CLS FOCUS HP T DMX

Manual   V1.6 – April 2020

INDEX

SAFETY INFORMATION

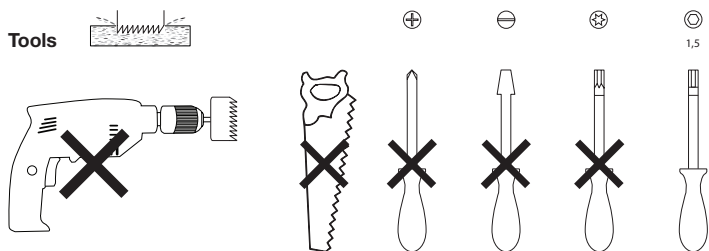|					
		Do not stare into the LED	Ambiance Max. 40°	Qualified technician	Disconnect the power supply before installing or maintaining
Make sure all connectors are connected properly	Use a source of AC power that complies to local electrical codes	Block access below the work area when maintaining the 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

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CLS FOCUS HP T DMX

Wall   Ceiling   350°   135°   DRIVER EXCLUDED   DRIVER EXTERNAL   220 gr   50.000 h   13° - 65°   1 x Cree/ Luxeon   IP20   2700K CRI=95   3000K CRI=95   4000K CRI=95   24 VDC   Max. 6 Watt

DMX dimmable   DMX dimmable   1 - 100%   DMX 512   YEARS WARRANTY 3   CE

135°

36 mm

143 mm <-> 154 mm

Rail

20 mm

28 mm

86 mm

36 mm

Tools

1,5
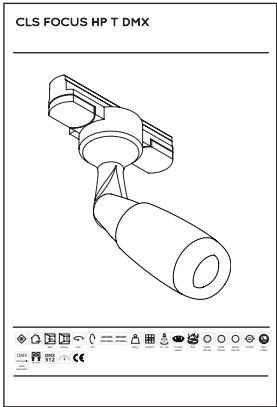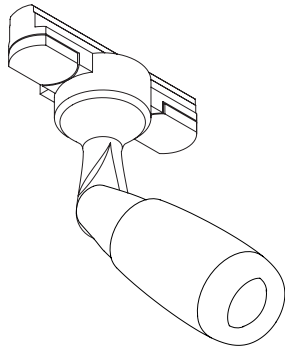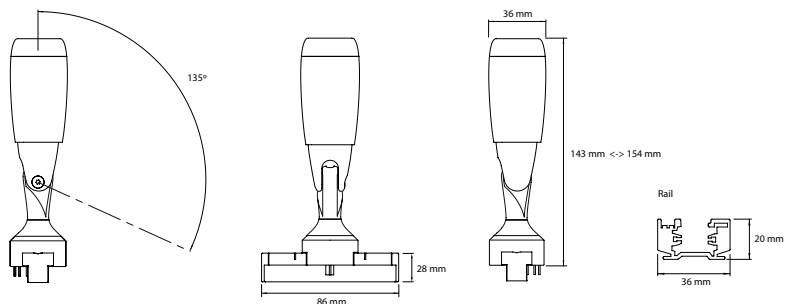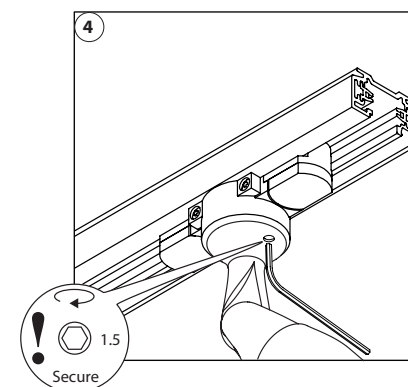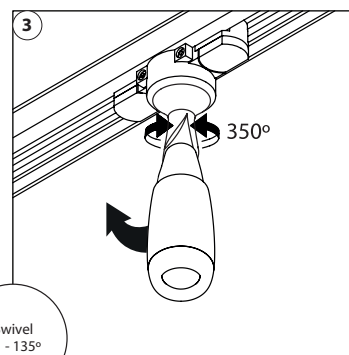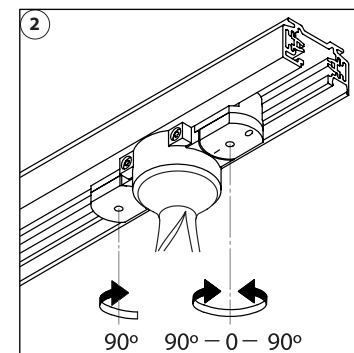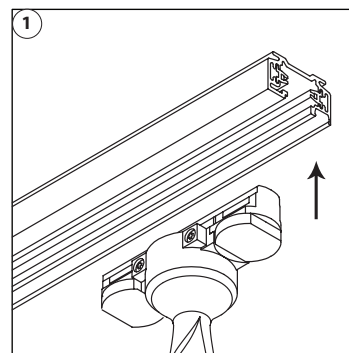
SPECIFICATIONS

LED:	1 x Luxeon / Cree
Available colours:	CRI=95: 2700K, 3000K & 4000K
Beam angle:	13° to 65°
Power supply:	24 VDC
Power consumption:	Max. 6 Watt
Housing:	Black aluminum brushed
Weight:	220 gr
IP value:	IP20
Measurements:	143 x 86 x 36 mm (hxwxd)
Ambient temperature:	-10° C till +40° C

ACCESSORIES

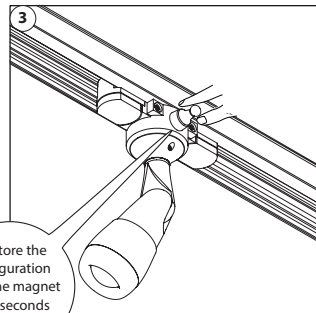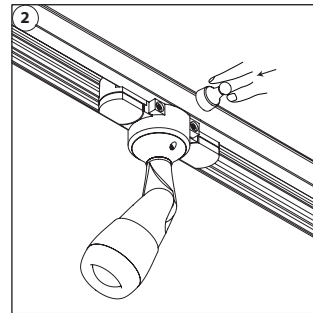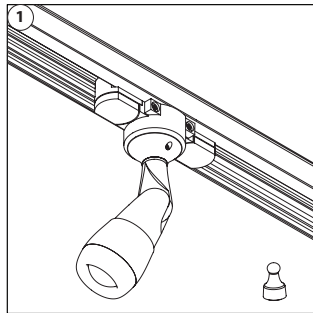|	
Y106012	CLS Focus snoot GII half cut black
Y106013	CLS Focus snoot GII half cut white
Y106014-B	CLS Focus snoot GII black
Y106017	CLS Magnet pin (5 pieces)
Y110802	CLS 1-fase rail + data 1 meter black
Y110812	CLS 1-fase rail + data 2 meter black
Y110822	CLS 1-fase rail + data 3 meter black
Y110822-**	CLS 1-fase rail + data, other colours on request
Y110838	CLS 1-fase rail + data mid-rail feed black
Y110839	CLS 1-fase rail + data mid feed i-coupler black
Y110840	CLS 1-fase rail + data end feed right black
Y110841	CLS 1-fase rail + data end feed left black
Y110842	CLS 1-fase rail + data end cap black
Y110843	CLS 1-fase rail + data I-coupler PE outside black
Y110844	CLS 1-fase rail + data I-coupler PE inside black
Y110845	CLS 1-fase rail + data T-coupler PE inside black
Y110846	CLS 1-fase rail + data T-coupler PE inside left black
Y110847	CLS 1-fase rail + data coupler black
Y110850	CLS 1-fase rail + data X-coupler black
Y110851	CLS 1-fase rail + data Flex-coupler black
Y110854-**	CLS 1-fase rail + data, other colors on request

1

2

90°   90° — 0 — 90°

3

350°

Swivel
0° - 135°

4

! 1.5

Secure

4

Via DMX the Focus Compact can be configured. After setting the DMX to the desired values just hold the magnet on the Focus adapter (between the 2 screws). Hold the magnet for approximately 3 seconds (step 3), when holding the magnet on the Focus it will turn on and when programming has finished the Focus will turn off again. When the light does not turn off after 3 seconds repower and try again.

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

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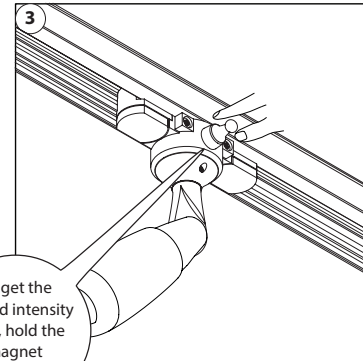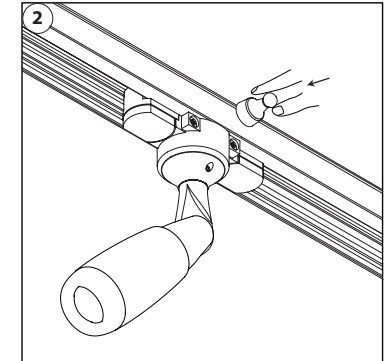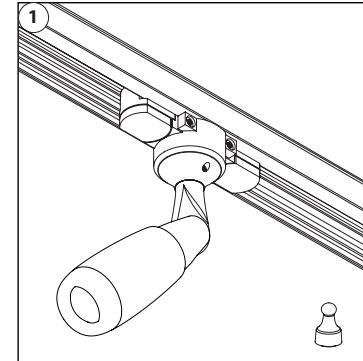1-253 = address is set to 256-508.

Examples:
Address 132 => set data 132 on DMX channel 1.
Address 278 => set data 23 on DMX channel 2.
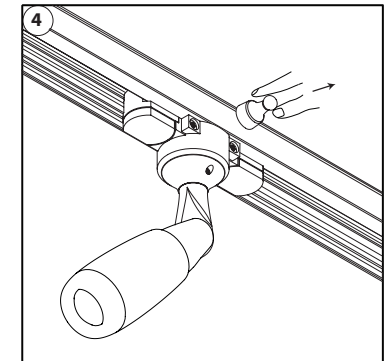
Soft dim option
When active the Focus will have soft dim curve.
To configure the soft dim function, set data on DMX channel 4
0 = no changes are made.
<127 = function turned off.
>127 = function turned on.

Static brightness
When DMX fails / is not present, 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.

1. Place the magnet at the center between the 2 screws.

2. The Focus 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 Focus flashes one time, the value has been stored on the internal memory.

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

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

7. If the Focus 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%.

Twist system
Applied on the black Focus

13°
65°

While twisting counter clockwise, don't twist to far or else the front unit will come of.

When the beam does not get any smaller, you have reached the beam angle of 13°.
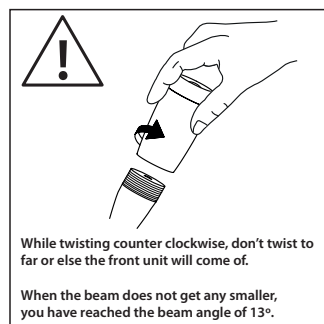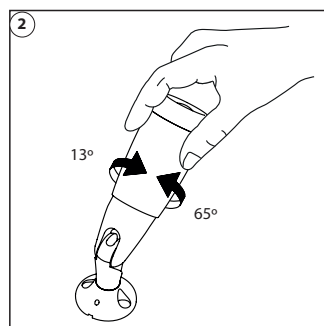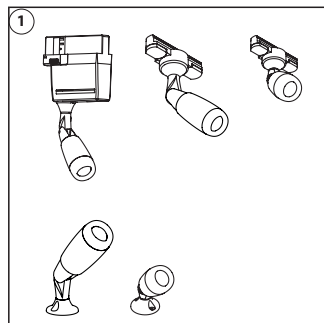
Pull & Push system
Applied on the white Focus

13°
65°

2 x

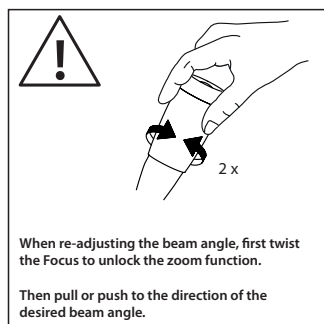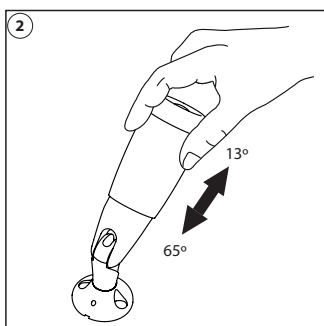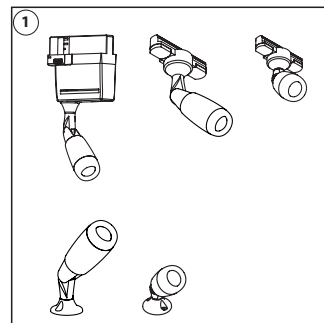When re-adjusting the beam angle, first twist the Focus to unlock the zoom function.

Then pull or push to the direction of the desired beam angle.

Symbols

Protection class
One, two or three

Application area
Indoor or outdoor
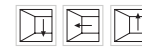
Application area
Floor, wall or ceiling

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
DRIVER INCLUDED / DRIVER EXTERNAL

Weight
In grams/kilograms

Pressure
Maximum pressure on the fixture in kg/cm²

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
PWM DIM / DMX ANALOG DIM / 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
DYNAMIC POWER CONTROL / DYNAMIC TEMPERATURE CONTROL

DMX input
Fixture works on DMX512 protocol or Wireless DMX
DMX 512 / 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, Citizen or a Xicato LED module
CLS DYNAMIC COLOUR COB / LIGHTSOURCE BY CITIZEN / LIGHTSOURCE BY XICATO