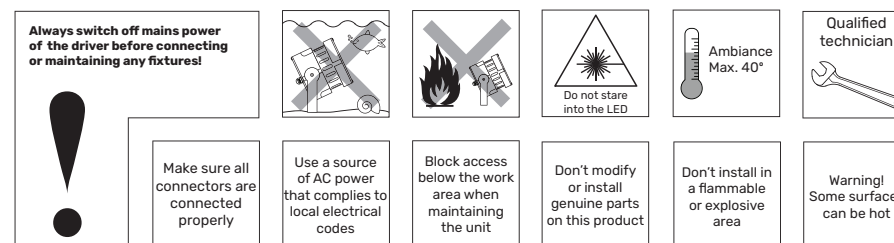
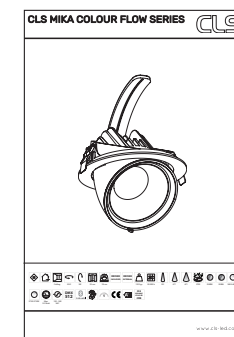
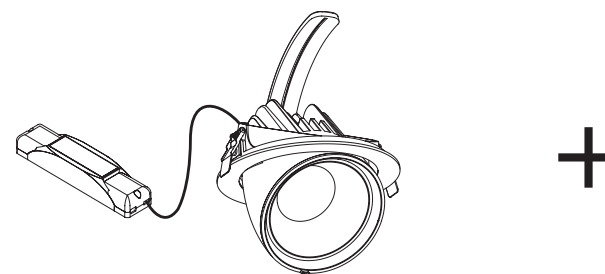
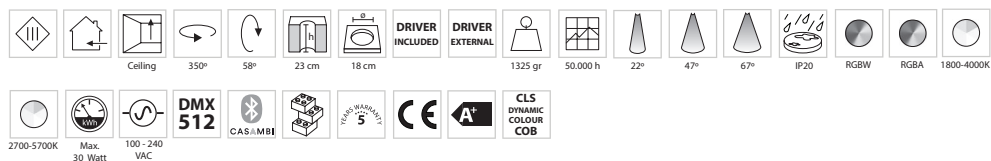


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## SAFETY INFORMATION

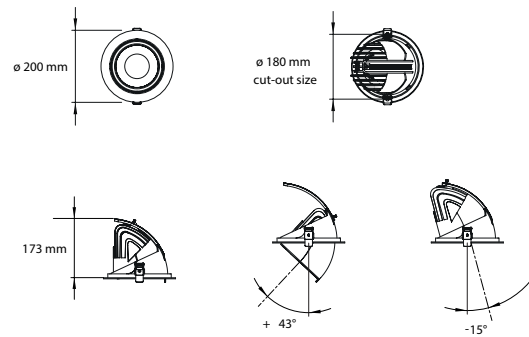


## CONTENT

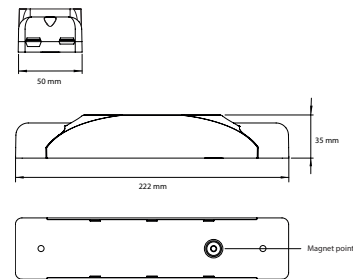


# TECHNICAL

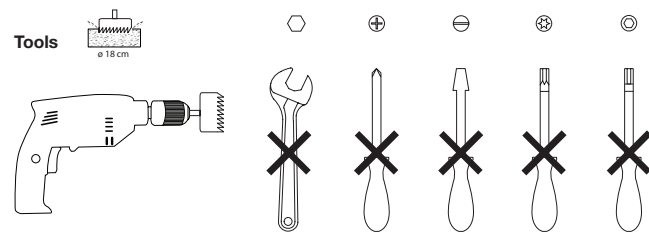
## Mika series



## LDC-407 DMX LED driver



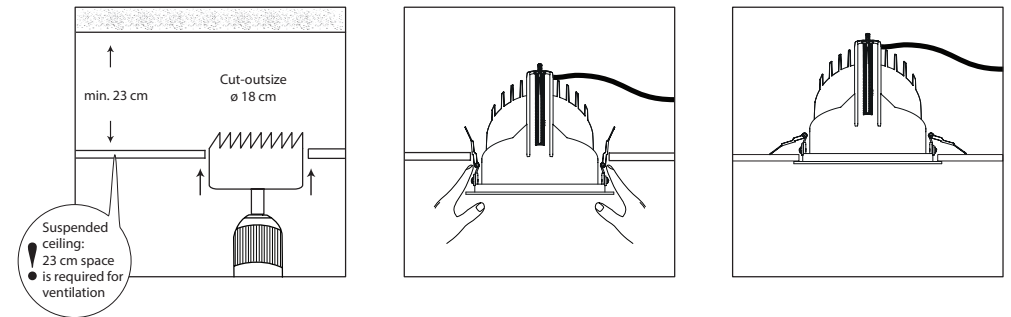
## Tools



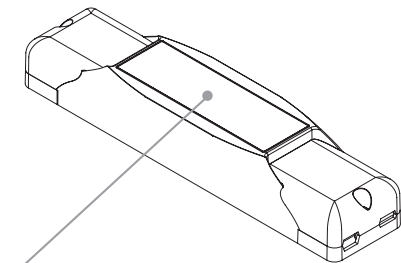
## SPECIFICATIONS

LED:	Dynamic Colour Chip
Available colours:	RGBW & RGBA
Tunable White:	1800K-4000K & 2700-5700K
Beam angle:	22°, 47° or 67°
Power supply:	100-240 VAC
Power consumption:	Max. 30 Watt
Housing:	Black, or white coated aluminium, Black PC (PC-ABS V0)
Weight:	1325 gram
IP value:	IP20
Measurements:	173 x 200 mm (h x ø)
Ambient temperature:	-10° C till +40° C

# INSTALLATION



## WIRING OF THE LDC-407 DRIVER



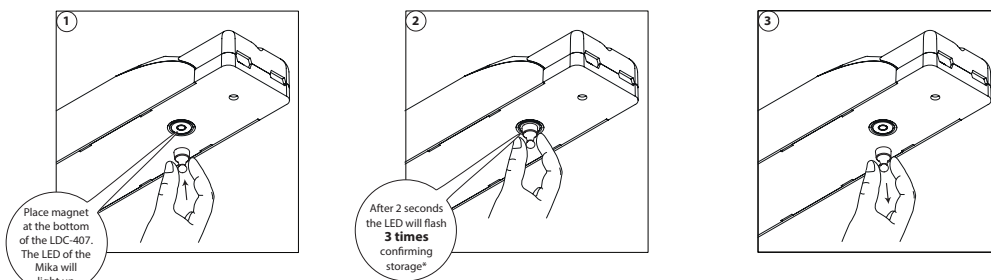
<input type="checkbox"/> N <input type="checkbox"/> L <input type="checkbox"/> EARTH <input type="checkbox"/> DMX + <input type="checkbox"/> DMX - <input type="checkbox"/> DMX - <input type="checkbox"/> Shield <input type="checkbox"/> Shield	<b>CLS LDC-407</b> art: 113005 Designed and made in The Netherlands INPUT 100-240 VAC 50/60Hz DMX 512 CE www.cls-led.com	<b>STATUS LED FUNCTION</b> ① Driver active ② Receiving DMX ③ Output active Continuous when magnet is applied	<b>OUTPUT</b> 700mA Vf max. 48V Vf load 2...42V 9mm 0,5-1,5 mm² POWER LED STATUS LED Ch4 Ch3 Ch2 Ch1 Com Magno location on bottom side
--	--	--	--

# 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.

## 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](https://www.cls-led.com/wp-content/uploads/cls-products/CLS_CASAMBI/MANUAL/Manual_Casambi_controlsistem_EN.pdf)

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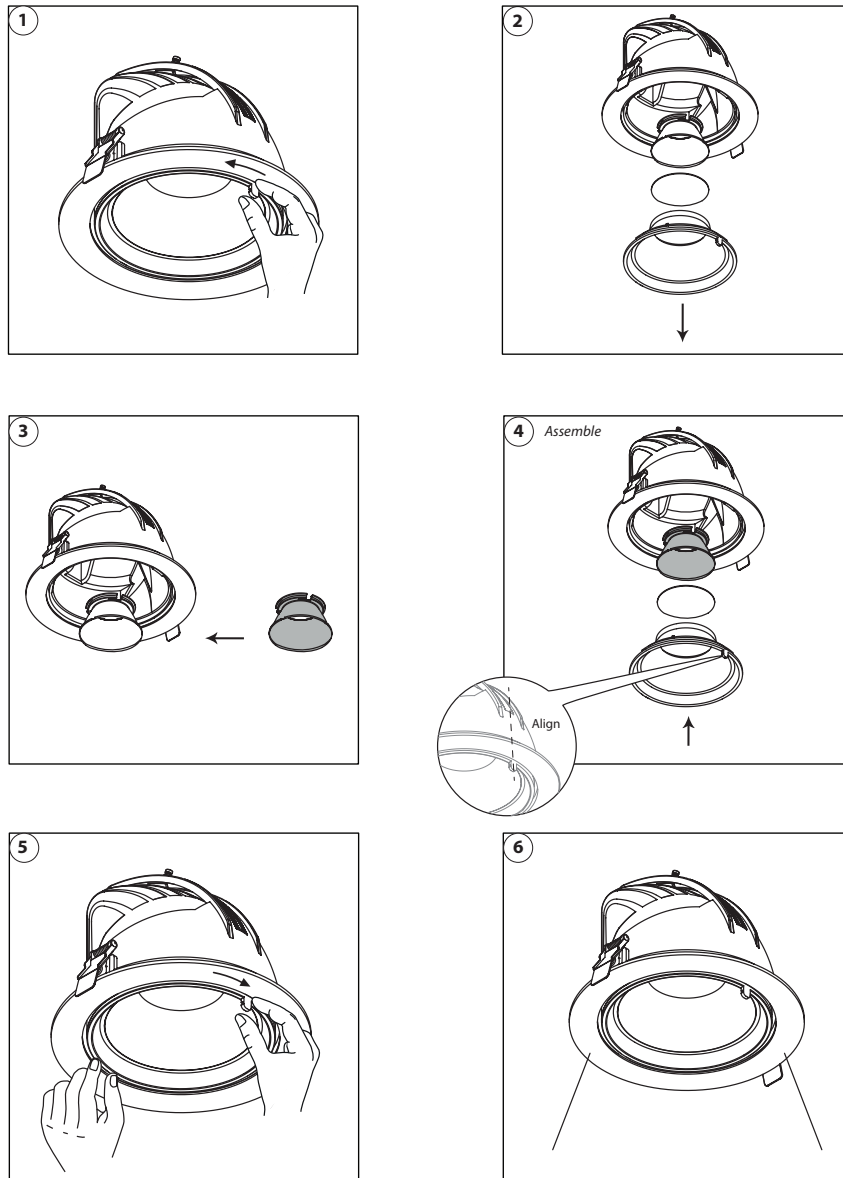
# PROGRAMMING TABLE

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 1 to 255. ( 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. (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	<b>Example: all outputs are patched as 1</b> 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	<b>Example: output 1&amp;2 are patched as 1 and 3&amp;4 are patched as 2</b> 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	
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	
CH12	Static output 3	0	no change	
		1	output off	
		2...255	intensity 2...255	
CH13	Static output 4	0	no change	
		1	output off	
		2...255	intensity 2...255	
CH14	Load default settings	0	no change	This function resets all settings to the Factory setting.
		1	Load Factory settings.	

	Number of DMX channels needed			
LED colour	1	2	3	4
Single colour	✓			
Tunable White		✓		
ColourFlow				✓

# REFLECTOR REPLACEMENT

# LIST OF SYMBOLS



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