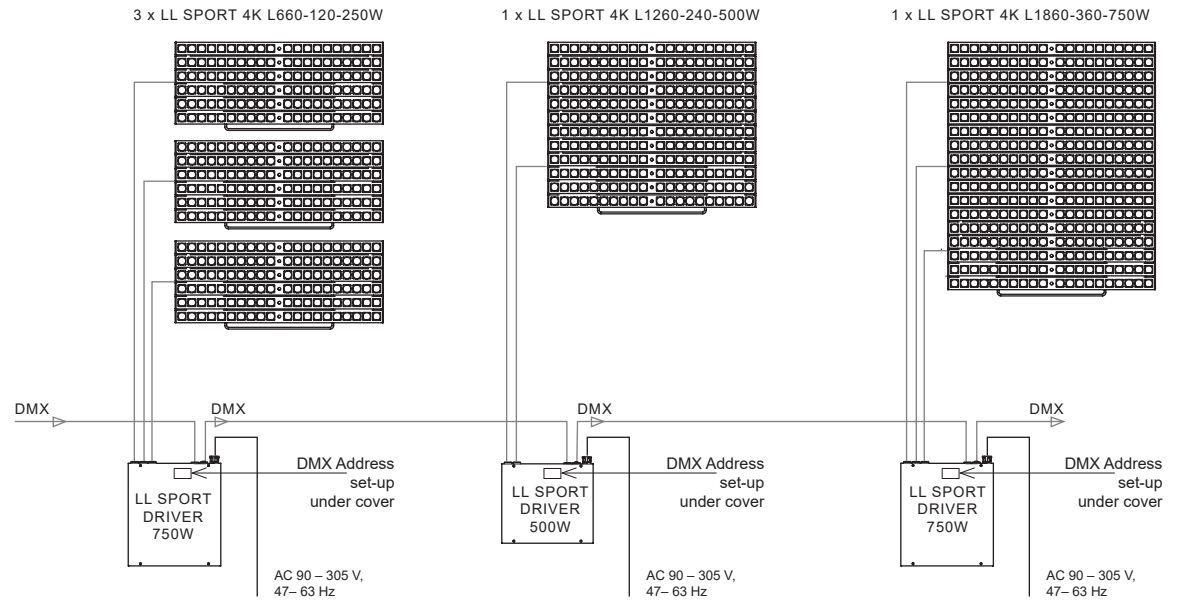
Celling mounting 0 °



Celling mounting 75 °

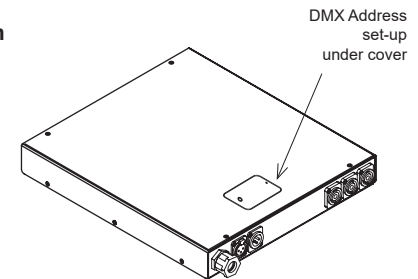


4. Block diagram - LL SPORT 4K luminaire connection with LL SPORT DRIVER



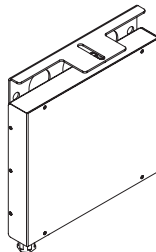
LL SPORT DRIVER	Number of luminaires		
	LL SPORT 4K L660-120-250W	LL SPORT 4K L1260-240-500W	LL SPORT 4K L1860-360-750W
250 W	1	-	-
500 W	2	1	-
750 W	3	1	1

03.4 Control data connection - contact LEADER LIGHT

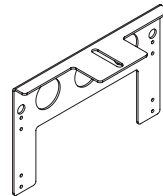


3. DRIVER fixation on surface

The DRIVER could be mount on surface or direct on luminaire (select the type of mounting bracket depending on the type of attachment)



LL SPORT DRIVER



LL SPORT DRIVER BRACKET
SURFACE



LL SPORT DRIVER mount direct
on luminaire

04 MAINTENANCE AND SERVICE

- Before any maintenance is necessary to carefully read all **SAFETY INFORMATION 01!**
- Damages caused by inadequate cleaning or maintenance are not covered by warranty.
- Requires periodic cleaning (dust, dirt ,...)

Procedure for maintenance:

- 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. Use vacuum or dumpy duster (warm water)
- Before reinstalling make sure everything is intact and dry- no wet parts!

Service:

- Customer service provided by the manufacturer.