



Index	2	Installation Eutrac adapter	5	Lens replacement	8
Safety information	2	Programming	6	Lens index	8
Content	2	Wireless DMX	6	Accessories	9
Technical	3	Bluetooth by Casambi	6	List of symbols	10
Specifications	3	Programming table	7		
Installation Global adapter	4				


SAFETY INFORMATION



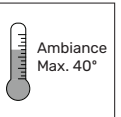
Do not touch the LED surface




Warning! Some surfaces can be hot



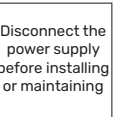
Do not stare into the LED




Ambiance Max. 40°



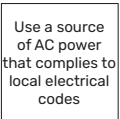
Qualified technician



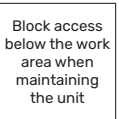
Disconnect the power supply before installing or maintaining




Make sure all connectors are connected properly




Use a source of AC power that complies to local electrical codes



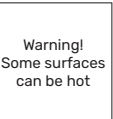
Block access below the work area when maintaining the unit



Don't modify or install genuine parts on this product

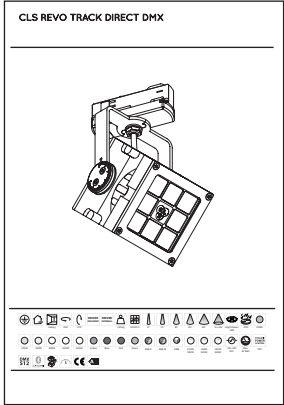
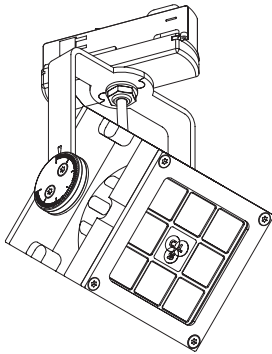



Don't install in a flammable or explosive area




Warning! Some surfaces can be hot

CONTENT







Ceiling




350°




270°




DRIVER INCLUDED




DRIVER INTERNAL




1,80 kg




50,000 h




8°




12°




30°




60°




80°




12 x 46°




High Power LED




IP20




2200K




2700K




3000K




4000K




5000K




6500K




Amber




Blue




Red




Green




RGB-A




RGB-W




AWB




2700K-5000K




1800K-3000K




1800K-4000K




100-240 VAC




Max. 20 Watt




DPC




DMX 512




CASAMBI



3 Year Warranty

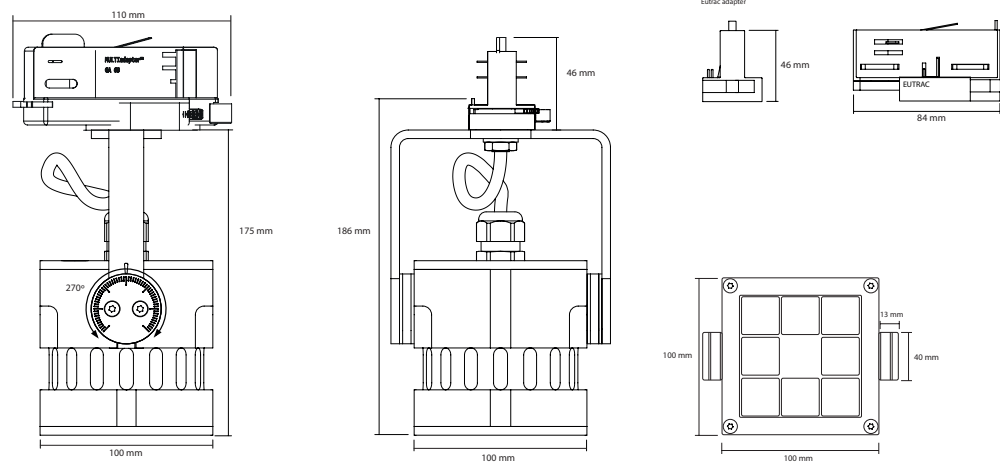


CE

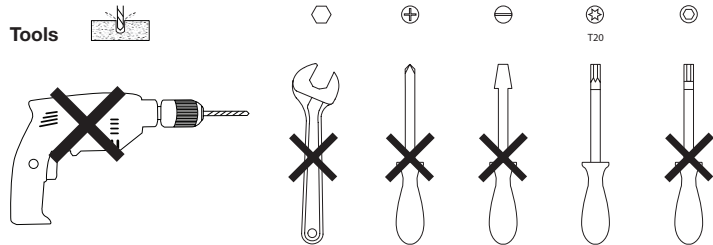


A

TECHNICAL



Tools

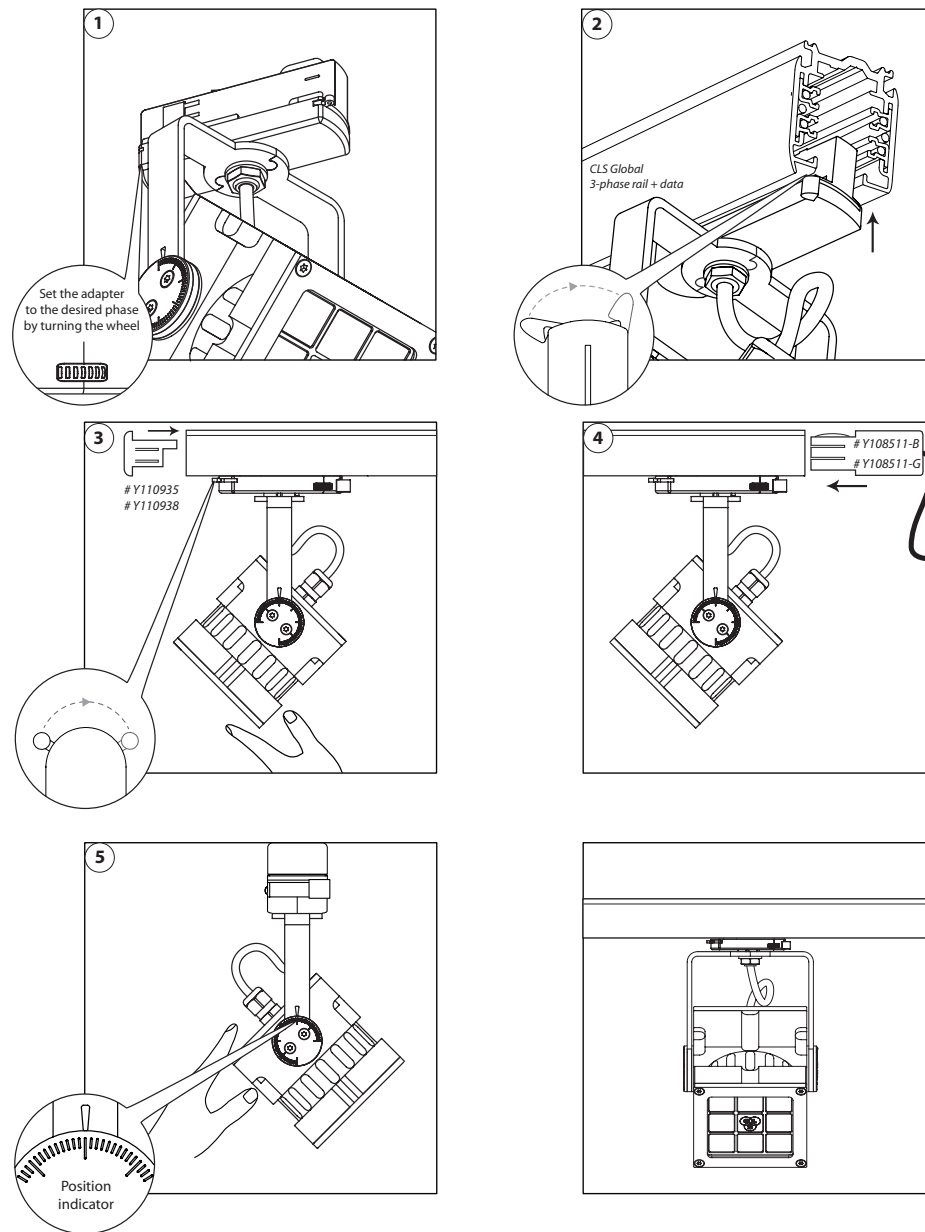


SPECIFICATIONS

LED:	8 x High Power LED
Single colours:	2700K, 3000K, 4000K, 5000K, 6500K, amber, royal blue, green and red
Colour changing:	RGBA, RGBW & AWB
Tunable White:	2700K-5000K, 1800K-3000K & 1800K-4000K
Lenses:	8°, 12°, 30°, 61°, 80° and 12x46°
Power supply:	100 ~ 240 VAC
Power consumption:	Max. 20 Watt
Housing:	Anodised aluminum
Weight:	1,9 kg
IP value:	IP20
Measurements:	175 x 116 x 100 mm (h x w x d)
Ambient temperature:	-30° C till +40° C

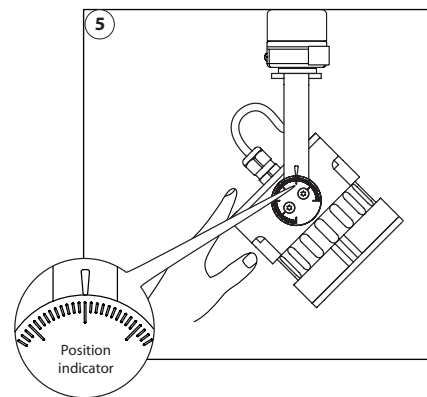
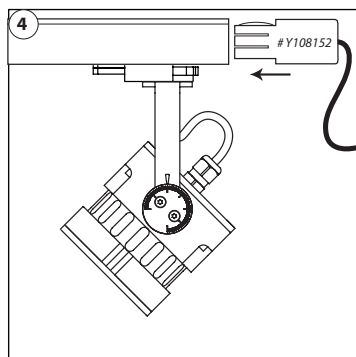
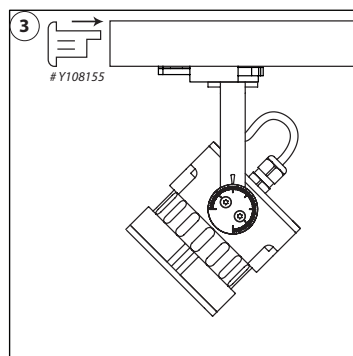
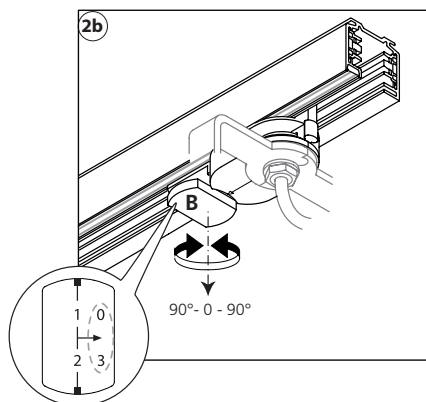
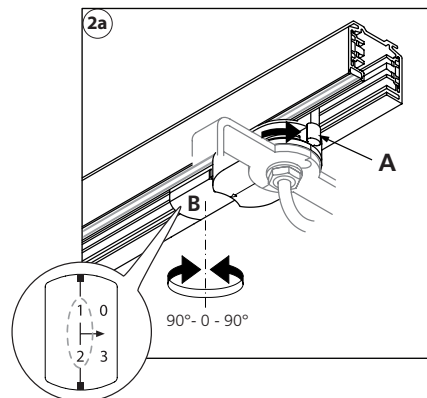
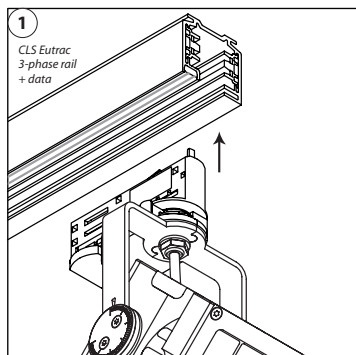
INSTALLATION

With Global adapter



INSTALLATION

With Eutrac adapter

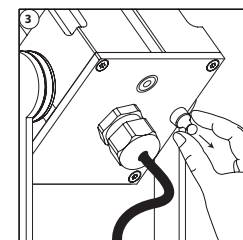
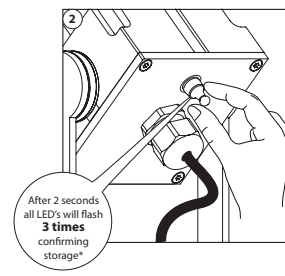
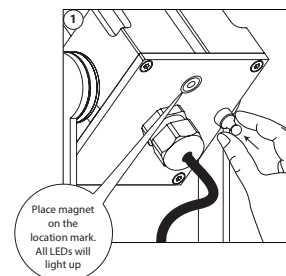


PROGRAMMING

All settings can be configured via DMX. Settings can be configured at once or separately. When one or a couple settings needs to be changed just leave all other setting values zero. This keeps those settings unchanged. Please check the table for more information.

Always use a DMX controller with digital interface. If not available, you can purchase the CLS D-ta DMX addresser unit (#122200).

First make sure to set the DATA on the DMX controller. To program the setting into the LED fixture follow the next steps.



* If all LEDs flash 10 times, something went wrong. Please try again. If the problem continues to occur, please contact your local sales distributor.

WIRELESS DMX

See the Manual of Wireless Solutions. The Manual can be found on our CLS website, in the Downloads section. Or use the link below
<https://www.cls-led.com/wp-content/uploads/cls-files/w-DMX-manual.pdf>

Unlink procedure

When the fixture does not receive a DMX signal (DMX controller off), place the magnet on the bottom of the fixture for 5 seconds. Slow flash indicates that the fixture is unlinked.

BLUETOOTH BY CASAMBI

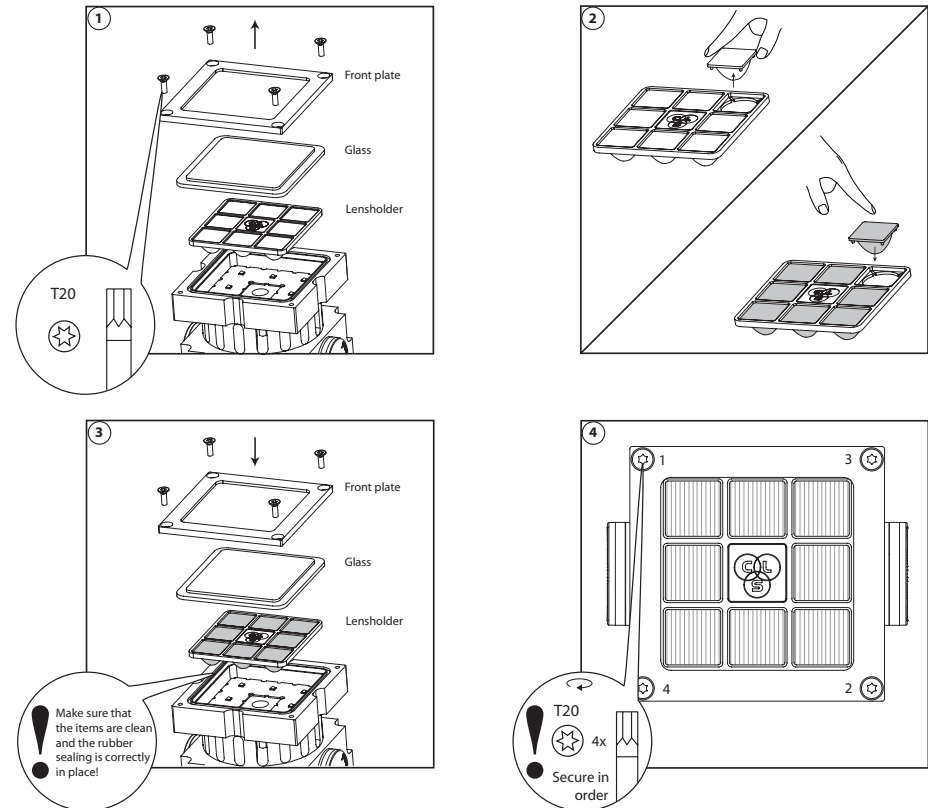
For Casambi controlled fixtures, see the manual of Casambi. The Manual can be found on our CLS website, in the Downloads section. Or use the link below:
https://www.cls-led.com/wp-content/uploads/cls-products/CLS_CASAMBI/MANUAL/Manual_Casambi_controlsistem_EN.pdf

PROGRAMMING TABLE

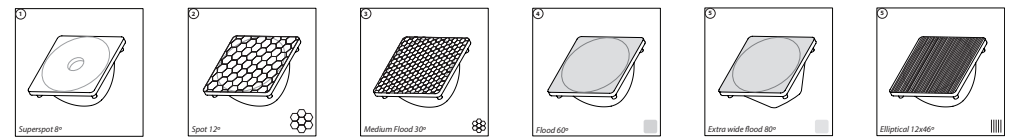
PROGRAMMING TABLE				
DMX	Function	Data	Parameters	Description
CH1	Set address 001 to 255	0	0 = no change *	Use this DMX channel to set address from 001 to 255. The configured DMX address is called "n"
		1...255	DMX address = 1...255	
CH2	Set address 256 to 508	0	no change	Use this DMX channel to set address from 256 to 508. The configured DMX address is called "n"
		1...255	DMX address = 256...508	
CH3	Static behavior	0	no change	If no DMX is present the fixture will respond like set in this function.
		1	last DMX value *	
		2	output off	
		3	load static values	
CH4	Soft dim	0	no change	When dynamic softdim is activated an extra DMX channel behind the colours and/or Master controls the soft dim reaction. If fixed no extra DMX channel is used.
		1	off *	
		2	dynamic	
		3-250	fixed interpolation delay	
CH5	Master control	0	no change	If master is first channel is selected the channel will be DMX channel "n". If master is last channel is selected the channel will be "n+x" (*"x" is calculated in the output patch).
		1	no master used *	
		2	master is first channel	
		3	master is last channel	
CH6	Output 1 patch	0	no change	Each output channel can be patched to respond to the desired DMX channel. This enables the user to mix up the colours according to the controller that is used.
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH7	Output 2 patch	0	no change	Example: all outputs are patched as 1 All outputs will be controlled by DMX channel "n". If master is used total DMX channels will be 2 otherwise it uses 1 channel (*"x" = 1).
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH8	Output 3 patch	0	no change	Example: output 1&2 are patched as 1 and 3&4 are patched as 2 Output 1&2 will be controlled by DMX channel "n". Output 3&4 will be controlled by DMX channel "n+1". If master is used total DMX channels will be 3 otherwise it uses 2 channels (*"x" = 2).
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH9	Output 4 patch	0	no change	
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH10	Static output 1	0	no change	Each output channel can be set to a static intensity.
		1	output off	
		2...255	intensity 2...255 *(255)	
CH11	Static output 2	0	no change	If no DMX is present and Static behavior is set to "load static values". The outputs will be set to the configured intensity values.
		1	output off	
		2...255	intensity 2...255 *(255)	
CH12	Static output 3	0	no change	
		1	output off	
		2...255	intensity 2...255 *(255)	
CH13	Static output 4	0	no change	
		1	output off	
		2...255	intensity 2...255 *(255)	
CH14	Load default settings	0	no change	This function resets all settings to the Factory setting.
		1	load Factory settings	
CH15	Input Resolution setting	0	no change	In 16 bit mode 2 channels are used per colour. First channel is rough channel, second channel fine. 16 bit mode is only available in DRIVE mode 2.
		1	8 bit *	
		2	16 bit	
CH16	Drive mode setting	0	no change	You can set the frequency of the PWM for best compatibility with Camera Systems. However, the highest resolution of the dimming curve will be at the lowest frequency. Option 1 can be used to be compatible with older installation and new fixtures.
		1	compatible with version < 2020	
		2	PWM frequency 0.7kHz *	
		3	PWM frequency 1.4kHz	
		4	PWM frequency 2.8kHz	
		5	PWM frequency 5.6kHz	

* Default setting

LENS REPLACEMENT



LENS INDEX



ACCESSORIES

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
122200	CLS D-Ta DMX tester/addresser unit
Y106017	CLS Magnet pin (5 pcs)

2022 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this manual. No part of this manual may be reproduced, in any form or by any means, without permission in writing from CLS-LED BV. Other legal information can be found in our General conditions, found on the back of your CLS-LED BV invoice, inside the CLS catalogue or on our website www.cls-led.com/General-Terms.pdf

LIST OF SYMBOLS

	Protection class One, two or three		Retail & Food LED modules Clothing, furniture, kitchens, jewellery, shoes, bread, meat, fish and vegetables & fruit.
	Application area Indoor or outdoor		Colour Available colours: Amber, blue, red or green
	Application area Floor, wall or ceiling		White colour temperature In different Kelvin values: Cold white, neutral white, warm white or extra warm white
	Swivel Fixture is horizontally rotatable, indicated in degrees		Curve Minimal bending curve in centimeters
	Swivel Fixture is vertically rotatable, indicated in degrees		Cutting length Indicated by the cutting marks
	Multiple connection Daisychain connectivity		LED pitch Pitch between the LEDs in millimeters
	Installation depth In centimeters		Power supply In VDC, VAC or milliAmpere
	Installation size In centimeters		Power consumption In VA or Watt
	Cable length Maximum cable attached to the fixture in centimeters		Dimmable 1-10 Volt, Phase, individual, DMX dimmable or DALI
	Driver Inclusive or exclusive Internal or external		PWM dimming Traditional PWM dimming, DMX analog or DMX Hybrid dim
	Weight In grams/kilograms		Bluetooth controlled By Casambi
	Pressure Maximum pressure on the fixture in kg/cm²		Magne dimming Accurate dimming from 100 - 1% by using a magnet
	Lifespan Of the light source in hours		Dynamic Control Dynamic Power Control or Dynamic Temperature Control
	Lenses Available lenses, indicated in degrees		DMX input Fixture works on DMX512 protocol or Wireless DMX
	Performance Zoom Adjustable beam angle		Combined product Compose your own fixture
	LEDs Kind of LED used in the fixture		Warranty 3 or 5 years warranty on the product
	Plug & play Easy connection using the SmartConnect system		Conformité Européenne CE marking for free marketability of industrial goods within the EU
	IP value Ingress Protection classifies the degrees of protection provided against the intrusion of the product		Energy label
	Colour changing RGB, RGB-W, RGB-A, AWB or Tunable White		Lightsource Equipped with a CLS, Bridgelux or a Xicato LED module