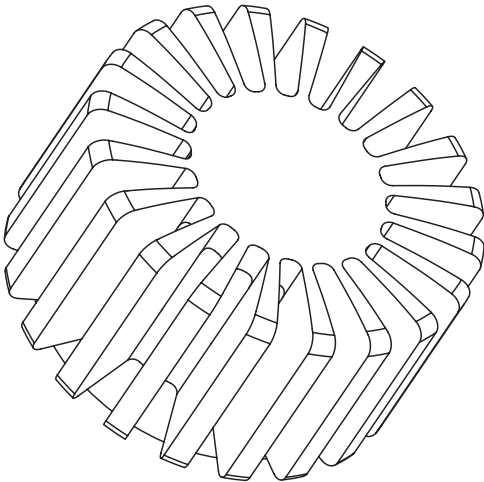
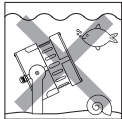



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SAFETY INFORMATION



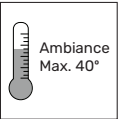
Do not touch the LED surface




Do not use open flame



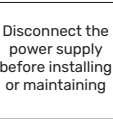
Do not stare into the LED




Ambiance
Max. 40°



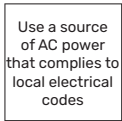
Qualified technician




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

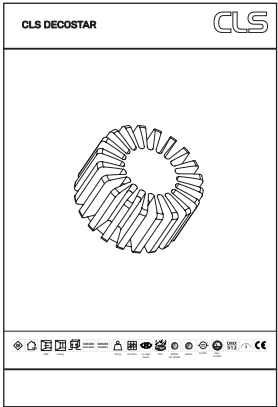
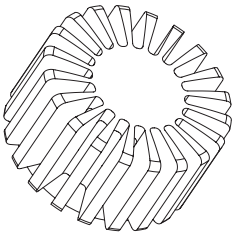










































Don't install in a flammable or explosive area



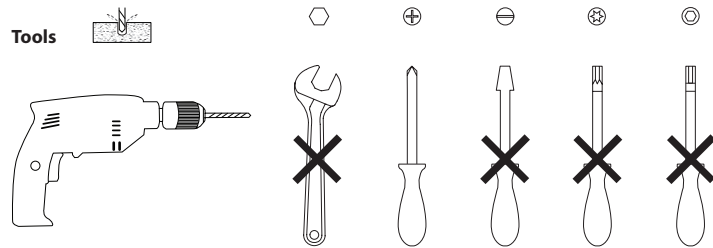
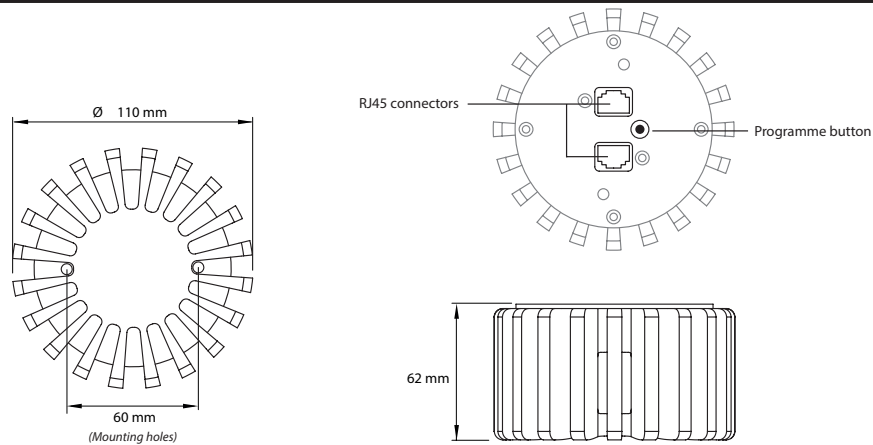
Warning!
Some surfaces can be hot

CONTENT





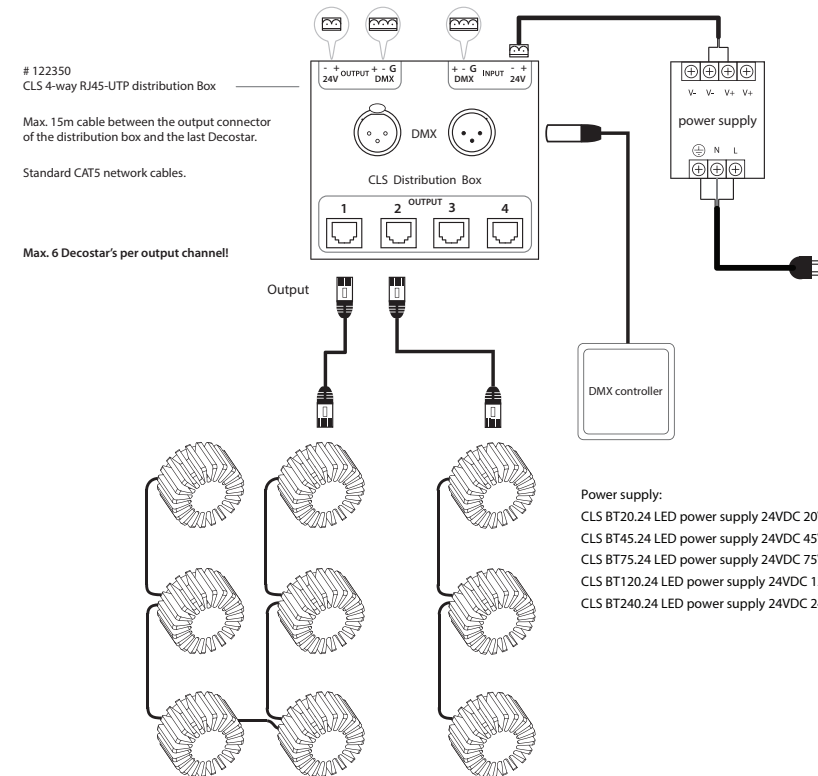
TECHNICAL



SPECIFICATIONS

LEDs:	4 x High Power LED
Colour changing:	RGBW (W:4000K) or RGBA
Input voltage:	24 VDC
Power consumption:	Max. 10 Watt
Housing:	Massive CNC aluminum
IP value:	IP20
Measurements:	110 x 62 mm (exh)
Weight:	530 gr
Input connector:	RJ45
Output connector:	RJ45
Control signal:	DMX512
Operating ambient temperature:	-10 °C till +40 °C

WIRING DIAGRAM



ADDRESSING

DMX Channel (N = address of the Decostar)

N	Function
N	RED (0-100%)
N+1	GREEN (0-100%)
N+2	BLUE (0-100%)
N+3	WHITE (0-100%)
N+4	BRIGHTNESS (0-100%)

The CLS Decostar is very easy to address. All you need is a DMX controller.

ATTENTION! THE DMX CONTROLLER MUST BE ABLE TO TELL YOU WHAT DATA IS TRANSMITTED.

The address of the Decostar has a range of 1 - 507. The address is determined by the first two channels of the DMX. The value of the DMX channel will be the address of the Decostar. With DMX channel 1 an address from 1 to 255 can be programmed. If an address beyond 255 is required then use DMX channel 2 [1-252], the address will be 255 plus the value of DMX channel 2. To program the address into the Decostar simply push the button on the bottom of the Decostar for one second. When the button is pushed, the light of the Decostar will turn RED, hold the button until the light turns GREEN. This will indicate that the Decostar has stored the address. The addressing can be done in a completed installation at any time. Be aware that the Decostar must be powered and connected to a DMX control device!

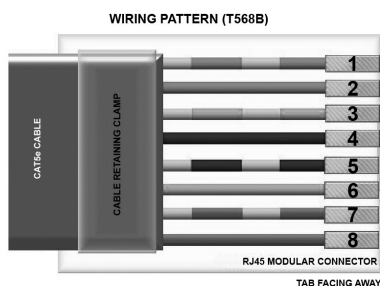
Examples:

DMX CH1 [value 123]=	Address of the Decostar will be 123.
DMX CH1 [value 255]=	Address of the Decostar will be 255.
DMX CH2 [value 23]=	Address of the Decostar will be 255 + 23 = 278.
DMX CH2 [value 252]=	Address of the Decostar will be 255 + 252 = 507.

Warm white option

The Decostar comes with another unique feature. When the "Warm white option" is enabled the Decostar will become warm white when powered and no DMX is present. When DMX is connected, the Decostar will be controlled via DMX. This way when the Decostar is powered and the DMX controller is off, there will be warm white light. This option can be enabled the same way the address is programmed. The address of the Decostar will not be changed! To enable the warm white option follow the next steps:

- Set a value between 128 and 255 on DMX channel 3.
- Push and hold the button until it becomes green.



PIN	COLOUR	FUNCTION
1	Orange/white	- (PWR)
2	Orange	+ (PWR) Check manual for voltage
3	Green/White	- (PWR)
4	Blue	Data - (DMX)
5	Blue/White	Data + (DMX)
6	Green	- (PWR)
7	Brown/White	+ (PWR) Check manual for voltage
8	Brown	- (PWR)

ACCESSORIES

Accessories

122350	CLS LON way RJ45-UTP distribution box for max. 24 LON
706667	CLS CAT5 network cable with 2 x RJ45 connectors grey 2mtr
706668	CLS CAT5 network cable with 2 x RJ45 connectors grey 5mtr
706669	CLS CAT5 network cable with 2 x RJ45 connectors grey 10mtr
706672	CLS CAT5 network cable with 2 x RJ45 connectors grey 20mtr
706995	CLS BT20.24 LED power supply 24VDC 20VA 85-264VAC, max 2 LON GILs
707011	CLS BT45.24 LED power supply 24VDC 45VA 85-264VAC, max 4 LON GILs
707012	CLS BT75.24 LED power supply 24VDC 75VA 85-264VAC, max 6 LON GILs
707013	CLS BT120.24 LED power supply 24VDC 120VA 85-264VAC, max 12 LON GILs
707014	CLS BT240.24 LED power supply 24VDC 240VA 85-264VAC, max 24 LON GILs

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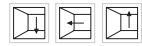
LIST OF SYMBOLS



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/cm²



Lifespan
Of the light source in hours



Lenses
Available 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



Magne 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