Article #: 141201

Art #: 871609

Art #: 141006

Art #: 141170

Art #: 707037

BT Power supply

Wall   Ceiling   2 x 100 cm   DRIVER EXCLUDED   DRIVER EXTERNAL   80 gr/m   10.000 h   360 x SMD   IP44   RGBW   2 cm   16,5 cm   2 x 2,8 cm   24 VDC   Max. 15 W/m

Thank you for selecting the Covelight Superior RGBW. CLS offers the ultimate cove lighting product for coloured lighting. Not only for cove lighting is our Covelight Superior RGBW the first choice. Also in all sorts of furniture applications the cove light will be a perfect solution.

PACKAGE
The Covelight Superior RGBW is available in 5 metres. The 5 metres has 360 SMD LEDs on a roll.

OPERATION
Make sure to connect the product only to suited power supplies and connect it as described in the manual. When using an optional dimmer, follow the instructions as supplied with the dimmer. Do not use any dimmer other than suited for this product.
Make sure there is no force or any kind of pressure on the product. This can cause failure of the product. Use the optional mounting accessories for the correct mounting of the product.

NOTE: It is important to read this manual before you install this product.

SAFETY INFORMATION
Warning! This product is for professional use only, not for domestic use.
Read this manual before powering up or installing this product. Follow the instructions listed below and observe all warnings in this manual.

Protection from electric shock
• Disconnect the power supply from AC power before installing, dismounting or maintaining the unit.
• Make sure all connectors are connected properly.
• Use only a source of AC power that complies with local building and electrical codes.
• Do not expose the unit to rain or moisture.
• Refer all service to a qualified technician.

Protection from burns and fire
• Provide a clearance of at least 50 mm around the unit.
• Do not install this product near a heat source.
• Do not install this product in a corrosive, flammable or explosive area.
• Do not modify this product, or install other than genuine parts.
• Do not operate this product if the ambient temperature exceeds 40 °C.
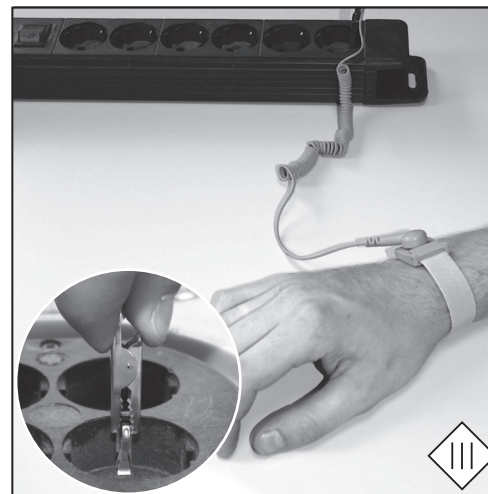• Do not stare into the LED, this can cause damage to the eyes.

Protection from injury due to falls
• Verify that all covers and mounting hardware are securely fastened.
• Block the access below the work area whenever installing or removing the unit.

1
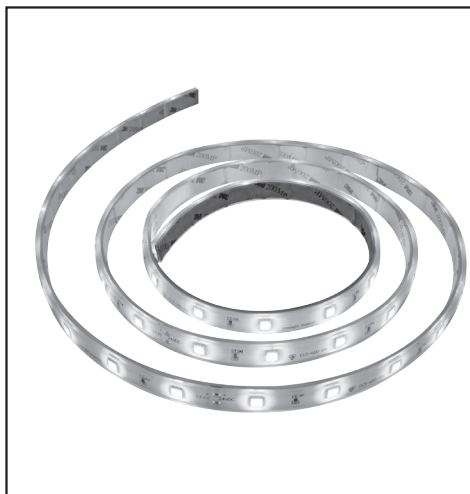
Covelight Superior RGBW
• **141201**
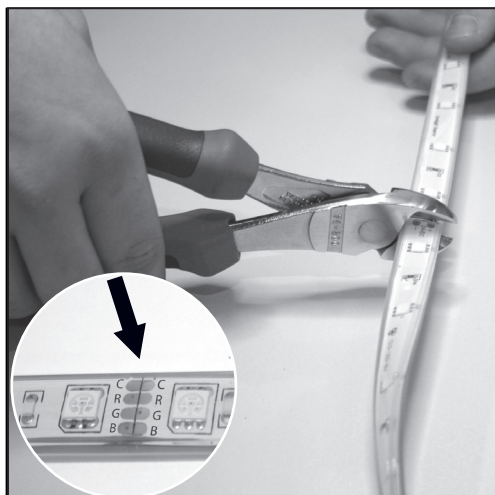 CLS Covelight Superior RGBW 24VDC
  5mtr roll 360 SMD LEDs

2

WARNING

Use the antistatic wristband at all times when preparing the Covelight Superior RGBW.

Antistatic wristband
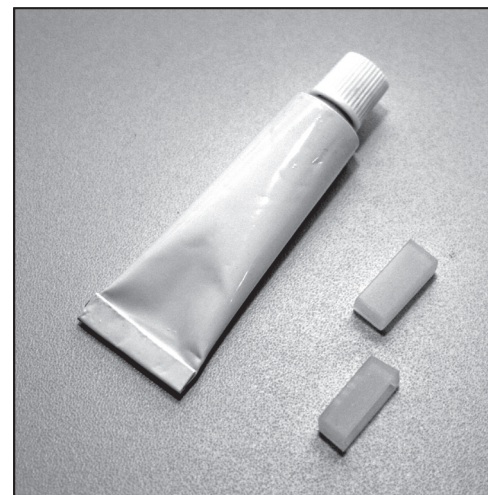Itemnumber: 871609

3

Cut the Covelight Superior RGBW to its correct length.

WARNING

Always cut the Covelight Superior RGBW on the cutting mark. The interval of the cutting on the Covelight Superior RGBW: Item# 141201:   ± 16,5 cm
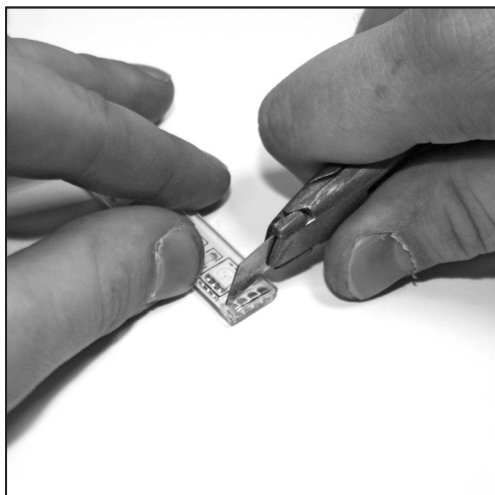

4

Use the enclosed connection kit.

Also available is the Covelight Superior accessory kit, an supplement on the enclosed connection kit.

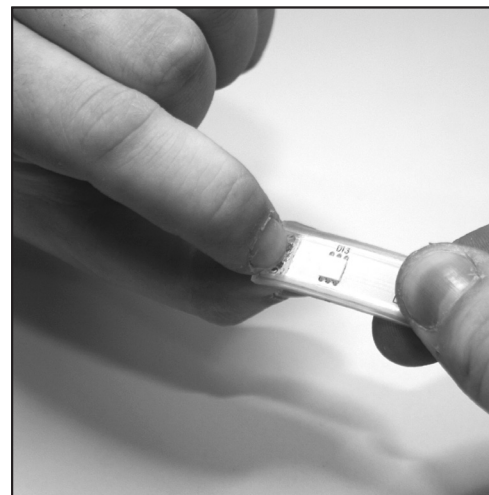**Covelight Superior accessory kit**
Itemnumber: 141170

5

Use the cutter to make an incision in the shape of an rectangle at the cutting mark.

WARNING **!** *Make sure you don't cut too deep, or else you will damage the internal wiring. Only cut in the silicone.*
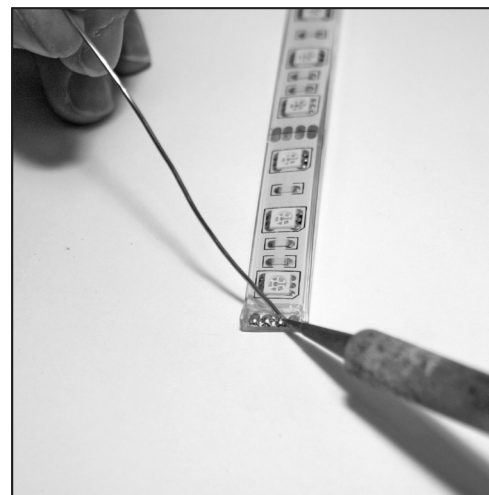

6

Peel the incision off the Covelight Superior RGBW.

7

Carefully scrape the silicone remains with the cutter off the internal wiring.
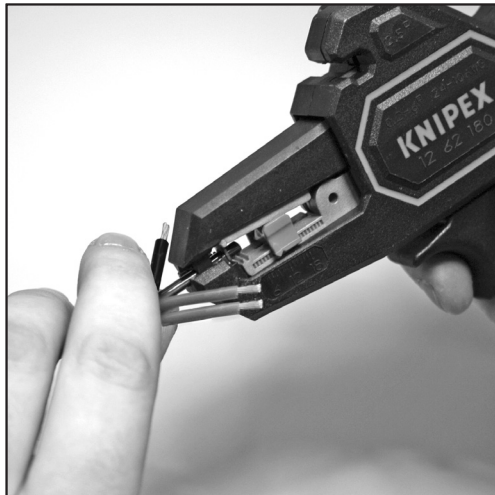

8

Use a soldering iron to tin the +24V, G, R, B & W connection of the Covelight Superior RGBW.
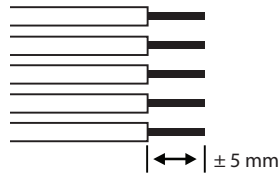
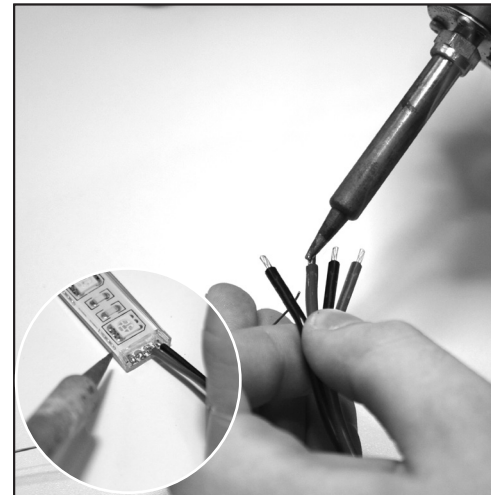WARNING **!** *Soldering iron of max. 80 Watt. Soldering temperature max. 350 °C Soldering time of max. 10 sec.*

9

Strip the wires to the correct length.

Cable colour:
Brown (+24V)   Green (G)
Red   (R)   Blue   (B)
White   (W)

± 5 mm

10

Use the soldering iron to tin the wires
on the Covelight Superior RGBW;
The Brown wire comes on the +24V connection
The red wire comes on the R connection
The green wire comes on the G connection
The blue wire comes on the B connection
The white wire comes on the W connection

WARNING **Soldering iron of max. 80 Watt.**
Soldering temperature max. 350 °C
Soldering time of max. 10 sec.

11
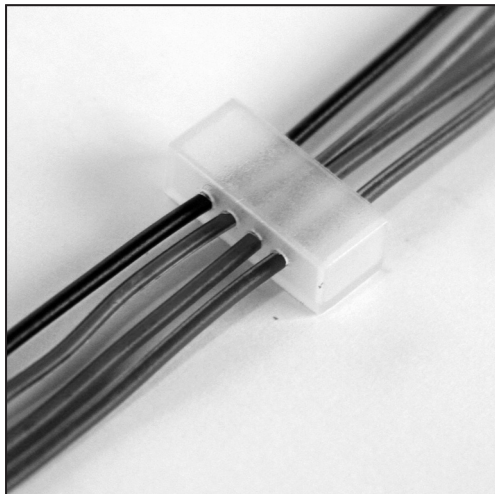
Slide the open endcap over the cable.

12
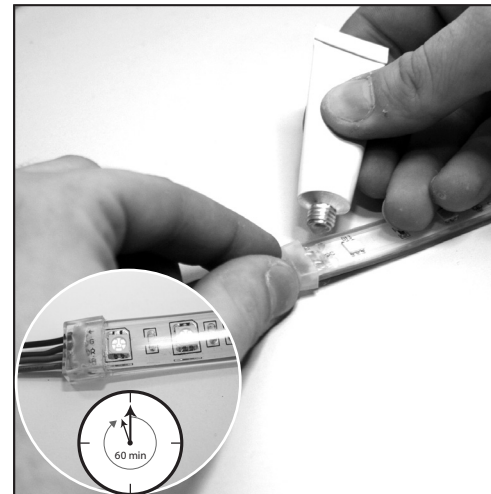
Apply enough glue on the Covelight
Superior RGBW.

Then push the endcap over the Covelight
Superior RGBW.

Make sure the endcap is fitted
firmly to the Covelight Superior
RGBW.

WARNING

The glue has to dry for 60 minutes.
After 24 hours the glue has
become solid.

60 min

13

Meanwhile the other endcap can be mounted.

Apply enough glue to the inner sides of the endcap.
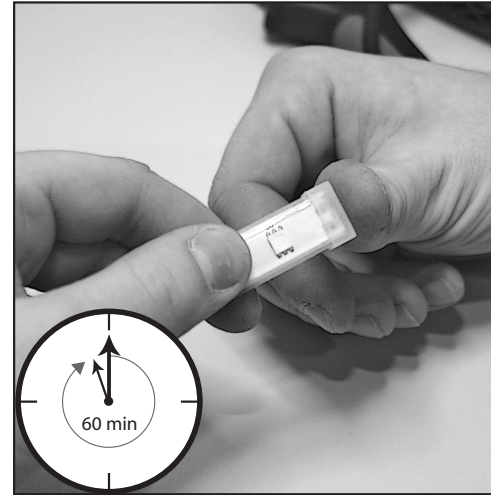
14

Push the endcap over the Covelight Superior RGBW.

! WARNING

Make sure the endcap is fitted firmly to the Covelight Superior RGBW.

The glue has to dry for 60 minutes. After 24 hours the glue has become solid.

60 min
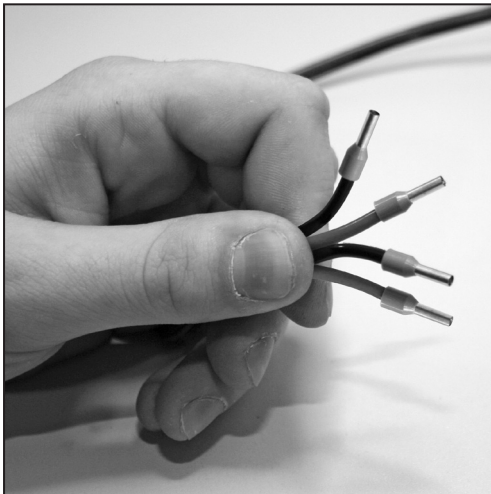
15

At the end of the cable, fit the crimp terminal over the stripped wires and fixate the crimp terminal with a suited crimp tool.
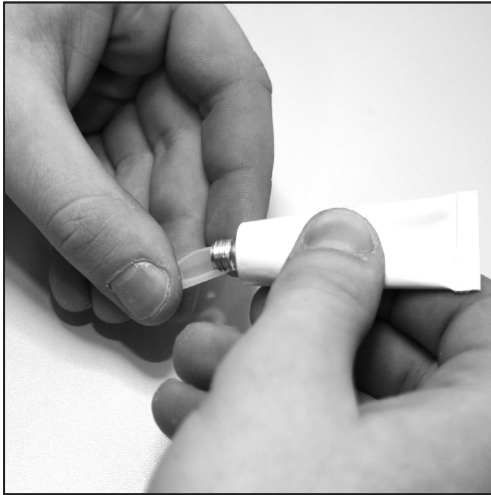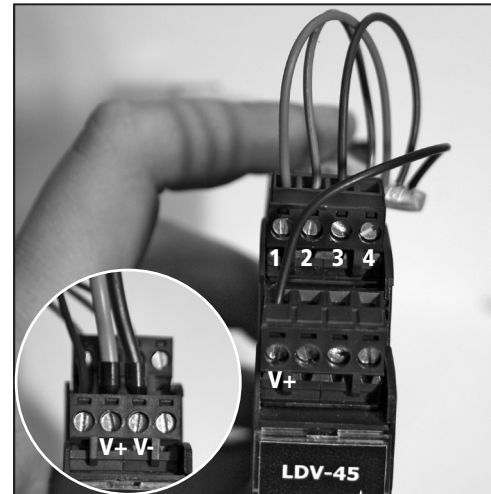
16

Connect the wires to the Output connector of the LDV-45.
Connect the red wire to   [Channel 1] (R)
Connect the green wire to [Channel 2] (G)
Connect the blue wire to   [Channel 3] (B)
Connect the white wire to   [Channel 4] (W)
Connect the brown wire to [V+] (Input, Ch1)

Then connect an red/black wire (with crimp terminals) to the LDV-45 Input connector.
Connect the red wire to [V+] and the black wire to [V-].

1 2 3 4

V+

V+ V-

LDV-45

17

Connect the wires to the BT power supply. Connect the red wire to [V+] and the black wire to [V-]

For an overview of all suitable BT power supplies for the Covelight Superior RGBW; see page 7 and 8.

+V   +V   -V   -V

18

At the end of the power cable, fit the crimp terminal over the stripped wires and fixate the crimp terminal.

Connect the power cable to the other side of the BT power supply.
- Connect yellow/green wire to
- Connect blue wire to [N]
- Connect brown wire to [L]

N   L
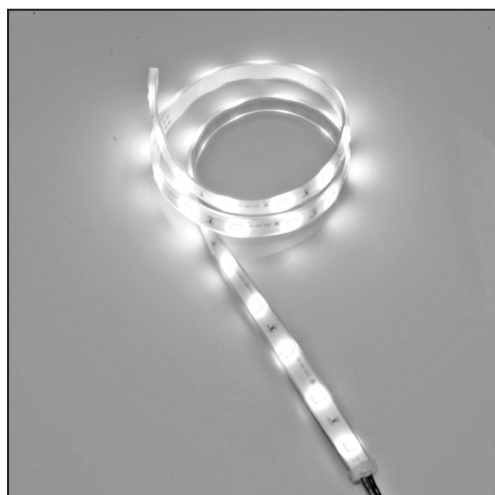
19

TECHNICAL SPECIFICATIONS

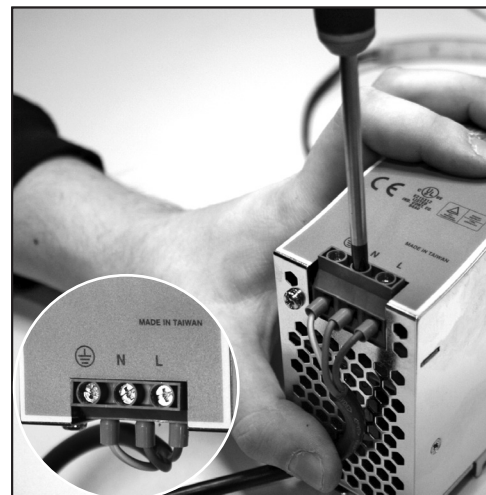|	
LEDs:	SMD 5050
Colour:	RGB W
Input voltage:	24 VDC
Power consumption:	15 Watt / meter
Housing:	Silicone gel
IP value:	IP44
Measurements:	14 x 4 (hxw)
Weight:	80 gr/m
Ambient temperature:	-10 °C till +40 °C
Cutting length:	16,5 cm

BT20

CLS BT20.24 LED power supply
24VDC 20VA 85-264VAC
706995

CLS LDV-45 DMX LED dimmer
4 channels 5Amp 12V-48V output
707037

CLS Covelight Superior RGBW
141201

1 Channel 1 (R)
2 Channel 2 (G)
3 Channel 3 (B)
4 Channel 4 (A/W)

1 2 3 4   Output

Input

LDV-45

Up
Menu
Down

RJ-45
DMX
in / out
RJ-45
DMX
in / out

V+ V+ V- V-

100 mm (d)

22,5 mm (w)

⏚ N   L

25 mm (w)

110 mm (h)

*Max. 8 cutting lengths**

**141201: 1,3 meters*

Max. continuing length is 5 or 10 meters, according to the specification of the product
Max. 8 cutting lengths on a CLS BT20.24 LED power supply

BT45

CLS BT45.24 LED power supply
24VDC 45VA 85-264VAC
707011

CLS LDV-45 DMX LED dimmer
4 channels 5Amp 12V-48V output
707037

CLS Covelight Superior RGBW
141201

1 Channel 1 (R)
2 Channel 2 (G)
3 Channel 3 (B)
4 Channel 4 (A/W)

Output

Input

LDV-45

Up
Menu
Down

RJ-45
DMX
in / out
RJ-45
DMX
in / out

V+ V+ V- V-

N L

93 mm (d)

110 mm (h)

78 mm (w)

25 mm (w)

Max. 18 cutting lengths*

*141201: max. 3 meters

Max. continuing length is 5 or 10 meters, according to the specification of the product
Max. 18 cutting lengths on a CLS BT45.24 LED power supply

BT75

CLS BT75.24 LED power supply
24VDC 75VA 85-264VAC
707012

CLS LDV-45 DMX LED dimmer
4 channels 5Amp 12V-48V output
707037

CLS Covelight Superior RGBW
141201

1 Channel 1 (R)
2 Channel 2 (G)
3 Channel 3 (B)
4 Channel 4 (A/W)

Output

Input

LDV-45

Up
Menu
Down

RJ-45
DMX
in / out
RJ-45
DMX
in / out

V+ V+ V- V-

N L

100 mm (d)

110 mm (h)

125,2 mm (w)

25 mm (w)

Max. 30 cutting lengths*

*141201: max. 5 meters

Max. continuing length is 5 or 10 meters, according to the specification of the product
Max. 30 cutting lengths on a CLS BT75.24 LED power supply

BT120

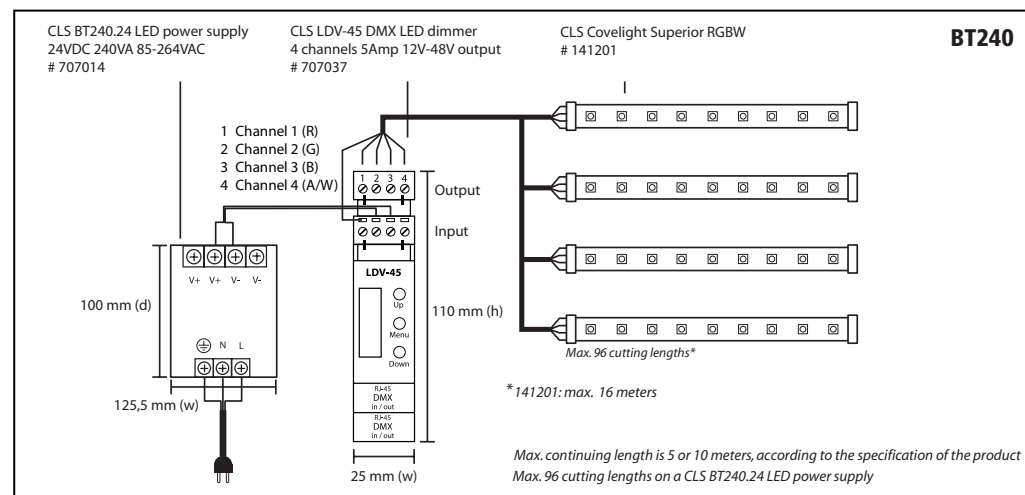CLS BT120.24 LED power supply
24VDC 120VA 85-264VAC
707013

CLS LDV-45 DMX LED dimmer
4 channels 5Amp 12V-48V output
707037

CLS Covelight Superior RGBW
141201

1 Channel 1 (R)
2 Channel 2 (G)
3 Channel 3 (B)
4 Channel 4 (A/W)

Output

Input

LDV-45

Up
Menu
Down

RJ-45
DMX
in / out
RJ-45
DMX
in / out

V+ V+ V- V-

N L

100 mm (d)

110 mm (h)

125,2 mm (w)

25 mm (w)

Max. 48 cutting lengths*

*141201: max. 8 meters

Max. continuing length is 5 or 10 meters, according to the specification of the product
Max. 48 cutting lengths on a CLS BT120.24 LED power supply

BT240

CLS BT240.24 LED power supply
24VDC 240VA 85-264VAC
707014

CLS LDV-45 DMX LED dimmer
4 channels 5Amp 12V-48V output
707037

CLS Covelight Superior RGBW
141201

1 Channel 1 (R)
2 Channel 2 (G)
3 Channel 3 (B)
4 Channel 4 (A/W)

Output

Input

LDV-45

Up
Menu
Down

RJ-45
DMX
in / out
RJ-45
DMX
in / out

V+ V+ V- V-

N L

100 mm (d)

110 mm (h)

125,5 mm (w)

25 mm (w)

Max. 96 cutting lengths*

*141201: max. 16 meters

Max. continuing length is 5 or 10 meters, according to the specification of the product
Max. 96 cutting lengths on a CLS BT240.24 LED power supply

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

Retail & Food LED modules
Clothing, furniture, kitchens, jewellery,
shoes, bread, meat,
fish & 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

Weight
In grams/kilograms

Pressure
Maximum pressure on the
fixture in kg/cm^2

Lifespan
Of the light source in hours

Lenses
Availble lenses,
indicated in degrees

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

Bluetooth controlled
By Casambi

Magno 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

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

NOTES