# CLS REVO COMPACT TRACK DMX

Manual

V1.7 - March 2025

# INDEX

## SAFETY INFORMATION



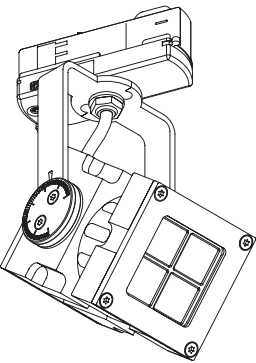| | |
|---|---|
| | Do not stare into the LED |
| | Ambiance Max. 40° |
| | Qualified technician |
| | Disconnect the power supply before installing or maintaining |
| Make sure all connectors are connected properly | |
| Use a source of AC power that complies to local electrical codes | |
| Block access below the work area when maintaining the unit | |
| Don't modify or install genuine parts on this product | |
| Don't install in a flammable or explosive area | |
| Warning! Some surfaces can be hot | |

## CONTENT



+



CLS REVO COMPACT TRACK DMX

84 mm

46 mm

EUTRAC

Global adapter

45 mm

110 mm

175 mm

100 mm

190 mm

78 mm

78 mm

78 mm

78 mm

**Tools**

T20

**1**

Set the adapter to the desired phase by turning the wheel

**2**

*CLS Global 3-phase rail + data*

**3**

#Y110935
#Y110938

DMX signal

**4**

#Y108511-B
#Y108511-G

**5**

Position indicator

**SPECIFICATIONS**

| | |
|---|---|
| LED: | 4 x High Power LED |
| Available colours: | 2200K, 2700K, 3000K, 4000K, 5000K, 6500K, amber, royal blue, lime green, green and red |
| Lenses: | 8°, 12°, 30°, 61°, 80° and 12x46° |
| Power supply: | 100 ~ 240 VAC |
| Power consumption: | Max. 10 Watt |
| Housing: | Anodised aluminum |
| Weight: | 1,3 kg |
| IP value: | IP20 |
| Measurements: | 175 x 78 x 78 mm (hxwxd) |
| Ambient temperature: | –30° C till +40° C |

With Eutrac adapter

**1**
*CLS Eutrac
3-phase rail
+ data*

**2a**

A

B

1  0

2  3

90°- 0 - 90°

**2b**

B

1  0

2  3

90°- 0 - 90°

**3**
*# Y108155*

**4**
*# Y108152*

**5**

Position
indicator

**!**  **NOTE: The Magno Dimming function only works when no DMX is connected.**  **!**

**1**
*# Y106017*

**2**

Place the
magnet
at the indicated
'bullseye' on the
backplate

**3**

To store the
configuration
hold the magnet
for 3 seconds
on the REVO

**4**
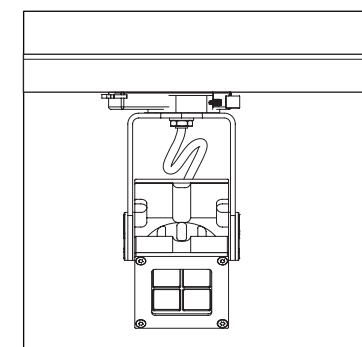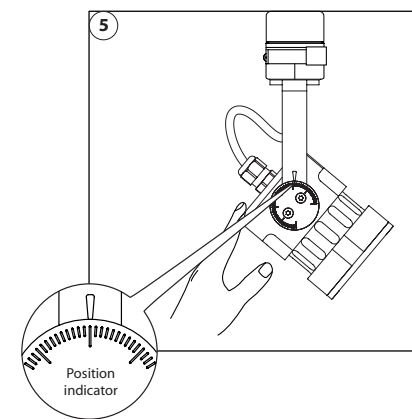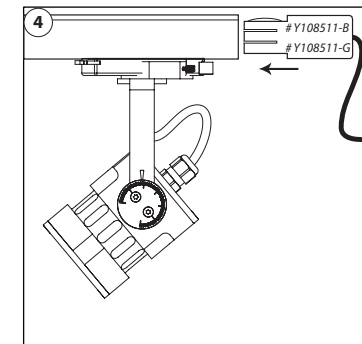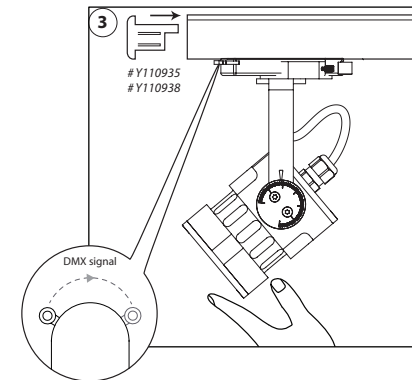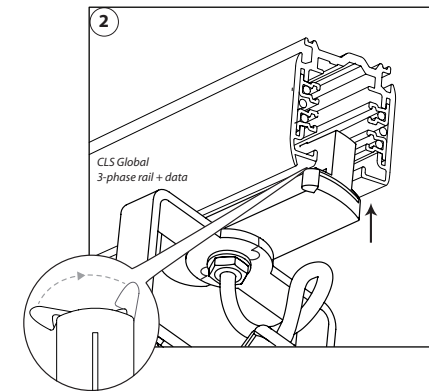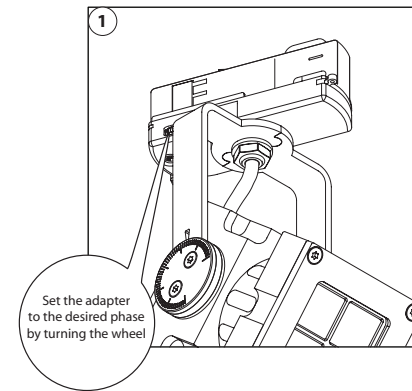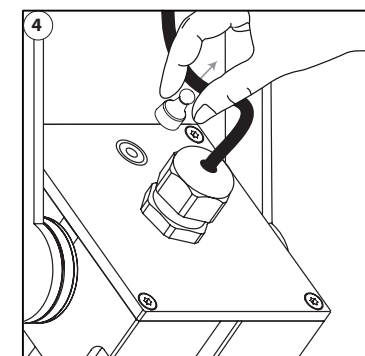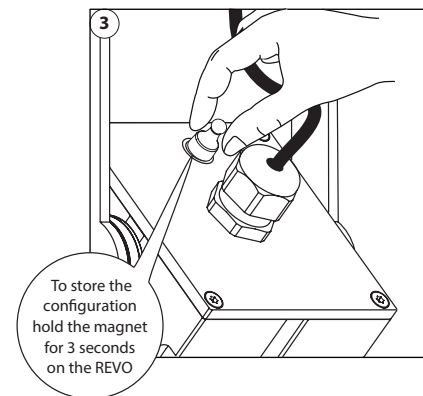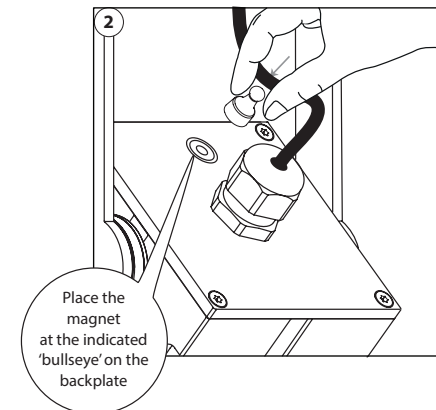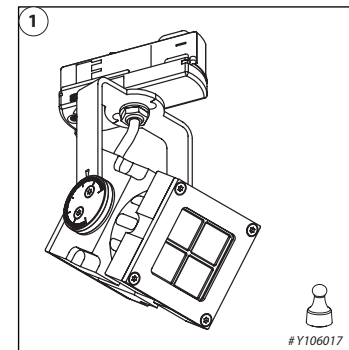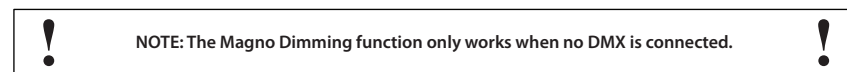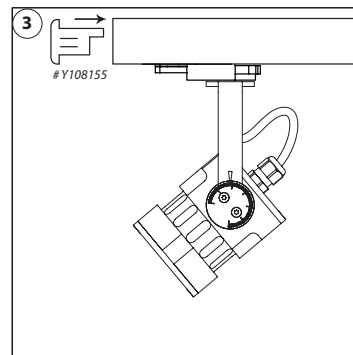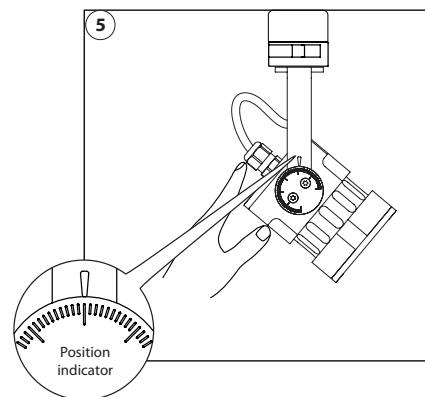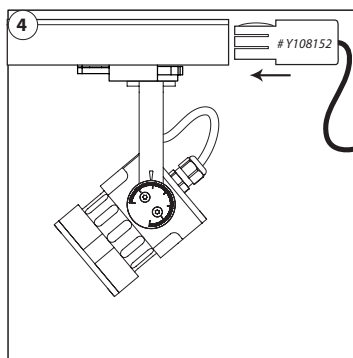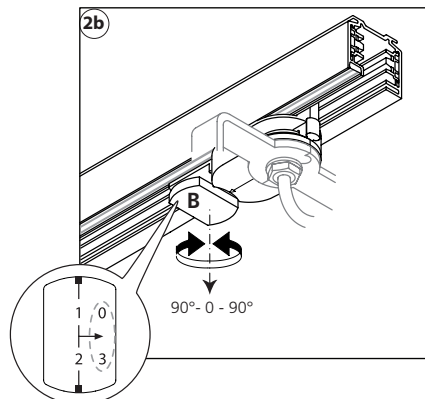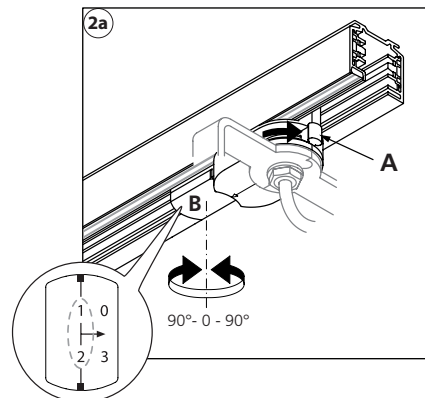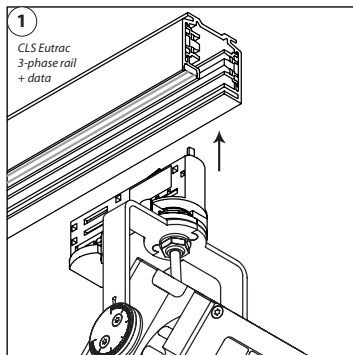
# PROGRAMMING

Via DMX the Revo Track can be configured. After setting the DMX to the desired values just hold the magnet on the Revo's backplate at the 'bullseye'. Hold the magnet for approximately 3 seconds (step 3), when holding the magnet on the Revo it will turn on and when programming has finished the Revo will turn off again. When the light does not turn off after 3 seconds repower and try again.

### Addressing
To configure address (1-255) set data on DMX channel 1:
0 = no changes are made.
1-255 = address is set to 1-255.

To configure address (256-508) set data on DMX channel 2:
0 = no changes are made.
1-253 = address is set to 256-508.

### Examples:
Address 132  =>  set data 132 on DMX channel 1.
Address 278  =>  set data 23 on DMX channel 2.

### Static brightness
When DMX fails or is not present the programmed brightness will become active.
To configure the static function set DMX channel 3 to the desired brightness.
0 = no changes are made.
1 = function disabled.
2-255 =  brightness of the fixture.

### Soft dim option
When active the Revo Track will have soft dim curve.
To configure the soft dim function set data on DMX channel 4.
0 = no changes are made.
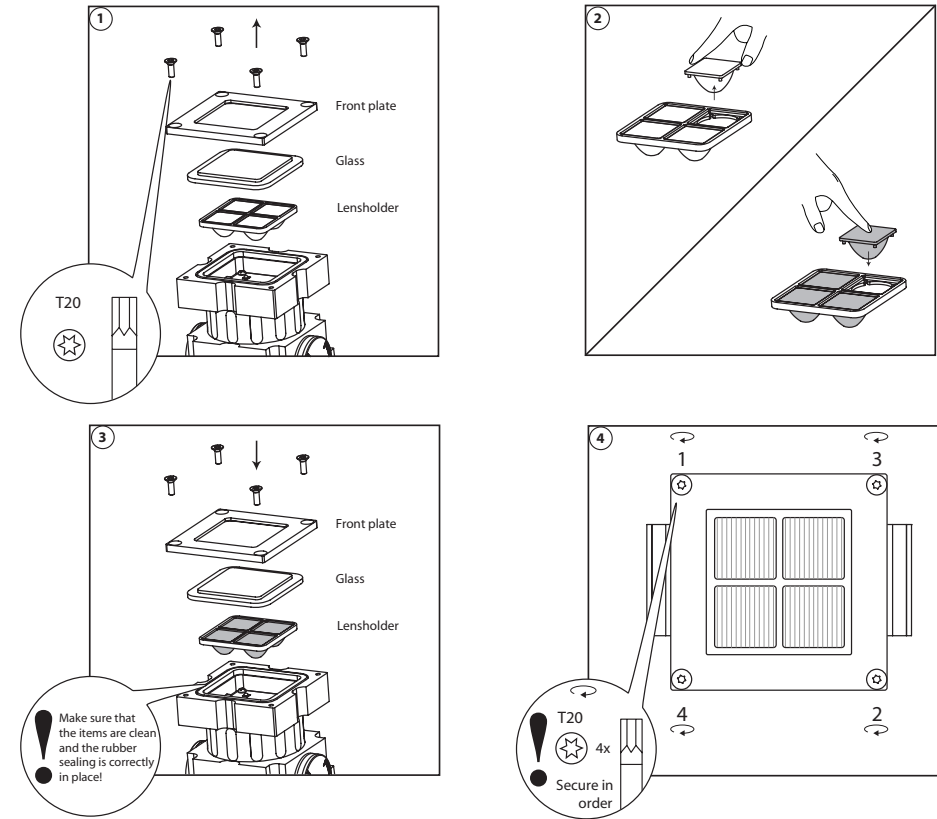<127 = function turned off.
>127 = function turned on.

## MAGNO DIMMING
Only works when no DMX is connected

**1**. Place the magnet on the backplate, at the indicated spot.

**2**. The Revo starts slowly dimming from 100 – 1% in approx. 30 seconds.
The dimming is very accurate and precise, so steps are very small.

**3**. At the desired intensity level, take away the magnet.

**4**. After 10 seconds the Revo flashes one time, the value has been stored on the internal memory.

**5**. When powering up the Revo, the stored value will be recalled from the internal memory.

**6**. If you want to have a lower value, replace the magnet and the Revo dims further to lower levels.
To store the new setting repeat step 3 – 5.

**7**. If the Revo is being dimmed to Level 0 and you have not programmed a value, it will automatically
start at Level 100 and dim back from 100 - 1%.

# LENS REPLACEMENT



1

T20

Front plate

Glass

Lensholder

2

3

Front plate

Glass

Lensholder

! Make sure that the items are clean and the rubber sealing is correctly in place!

4

1    3

4    2

! T20  4x

Secure in order

**ACCESSORIES Global**

**Global - black**

| | |
|---|---|
| Y108501-B | CLS Global 3-phase rail + data 1 meter black |
| Y108502-B | CLS Global 3-phase rail + data 2 meter black |
| Y108503-B | CLS Global 3-phase rail + data 3 meter black |
| Y108504-B | CLS Global 3-phase rail + data 4 meter black |
| Y108511-B | CLS Global 3-phase rail + data end feed right, black |
| Y108512-B | CLS Global 3-phase rail + data end feed left, black |
| Y108513-B | CLS Global 3-phase rail + data middle feed black |
| Y108515-B | CLS Global 3-phase rail + data L–coupler inner black |
| Y108516-B | CLS Global 3-phase rail + data L–coupler outer black |
| Y110938 | CLS Global 3-phase rail + data end cap black |

**Global - grey**

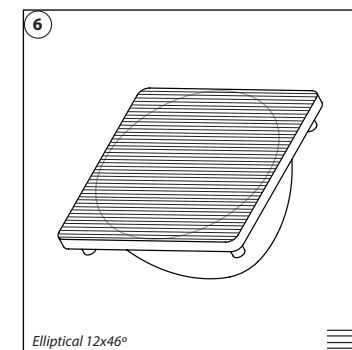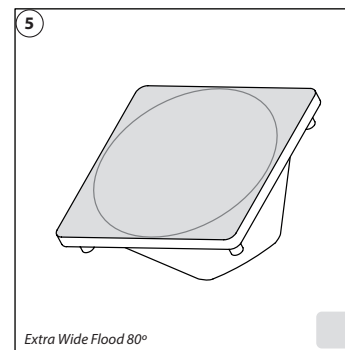| | |
|---|---|
| Y108501-G | CLS Global 3-phase rail + data 1 meter grey |
| Y108502-G | CLS Global 3-phase rail + data 2 meter grey |
| Y108503-G | CLS Global 3-phase rail + data 3 meter grey |
| Y108504-G | CLS Global 3-phase rail + data 4 meter grey |
| Y108511-G | CLS Global 3-phase rail + data end feed right, grey |
| Y108512-G | CLS Global 3-phase rail + data end feed left, grey |
| Y108513-G | CLS Global 3-phase rail + data middle feed grey |
| Y108515-G | CLS Global 3-phase rail + data L–coupler inner grey |
| Y108516-G | CLS Global 3-phase rail + data L–coupler outer grey |
| Y110935 | CLS Global 3-phase rail + data end cap grey |

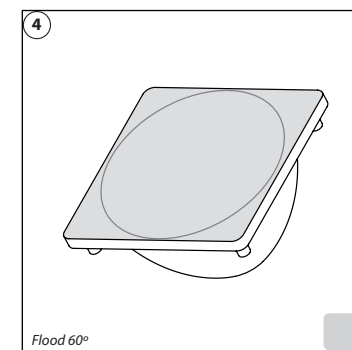**ACCESSORIES**

**Eutrac - black**
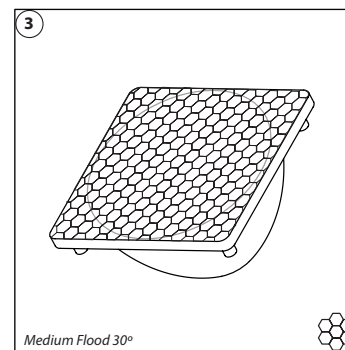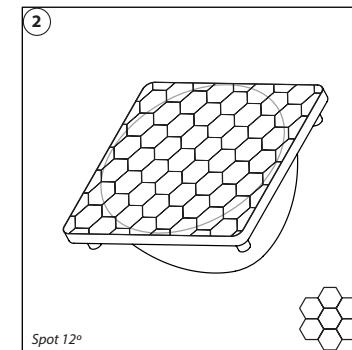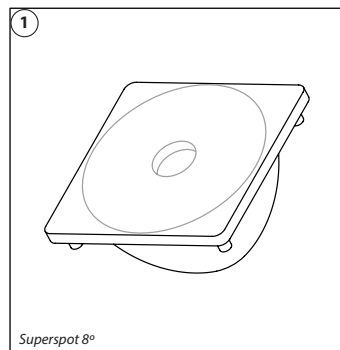
| | |
|---|---|
| Y108112 | CLS Eutrac 3-phase rail + data 1 meter black |
| Y108122 | CLS Eutrac 3-phase rail + data 2 meter black |
| Y108132 | CLS Eutrac 3-phase rail + data 3 meter black |
| Y108142 | CLS Eutrac 3-phase rail + data 4 meter black |
| Y108152 | CLS Eutrac 3-phase rail + data end feed right, black |
| Y108155 | CLS Eutrac 3-phase rail + data end feed left, black |
| Y108158 | CLS Eutrac 3-phase rail + data middle feed black |
| Y108162 | CLS Eutrac 3-phase rail + data end cap black |
| Y108175 | CLS Eutrac 3-phase rail + data L–coupler inner black |
| Y108178 | CLS Eutrac 3-phase rail + data flex coupler black |
| Y108199 | CLS Eutrac 3-phase + data monopoint black |

**Eutrac - white**

| | |
|---|---|
| Y108133 | CLS Eutrac 3-phase rail + data 3 meter white |
| Y108153 | CLS Eutrac 3-phase rail + data end feed right, white |
| Y108163 | CLS Eutrac 3-phase rail + data end cap white |
| | |
| Y106017 | CLS Magnet pin (5 pcs) |



1

*Superspot 8º*



2

*Spot 12º*



3

*Medium Flood 30º*



4

*Flood 60º*



5

*Extra Wide Flood 80º*



6

*Elliptical 12x46º*

# LIST OF SYMBOLS

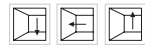**Protection class**
One, two or three

**Application area**
Indoor or outdoor

**Application area**
Floor, wall or ceiling

**Swivel**
Fixture is horizontally rotatable,
indicated in degrees

**Swivel**
Fixture is vertically rotatable,
indicated in degrees

**Multiple connection**
Daisychain connectivity

**Installation depth**
In centimeters

**Installation size**
In centimeters

**Cable length**
Maximum cable attached
to the fixture in centimeters

**Driver**
Inclusive or exclusive
Internal or external

**Weight**
In grams/kilograms

**Pressure**
Maximum pressure on the
fixture in kg/cm$^2$

**Lifespan**
Of the light source in hours

**Lenses**
Availble lenses,
indicated in degrees

**Performance Zoom**
Adjustable beam angle

**LEDs**
Kind of LED used in the
fixture

**Plug & play**
Easy connection using the
SmartConnect system

**IP value**
Ingress Protection classifies the
degrees of protection provided against
the intrusion of the product

**Colour changing**
RGB, RGB-W, RGB-A,
AWB or Tunable White

**Retail & Food LED modules**
Clothing, furniture, kitchens, jewellery,
shoes, bread, meat, fish and
vegetables & fruit.

**Colour**
Available colours;
Amber, blue, red or green

**White colour temperature**
In different Kelvin values;
Cold white, neutral white, warm
white or extra warm white

**Curve**
Minimal bending curve
in centimeters

**Cutting length**
Indicated by the cutting
marks

**LED pitch**
Pitch between the LEDs
in millimeters

**Power supply**
In VDC, VAC or milliAmpere

**Power consumption**
In VA or Watt

**Dimmable**
1-10 Volt, Phase, individual,
DMX dimmable or DALI

**PWM dimming**
Traditional PWM dimming, DMX analog
or DMX Hybrid dim

**Bluetooth controlled**
By Casambi

**Magno dimming**
Accurate dimming from
100 - 1% by using a magnet

**Dynamic Control**
Dynamic Power Control or
Dynamic Temperature Control

**DMX input**
Fixture works on DMX512
protocol or Wireless DMX

**Combined product**
Compose your own fixture

**Warranty**
3 or 5 years warranty on
the product

**Conformité Européenne**
CE marking for free marketability
of industrial goods within the EU

**Energy label**

**Lightsource**
Equipped with a CLS, Bridgelux or a
Xicato LED module