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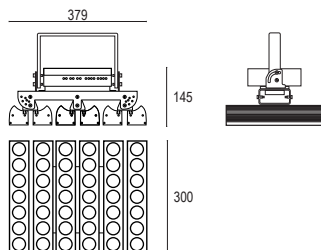
# LEADER LIGHT

## USER MANUAL

### LL SPORT D630-NA-I20

#### COMPLIMENTS ON YOUR PURCHASE!

All dimensions are in millimeters



#### Package includes:

- LL SPORT D630-NA-I20 with adjustable bracket & driver
- User manual

1pc.

1pc.

#### Additional items needed:

- Data and power cables
- Controller compatible with DMX (DIM version)
- Mounting accessories as necessary

#### Content:

#### 01 SAFETY INFORMATION

- 01.1 Risk of eyes damage
- 01.2 Safety instructions
- 01.3 Fire protection

#### 02 PRODUCT SPECIFICATION

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- 02.2 Product description

#### 03 INSTALLATION

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- 03.3 Connection
- 03.4 Control data connection
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#### 04 MAINTENANCE AND SERVICE

#### 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

**Power connection:** AC90-264V, 47-63Hz

**IP:** Driver: IP20; Fixture: IP43/IP65

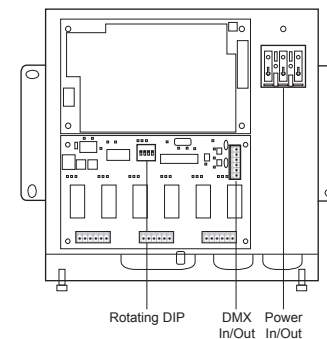
**Control data:** only DIM version: DMX 512 In/Out

**Ambient temp. (Ta):** Standard: -30°C < Ta < +40°C; Optional: +50°C

**Net weight:** 6,80kg

**Installation:** Surface / suspended mounting with bracket

## 02.2 Product description - DRIVER inside (DIM version)



Before connecting the power and DMX (DIM version) remove the cover from the Driver box!  
Rotary DIP (DIM version) set before the physical installation!

## 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) !
- It is necessary to open the Driver box before power supply (1.1 Figure) and DMX connection (DIM version)!
- 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 connection

- Control data cable length is specified by Norm IEC929 Annex E4.
- It is necessary to open the Driver box before connecting of DMX512 control signal. Interconnections are realized by... connectors.
- Pin connections:
  - Pin 1 – ground
  - Pin 2 – signal negative
  - Pin 3 – signal positive

### 03.5 DMX channels - only for DIM VERSION!!!

*These informations are subject to change. latest data are on: [www.leaderlight.eu](http://www.leaderlight.eu)*

#### Functions Dip1-Dip4:

**ModA:** Dip3=Off, Dip4=Off (1ch, 8b+fade)

1ch: all White

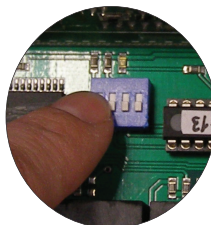
Address:

Dip1=Off, Dip2=Off : DmxAddress=1

Dip1=On, Dip2=Off : DmxAddress=2

Dip1=Off, Dip2=On : DmxAddress=3

Dip1=On, Dip2=On : DmxAddress=4



**ModB:** Dip3=Off, Dip4=On (6ch, 8b+fade)

1ch: White1

2ch: White2

3ch: White3

4ch: White4

5ch: White5

6ch: White6

Address:

Dip1=Off, Dip2=Off : DmxAddress=1

Dip1=On, Dip2=Off : DmxAddress=7

Dip1=Off, Dip2=On : DmxAddress=13

Dip1=On, Dip2=On : DmxAddress=19

**ModC:** Dip3=On, Dip4=Off (2ch, 16b)

1ch: all White High

2ch: all White Low

Address:

Dip1=Off, Dip2=Off : DmxAddress=1

Dip1=On, Dip2=Off : DmxAddress=3

Dip1=Off, Dip2=On : DmxAddress=5

Dip1=On, Dip2=On : DmxAddress=7

**ModD:** Dip3=On, Dip4=On (AutoTest)

**Overlapping six channels.**

Order code	Product name
LL47 305.426*	LL SPORT D630-NA-I20 SW; 5.600K
LL47 315.426*	LL SPORT D630-NA-I20 DIM; 5.600K

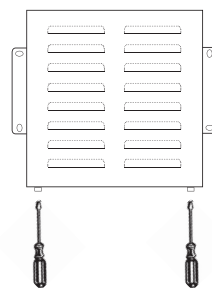
\* Order code: LL47 ---xyz:

"x" = Product colour: x = 1 (RAL 9005), x = 4 (RAL 9006),

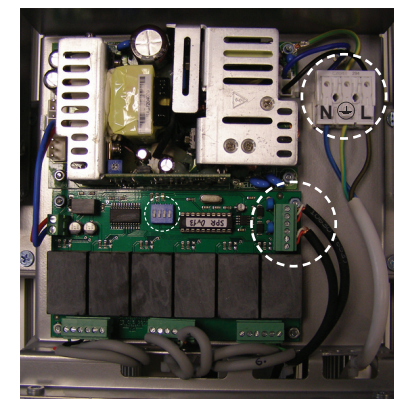
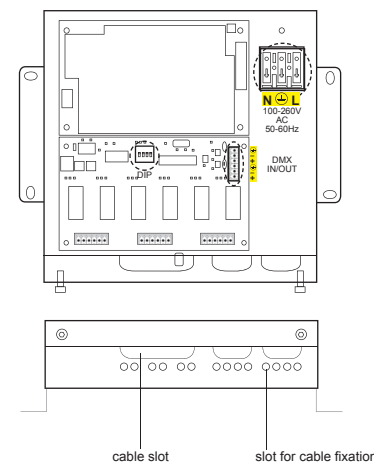
"y" = IP: y = 2 (IP20), y = 4 (IP43), y = 6 (IP67),

"z" = Light colour temperature: z = 1 (3.000K), z = 2 (3.500K), z = 3 (4.000K), z = 4 (4.500K), z = 5 (5.000K), z = 6 (5.500K), z = 7 (6.000K) +/- 200K

### 1. Power and DMX (only DIM version) connection



1.1. Before connecting the power and DMX (DIM version) remove the cover from the Driver box!  
Rotary DIP (DIM version) set before the physical installation!



1.2. Connect the power and DMX (DIM version).

1.3. After DIP setup, connecting the DMX (DIM version) and power, you **must mount back the DRIVER cover!**

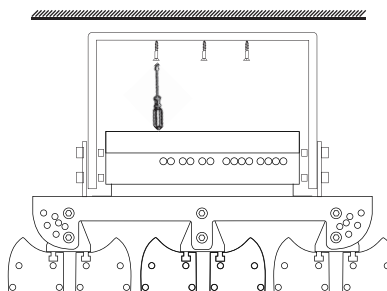
- Shut down power before installation or maintenance.
- Do not modify, alter, or attempt to service the LEADER LIGHT appliance. Doing so will void the warranty.
- Appliance and recommended AC power supply must be installed by a qualified professional in accordance with relevant local codes. Use only 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.



### 2. Mechanical mounting of LL SPORT D630-NA-I20

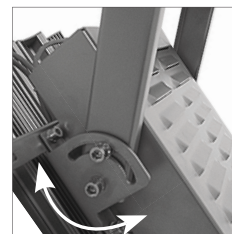
Mounting on surface:

2.1 Screw the fixture to the surface (3xM10)



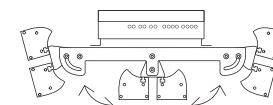
#### AIMING POSSIBILITY

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

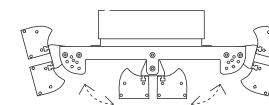


### 3. Fixture fixation

The standard bracket offers two options for fixture fixation: variable angle setup or step setup:



3.1 Variable angle setup 0°-75°.



3.2 Step setup 0°-15°-30°-45°-60°-75°.

IP20

90V  
264V



### 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.