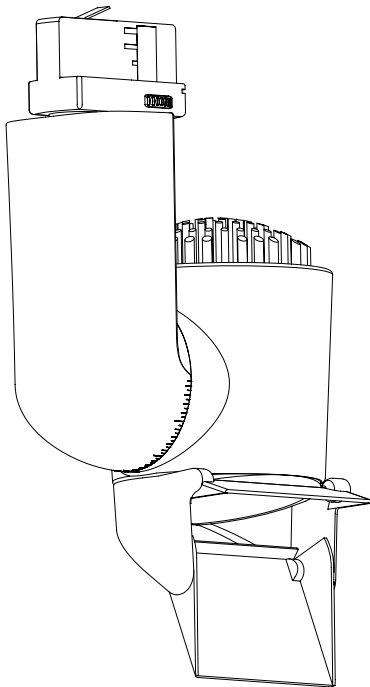
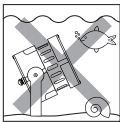




Index	2	Installation Bolt or Ceiling	5	Bluetooth by Casambi	7
Safety information	2	Lock Position	5	Programming table	8
Content	2	Calculation Wallwash effect	6	Accessories	9
Technical	3	Shade adjustment	6	List of symbols	10
Specifications	3	Programming	7		
Installation Global	4	Wireless DMX	7		



SAFETY INFORMATION



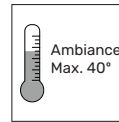
Do not stare into the LED



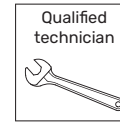
Do not use near fire



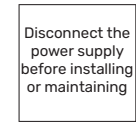
Do not stare into the LED



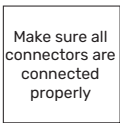
Ambiance
Max. 40°



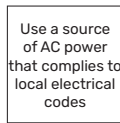
Qualified technician



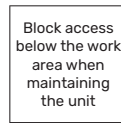
Disconnect the power supply before installing or maintaining



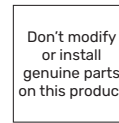
Make sure all connectors are connected properly



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



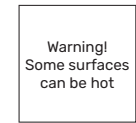
Block access below the work area when maintaining the unit



Don't modify or install genuine parts on this product

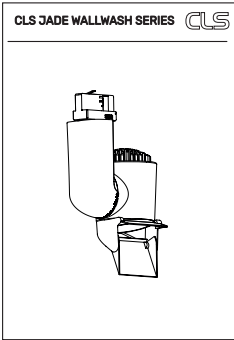
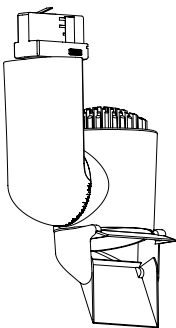


Don't install in a flammable or explosive area



Warning!
Some surfaces can be hot

CONTENT





Ceiling



340°



350°



B: 200 cm



DRIVER INCLUDED



DRIVER INTERNAL



960 gr



50.000 h



IP20



2700K



3000K



3500K



4000K



1800K - 4000K



2700K - 6500K



200 - 240 VAC



30 Watt Max.



Mains dimmable



CAS//MBI
Bluetooth by Casambi



CAS//MBI
Local Dim



DMX dimmable



DMX



DALI



5 YEAR WARRANTY



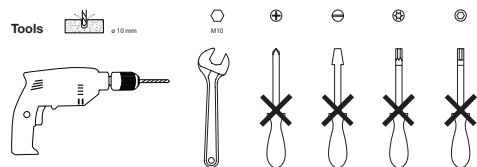
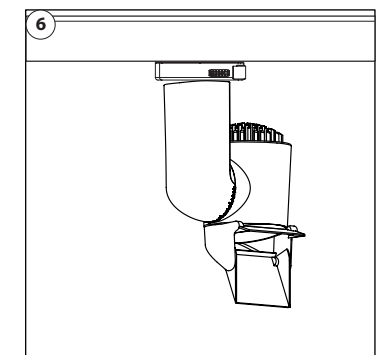
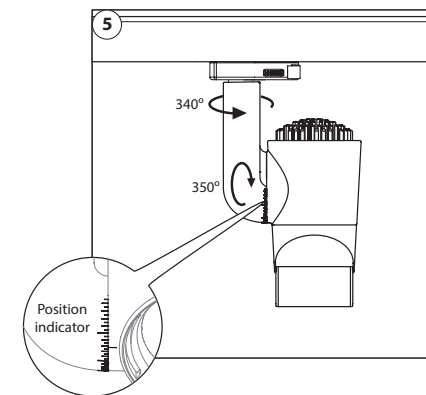
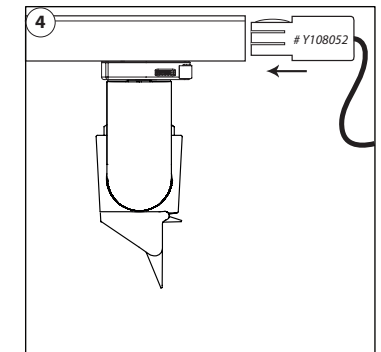
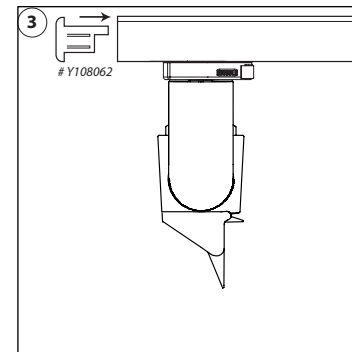
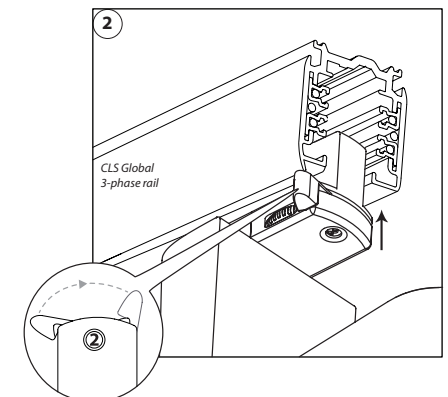
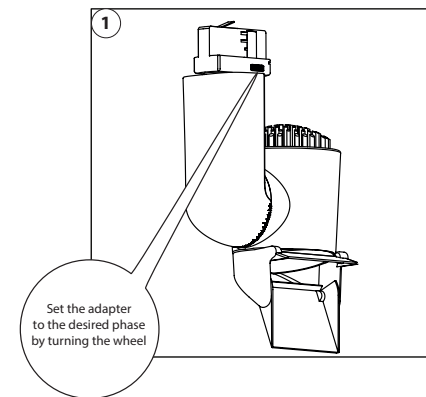
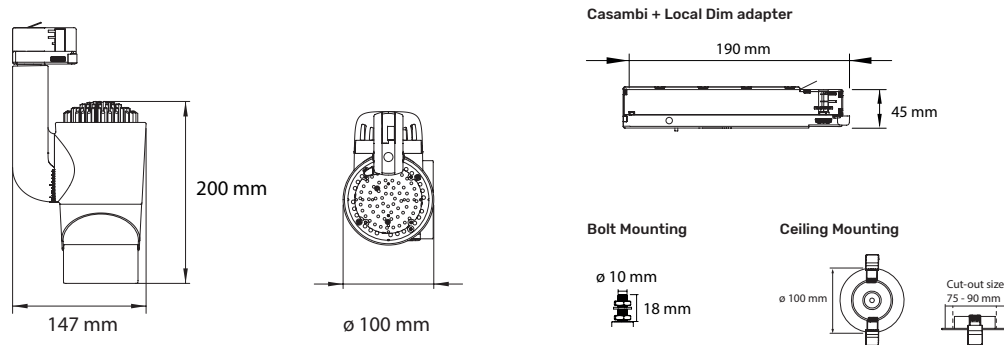
CE



A+



bridgelux

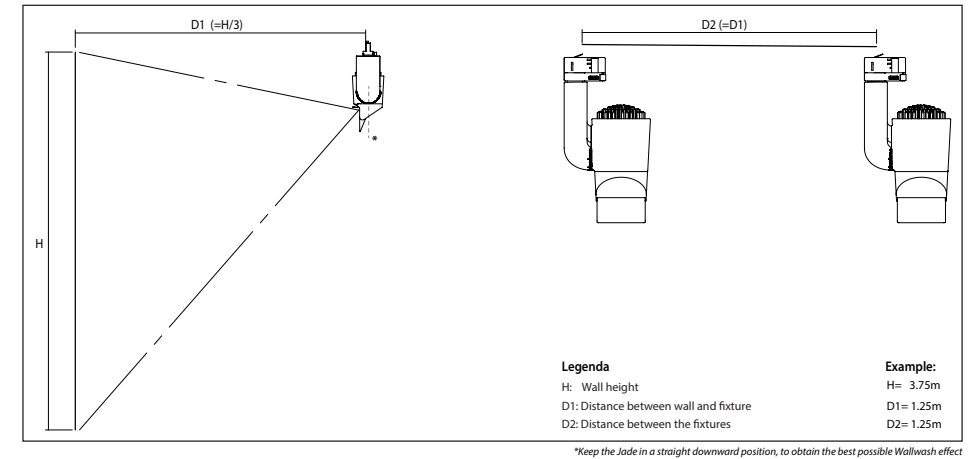
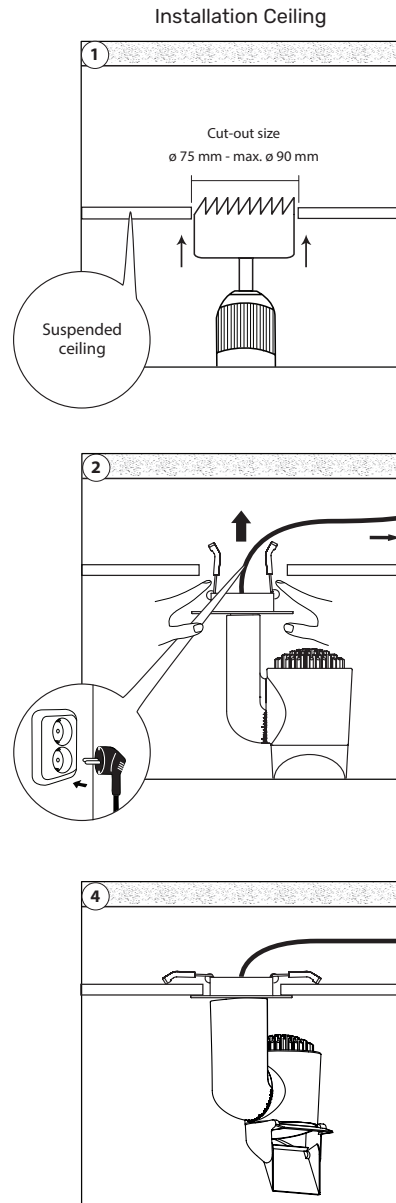
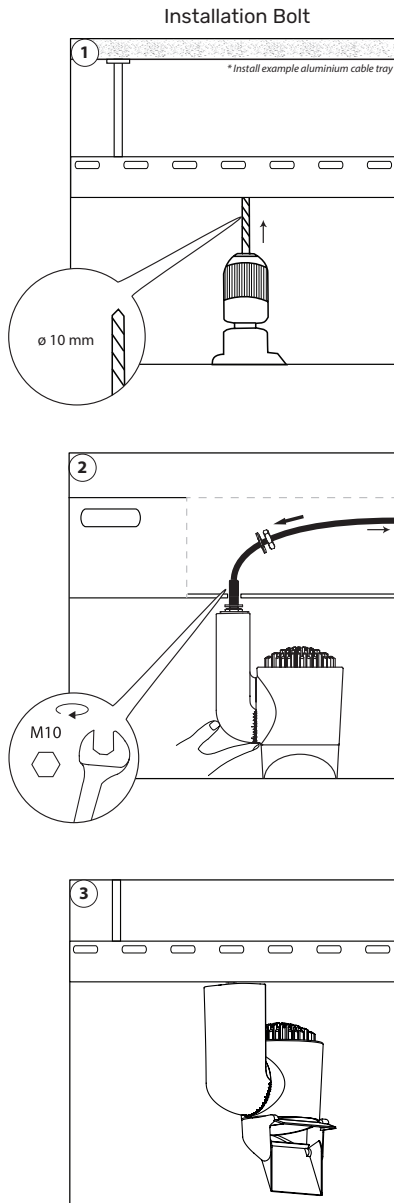


SPECIFICATIONS

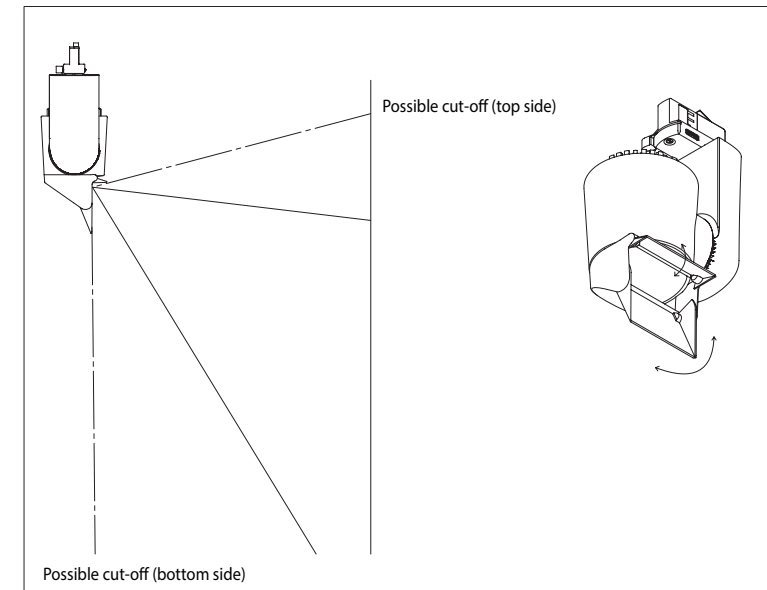
LED:	Bridgelux	Housing:	Coated aluminium, PC-ABS & 3D print ABS
Available colours:	2700K, 3000K, 3500K & 4000K	Weight:	960 gr
Tunable White:	1800K-4000K & 2700K-6500K	IP value:	IP20
Optics:	Asymmetrical wallwash beam	Measurements:	See drawing
Power supply:	100 ~ 240 VAC	Ambient temperature:	-10° C till +40° C
Power consumption:	Max. 30 Watt		

INSTALLATION BOLT & CEILING

CALCULATION WALLWASH EFFECT



SHADE ADJUSTMENT

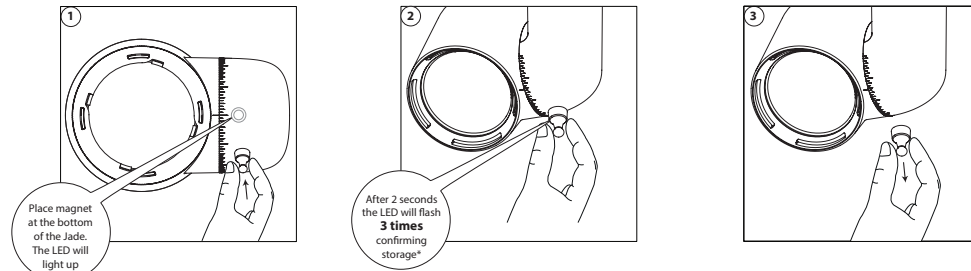


PROGRAMMING

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 the LEDs flashes 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	
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	
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	
CH9	Output 4 patch	0	no change	
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
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)	
		0	no change	
CH11	Static output 2	1	output off	If no DMX is present and Static behavior is set to "load static values". The outputs will be set to the configured intensity values.
		2...255	intensity 2...255 *(255)	
		0	no change	
		1	output off	
CH12	Static output 3	0	no change	
		1	output off	
		2...255	intensity 2...255 *(255)	
		0	no change	
CH13	Static output 4	0	no change	
		1	output off	
		2...255	intensity 2...255 *(255)	
		0	no change	
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	

* Default setting

ACCESSORIES

ACCESSORIES

Y110855 CLS 3-phase multi adapter grey XTSA 68
Y110865 CLS 3-phase multi adapter white XTSA 68
Y110875 CLS 3-phase multi adapter black XTSA 68
Y110880 CLS T-connector grey for 3-phaserail, ground left
Y110881 CLS T-connector black for 3-phaserail, ground left
Y110882 CLS T-connector white for 3-phaserail, ground left

Y110925 CLS Global 3-phase rail 1mtr aluminum XTS 4100
Y110926 CLS Global 3-phase rail 2 metre aluminum XTS 4200
Y110927 CLS Global 3-phase rail 2mtr black XTS 4200
Y110928 CLS Global 3-phase rail 3mtr aluminum XTS 4300
Y110929 CLS Global 3-phase rail 4mtr aluminum XTS 4100
Y110930 CLS Global 3-phase rail 3mtr white XTS 4300
Y110931 CLS Global 3-phase rail 3mtr black XTS 4300
Y110932 CLS Global 3-phase rail 4mtr black XTS 4400

Y110935 CLS end piece for 3-phase rail grey XTS 41
Y110938 CLS end piece for 3-phase rail black XTS 41
Y110939 CLS end piece for 3-phase rail white XTS 41-3
Y110945 CLS connection box for 3-phase rail, grey XTS 11
Y110946 CLS connection box for 3-phase rail, grey XTS 12
Y110950 CLS connection box for 3-phase rail black XTS 11
Y110954 CLS L-connector grey for 3-faseraal, ground left

Y110954 CLS L-connector grey for 3-faseraal, ground left
Y110955 CLS L-connector grey for 3-faseraal, ground right
Y110960 CLS connect piece gray (connect rail-rail) XTS
Y110961 CLS connect piece white (connect rail-rail) XTS21
Y110962 CLS connect piece black (connect rail-rail) XTS
Y110965 CLS hanging bracke for 3-phase rail, grey SKB16
Y110966 CLS hanging set, grey SKB12 with 1.5 mtr steel
Y110970 CLS bending tool XTSV 12
Y110980 CLS round mountingdisk GA70 grey
Y110985 CLS round mountingdisk GA70 white
Y110990 CLS round mountingdisk GA70 black

2025 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, Casambi & Local Dim
	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