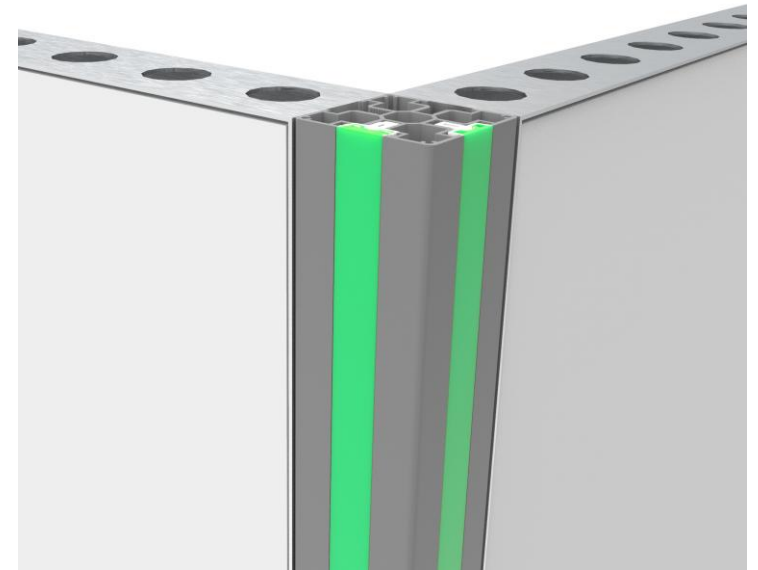


How to ...

# Install & use the LightLine solutions

300 01 +++++ & 300 02 +++++



# Table content

3-7	Available solutions
8	Additional parts
9-11	How to mount the profile lightline
12	How to mount the cover lightline
13	End wall solutions
14	Bending direction
15	How to make custom lengths
16	Electrical specifications
17-19	How to use the controller
20-24	Electrical circuit
25	Target audience

# Available solutions



## 300 01 ++++

◆ PROFILE LIGHTLINE [++++MM]



◆ Available lengths:

- ◆ 0992 mm
- ◆ 2418 mm
- ◆ 2480 mm
- ◆ 2976 mm
- ◆ 4960 mm

## 300 02 ++++

◆ COVER LIGHTLINE [++++MM]



◆ Available lengths:

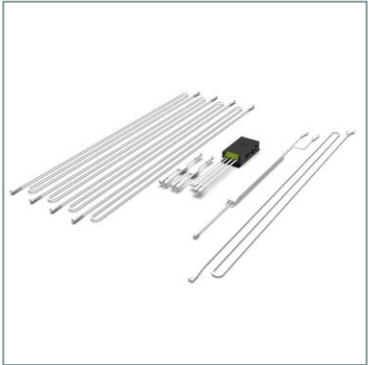
- ◆ 0992 mm
- ◆ 2418 mm
- ◆ 2480 mm
- ◆ 2976 mm

# Available solutions



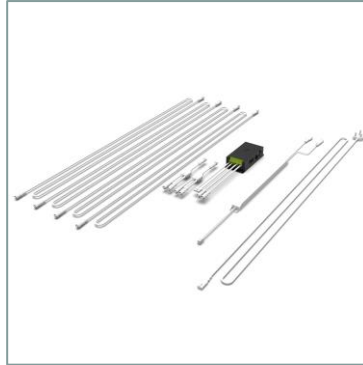
## 300 03 00 SET EU

◆ LIGHTLINE ADD-ON SET EU



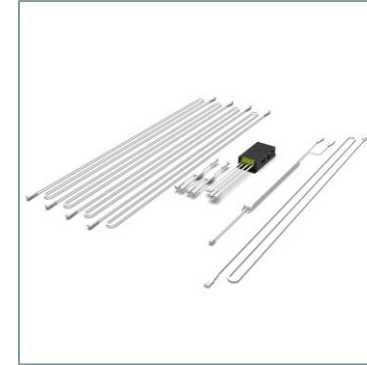
## 300 03 00 SET UK

◆ LIGHTLINE ADD-ON SET UK



## 300 03 00 SET US

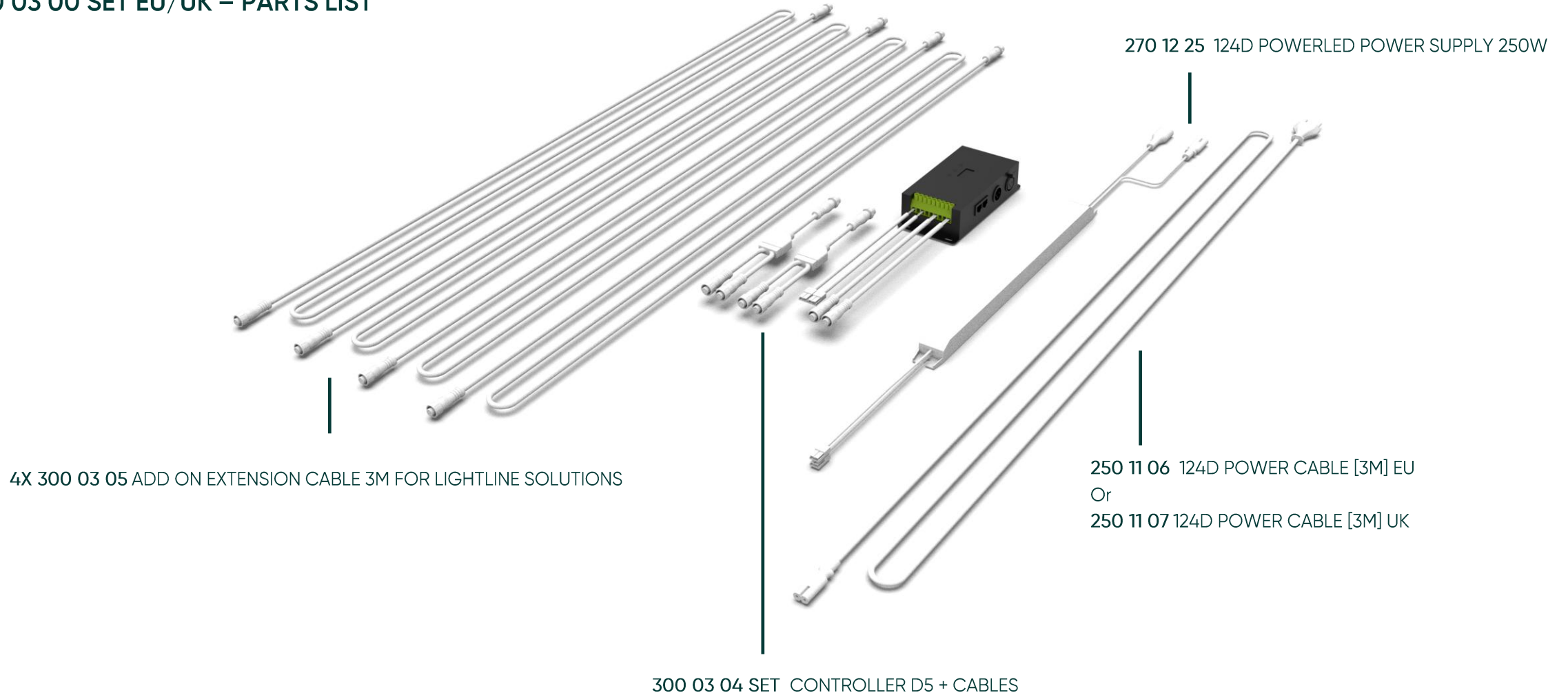
◆ LIGHTLINE ADD-ON SET USA



# Available solutions



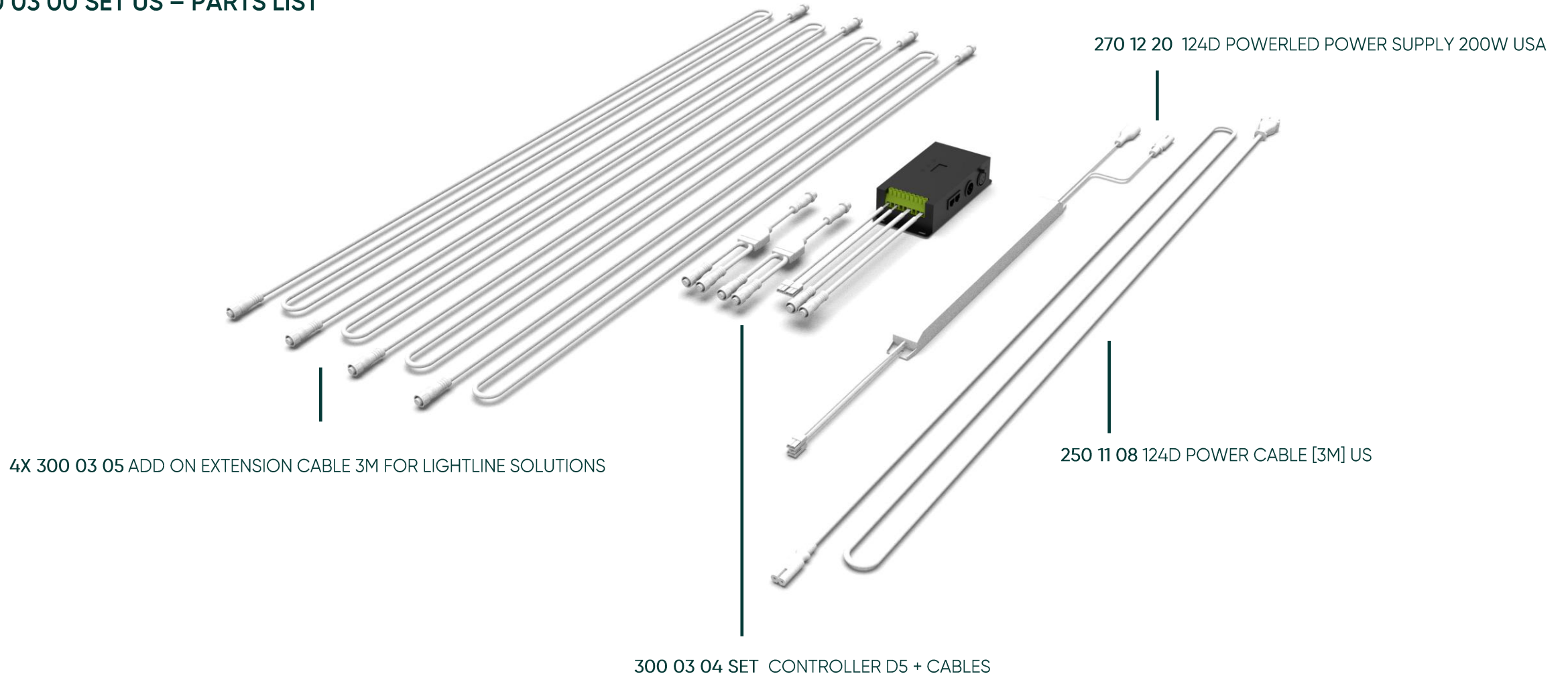
## 300 03 00 SET EU/UK – PARTS LIST



# Available solutions



## 300 03 00 SET US – PARTS LIST

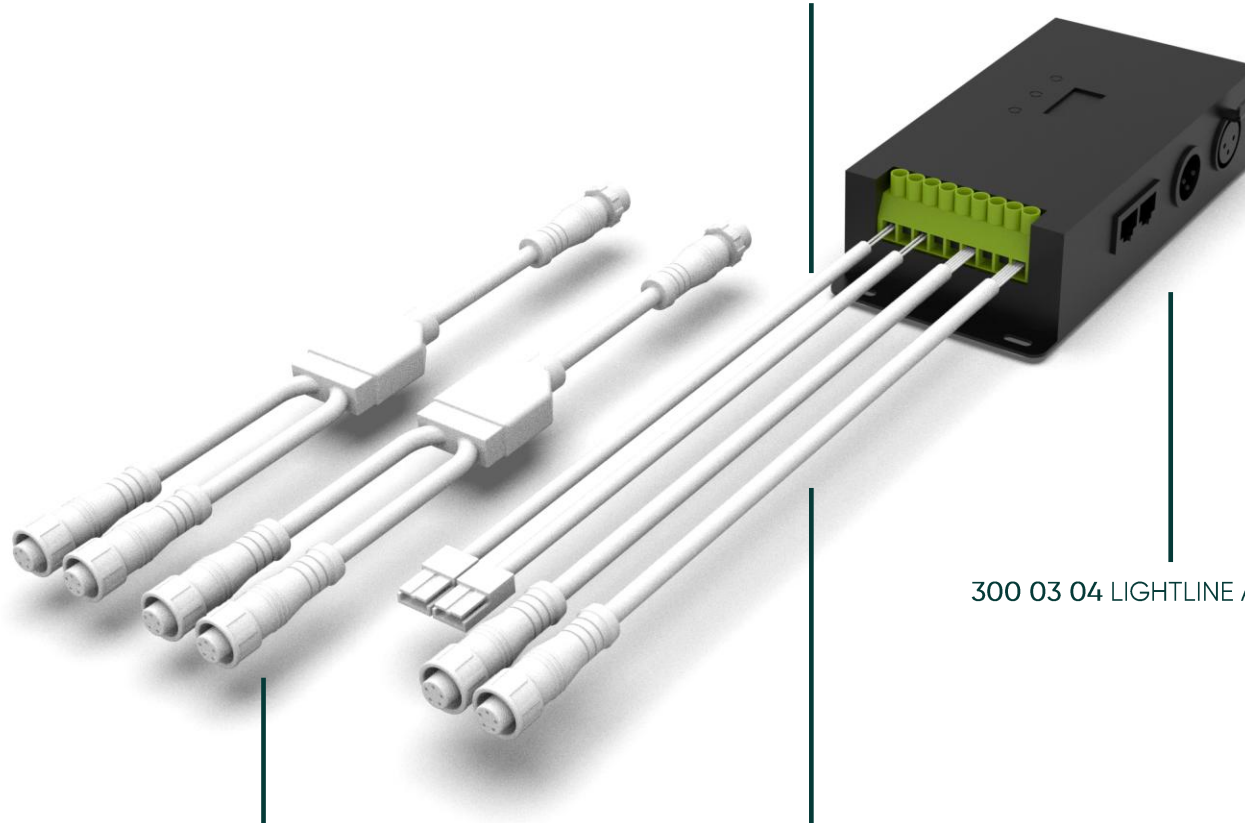


# Available solutions



## 300 03 04 SET – PARTS LIST

2x 300 03 07 LIGHTLINE ADD-ON: CABLE CONTROLLER TO POWER SUPPLY [200MM]



300 03 04 LIGHTLINE ADD-ON: CONTROLLER D5

2X 300 03 08 LIGHTLINE ADD-ON: POWER SPLITTER

2X 300 03 06 LIGHTLINE ADD-ON: FEMALE CABLE [200MM]

# Additional parts

## 300 03 01

- ◆ LIGHTLINE ADD-ON: RUBBER PROFILE FOR BECONSTRUCT [2480MM]



## 300 03 03

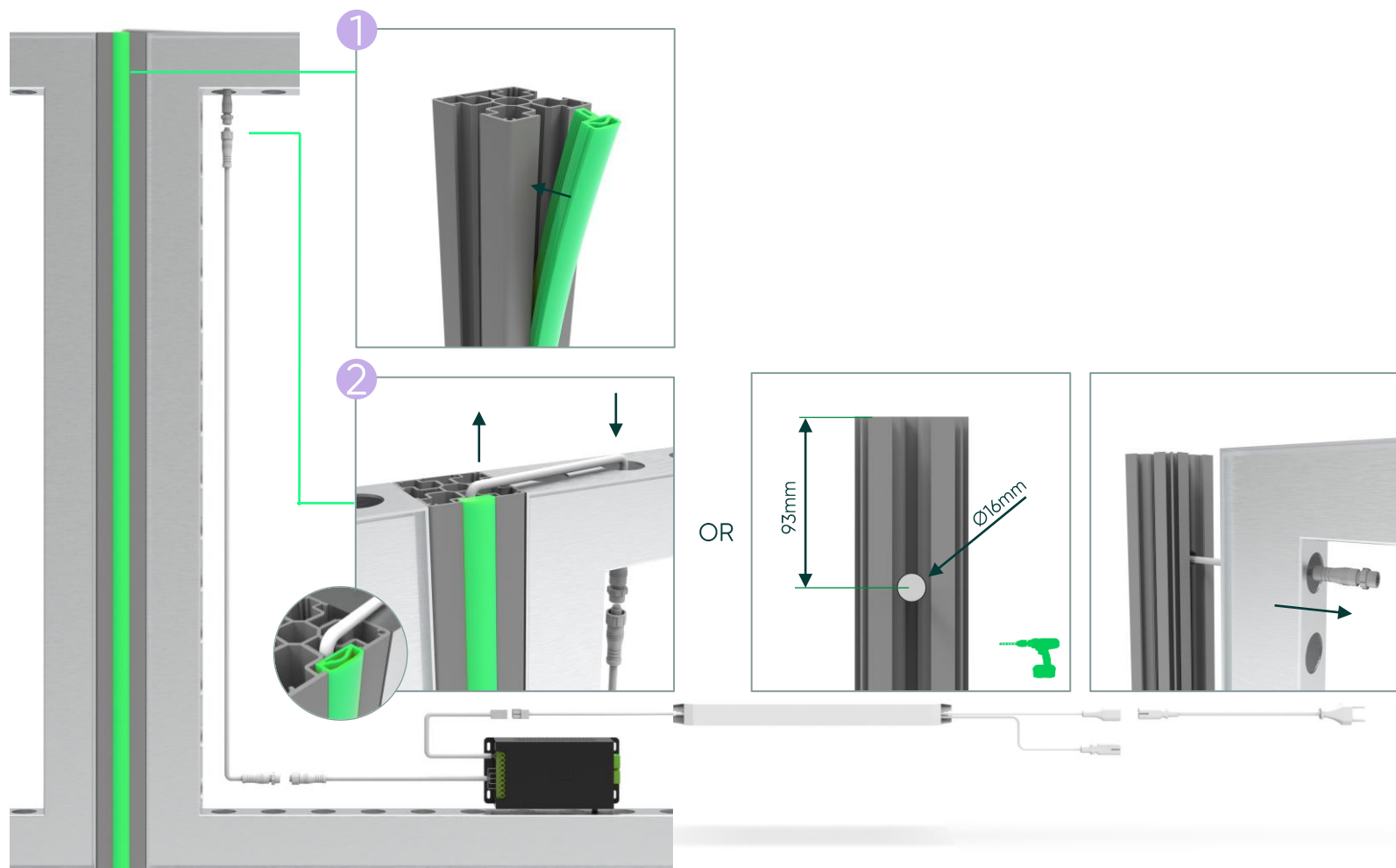
- ◆ LIGHTSPARE PART SET: [SILICONE GLUE + END CAPS]



# How to mount the profile lightline



## THE PROFILE LIGHTLINE ONTO A PROFILE

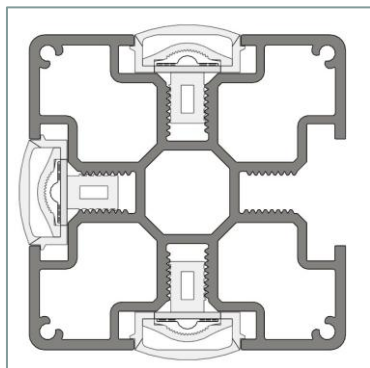


# How to mount the profile lightline

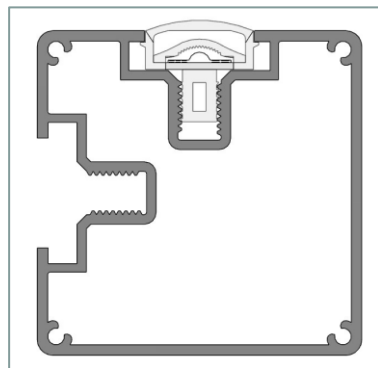


## POSSIBILITIES IN DIFFERENT PROFILES

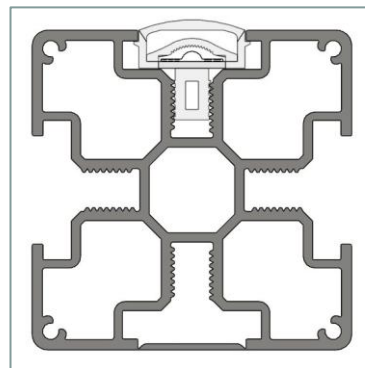
◆ 612 ++++ S04



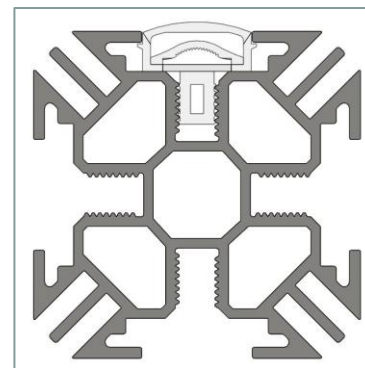
◆ 612 ++++ S02



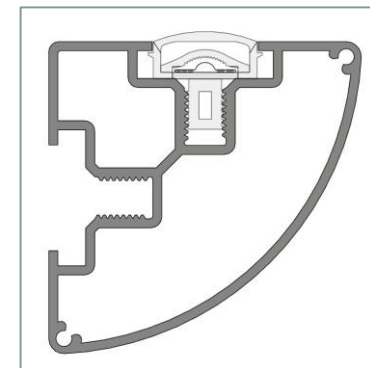
◆ 612 ++++ S03



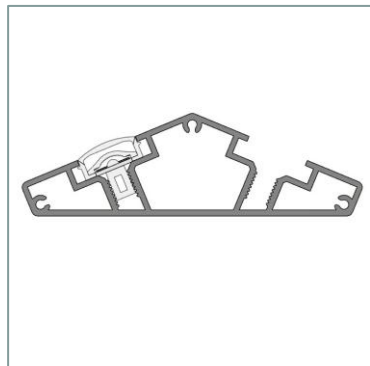
◆ 614 ++++ S04



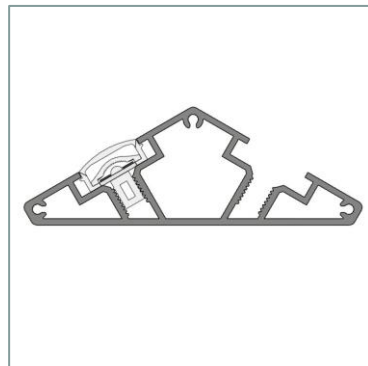
◆ 616 ++++ S02



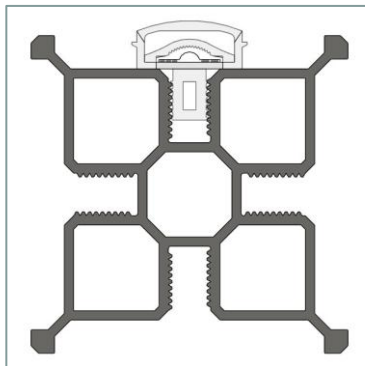
◆ 630 ++++ S02



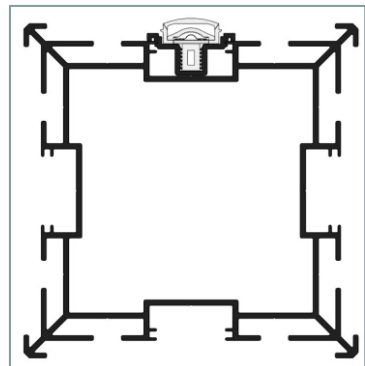
◆ 631 ++++ S02



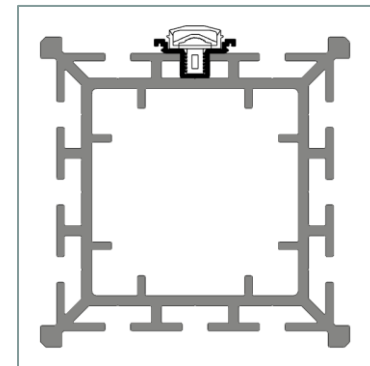
◆ 633 ++++ S04



◆ 980 ++++ DX4



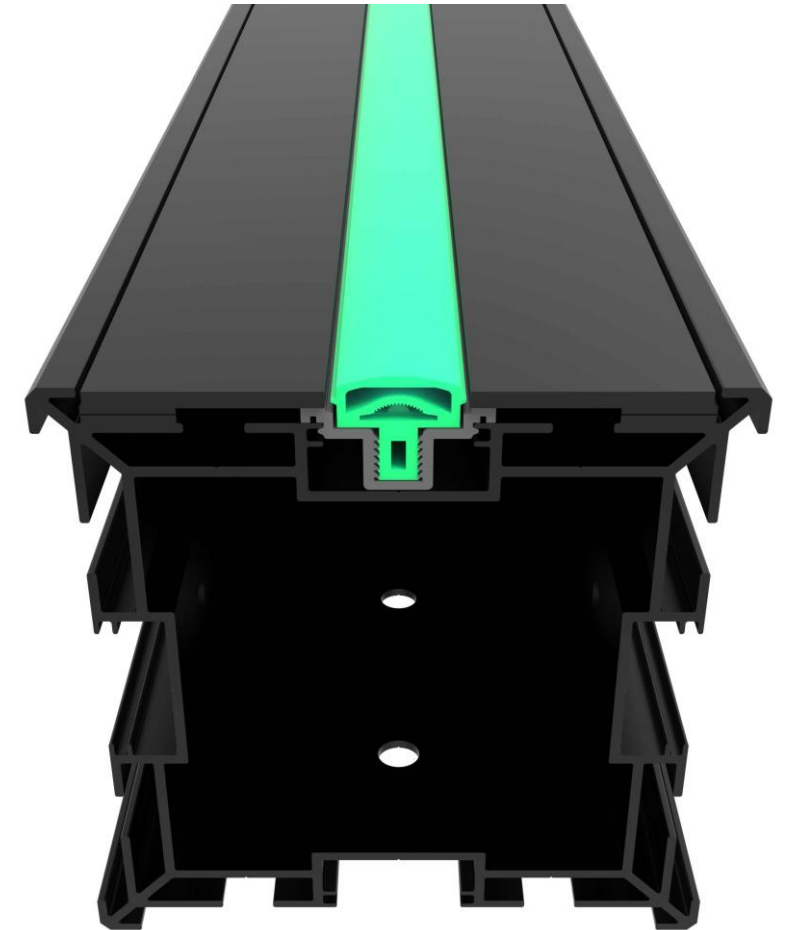
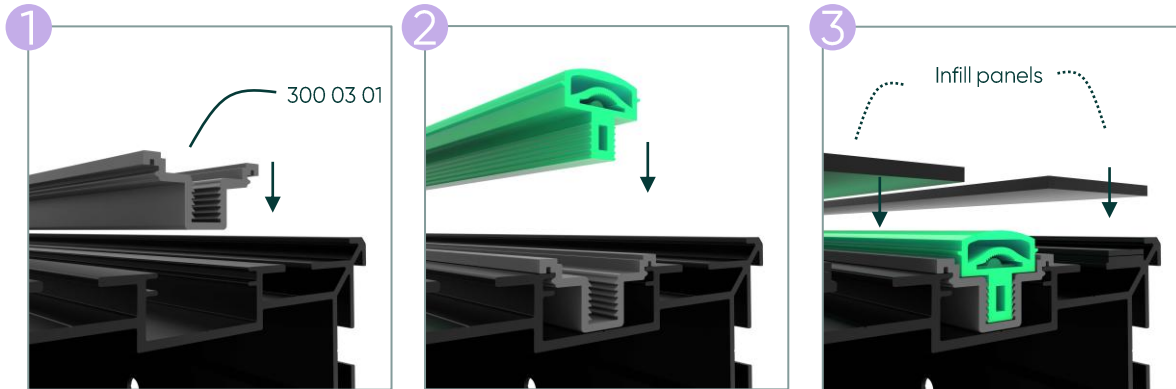
◆ 830 ++++ D00



# How to mount the profile lightline



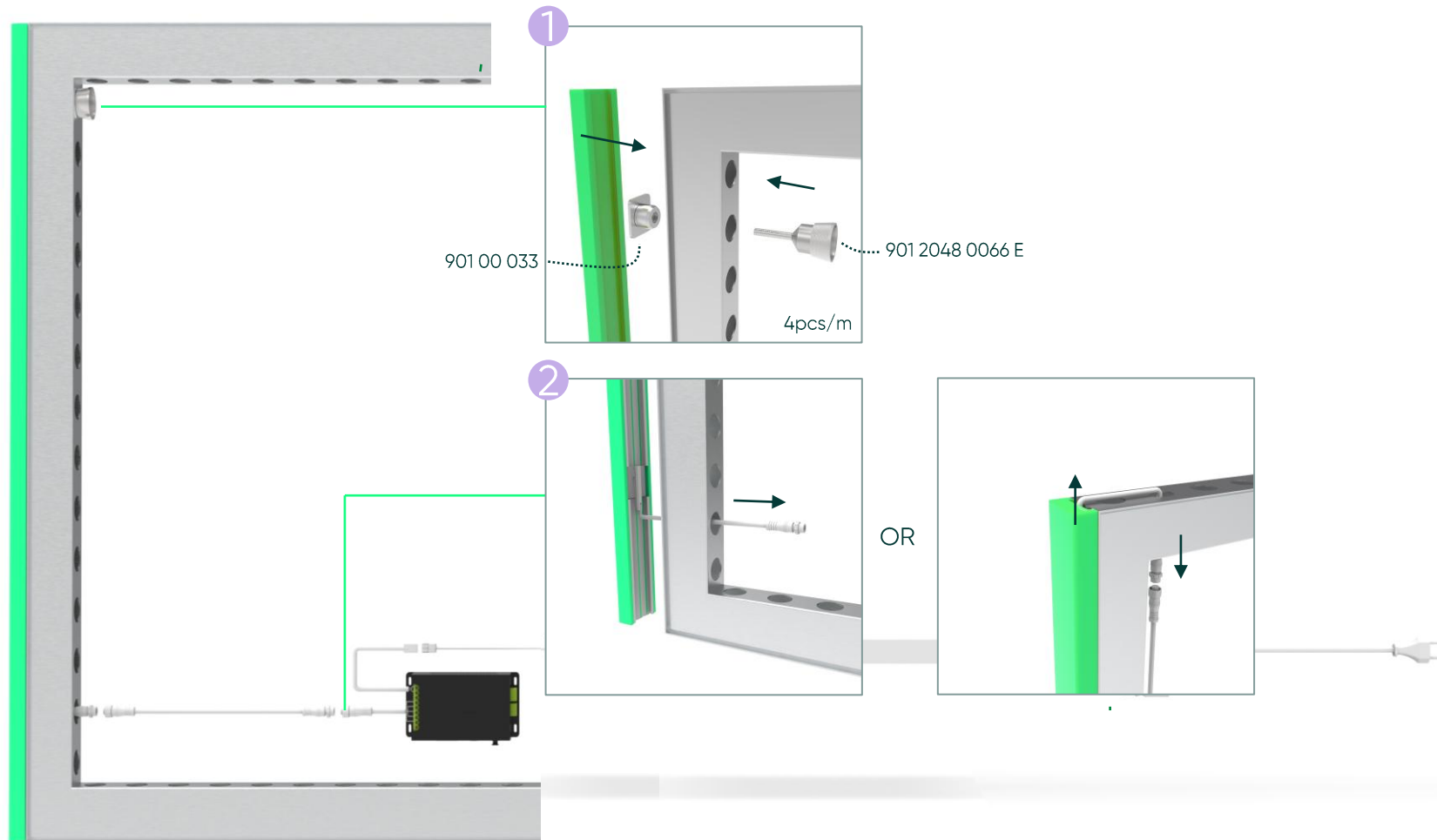
## IMPLEMENTATION IN BECONSTRUCT PROFILE



# How to mount the cover lightline



## THE COVER LIGHTLINE ONTO A FRAME

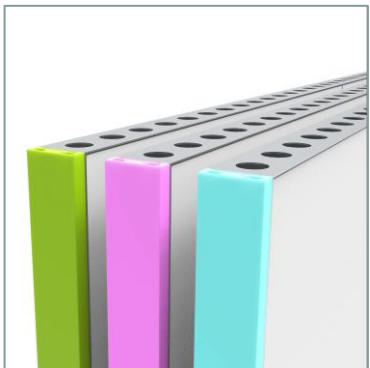


# End wall solutions



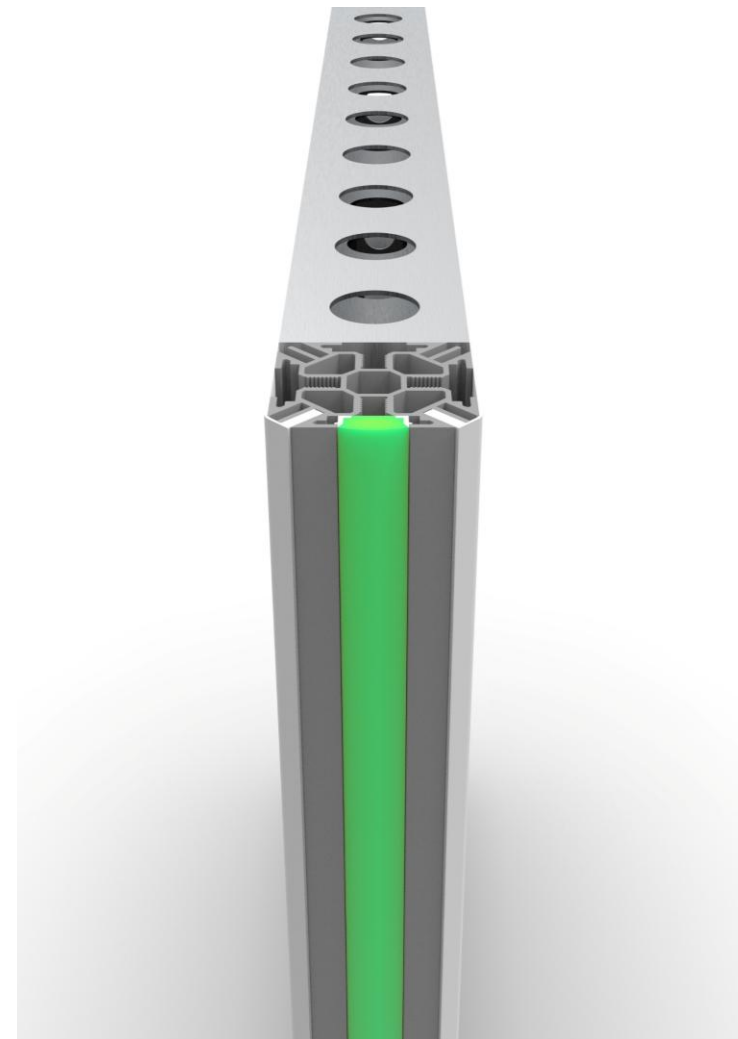
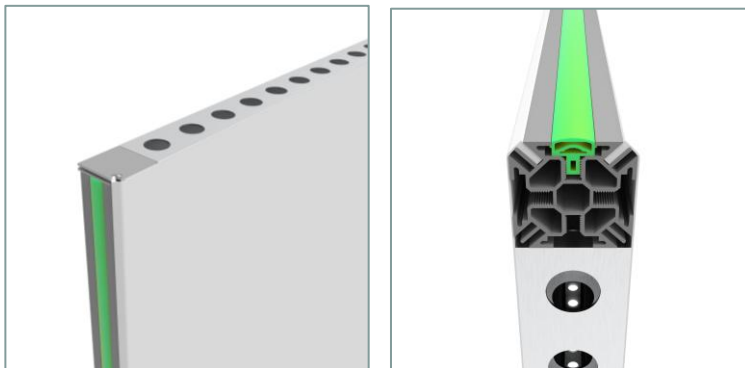
## OPTION 1

◆ COVER LIGHTLINE



## OPTION 2

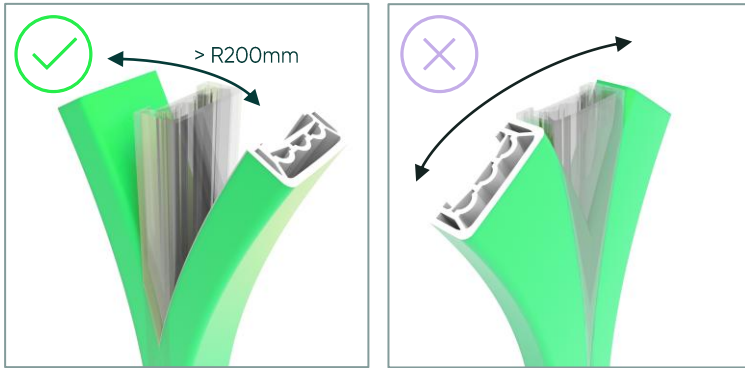
◆ PROFILE LIGHTLINE IN TEXTILE SQUARE



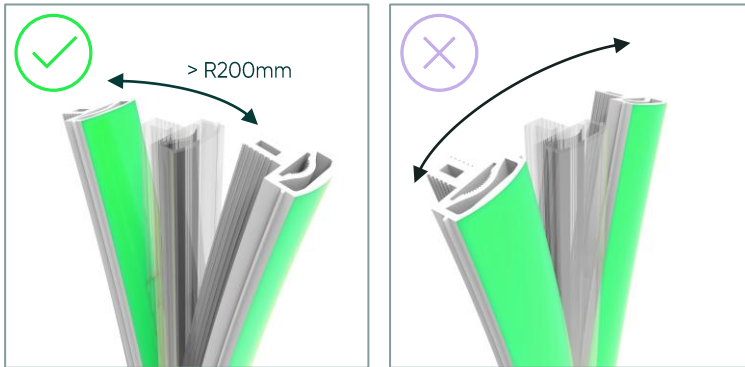
# Bending direction



## COVER LIGHTLINE



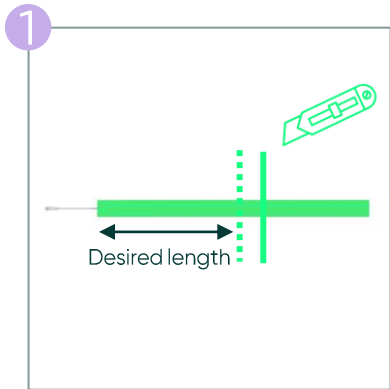
## PROFILE LIGHTLINE



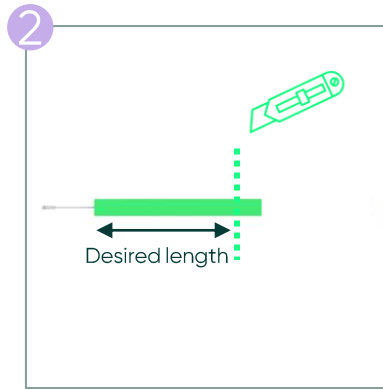
# How to make custom lengths



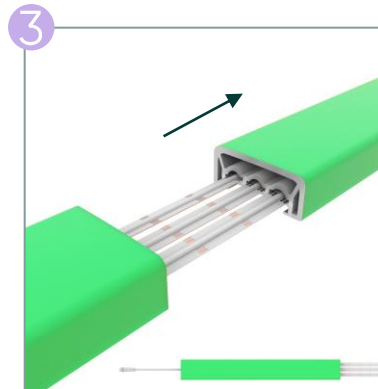
SAME STEPS CAN BE DONE FOR BOTH LIGHTLINES



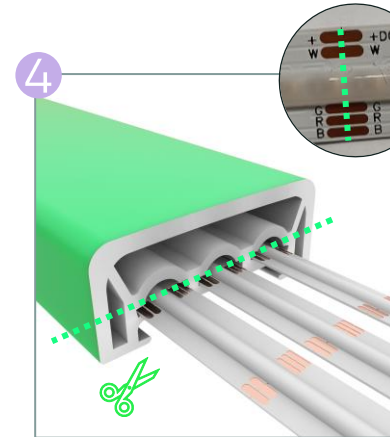
1 Cut the lightline a bit longer than the desired length (both silicone and ledstrip)



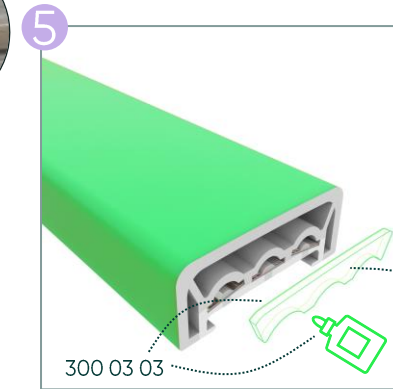
2 Carefully cut the silicone profile, NOT the ledstrips



3 Remove the remaining silicone



4 Cut the ledstrips where a line is (in the middle of the soldering pads)



5 Glue the ends to make the lightline waterproof

Use this transparent end cover to close off the big chamber of the cover lightline

# Electrical specifications



## COVER LIGHTLINE

Colour	RGBW
Colour temperature white	6500K
LED technology	COB
Voltage	DC24V
Cuttable length	Per 31mm
Number of LED strips	3 LED strips
Power consumption	60W/m
Luminous flux	1800 lm

## PROFILE LIGHTLINE

Colour	RGBW
Colour temperature white	6500K
LED technology	COB
Voltage	DC24V
Cuttable length	Per 31mm
Number of LED strips	1 LED strip
Power consumption	20W/m
Luminous flux	700 lm

# How to use the controller

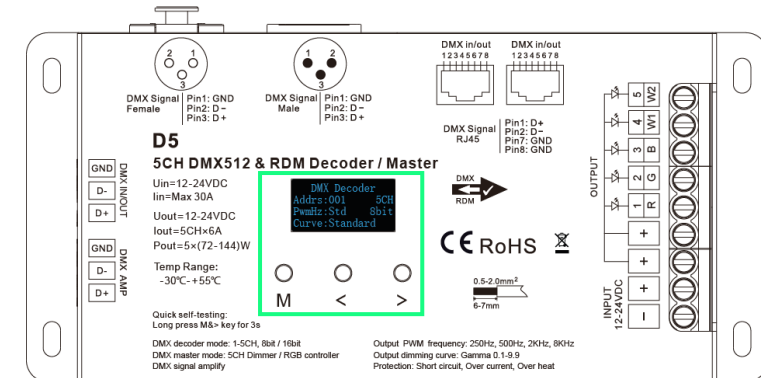


## DIFFERENT MODES

- ◆ RGB CONTROLLER MODE
- ◆ DIMMER MODE
- ◆ DMX CONTROLLER MODE

## INTERFACE

Switching between modes	Short press "M"
Activate parameter settings	Pressing "<" OR Pressing ">" OR Long press "M"
Quit parameter settings and go back to switching modes	Long press "M" OR wait 30s
Fast self-testing	Long press "M" + ">"
Restoring factory default parameters	Long press "<" + ">"



# How to use the controller



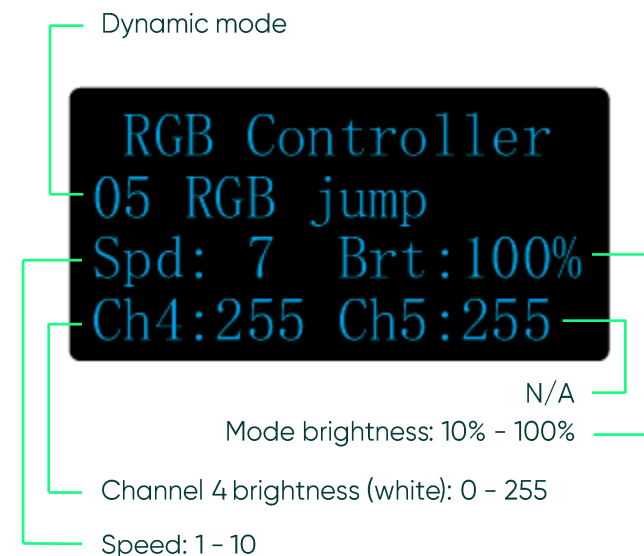
## RGB CONTROLLER MODE

25 DIFFERENT DYNAMIC MODES

NR	MODE
01	Static red + strobe
02	Static green + strobe
03	Static blue + strobe
04	Static white + strobe
05	R/B/G jump
06	7 colour jump
07	R/G/B strobe
08	7 color strobe

NR	MODE
09	R/G/B gradual
10	Color gradual
11	R/G/B fade
12	Red fade
13	Green fade
14	Blue fade
15	White fade
16	Red/white gradual

NR	MODE
17	Green/white gradual
18	Blue/white gradual
19	Red/yellow gradual
20	Red/purple gradual
21	Green/yellow gradual
22	Green/cyan gradual
23	Blue/purple gradual
24	Blue/cyan gradual
25	All loop play

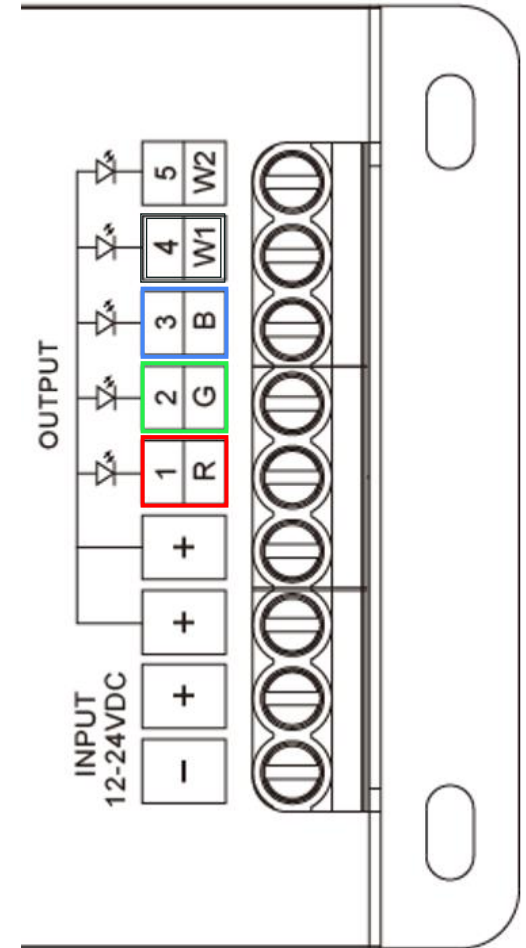
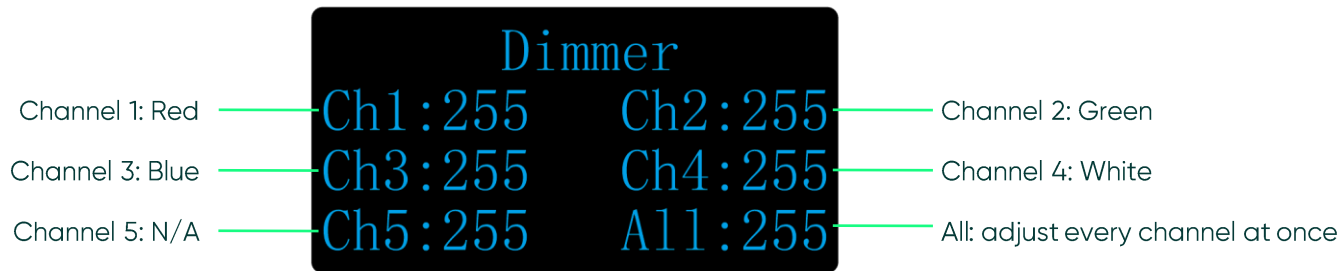


# How to use the controller



## DIMMER MODE

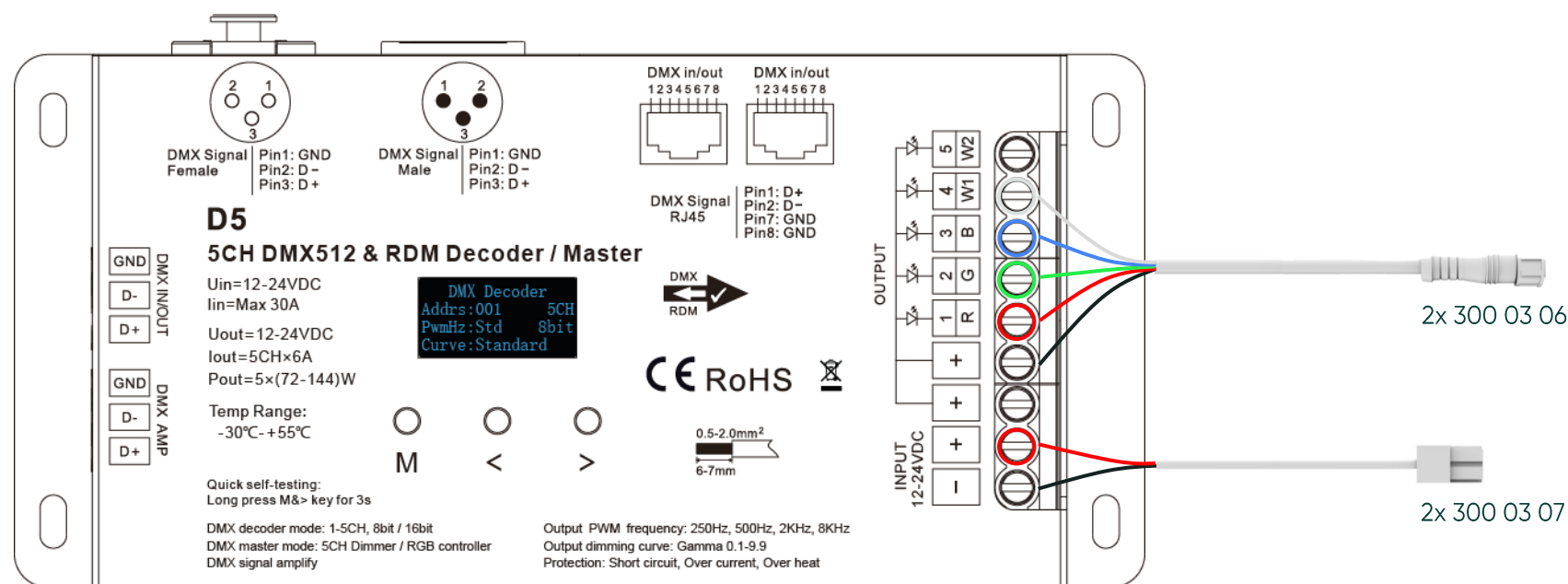
- With this mode, every channel can be individually or all together be adjusted (0 – 255)



# Electrical circuit



## HOW TO CONNECT CABLES TO THE CONTROLLER

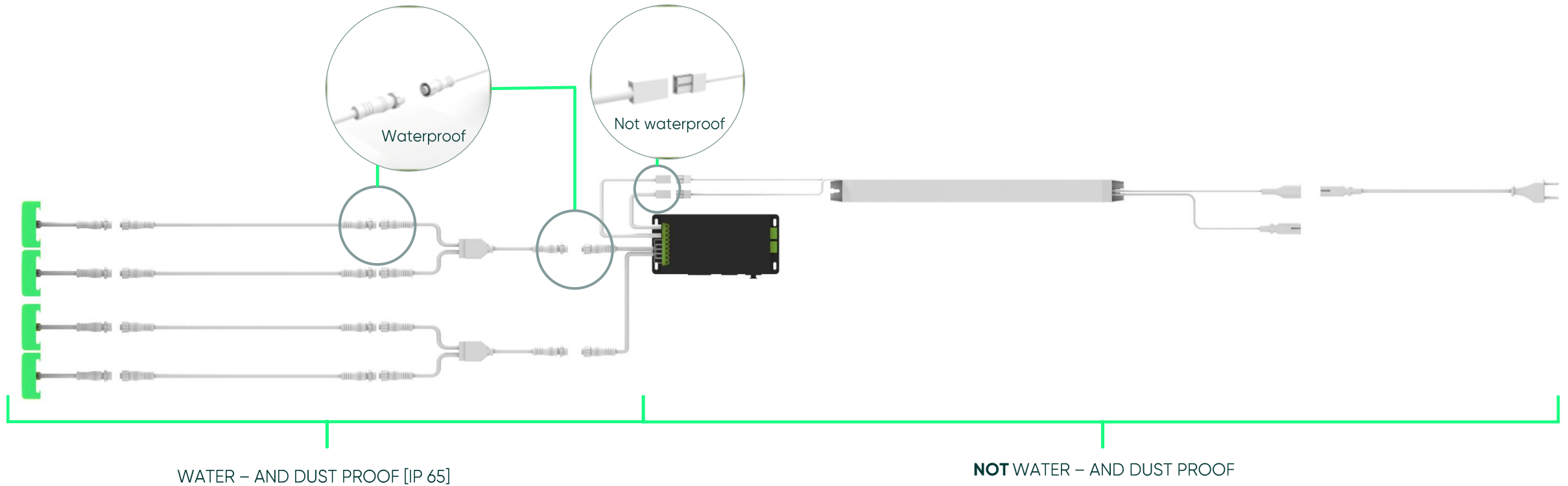


# Electrical circuit



## IP RATING

- ◆ The circuit from lightlines to controller is water – and dust proof and can be used outdoor
- ◆ Controller and power supply are not waterproof: needs to be protected from humid conditions



# Electrical circuit – EU/UK



## EU/UK VERSION

- ◆ 300 01 ++++ [COVER LIGHTLINE]: Maximum 4m in total per power supply (250W)
- ◆ 300 02 ++++ [PROFILE LIGHTLINE]: Maximum 12m in total per power supply (250W)

**300 01 ++++ COVER LIGHTLINE [++++MM]**

or

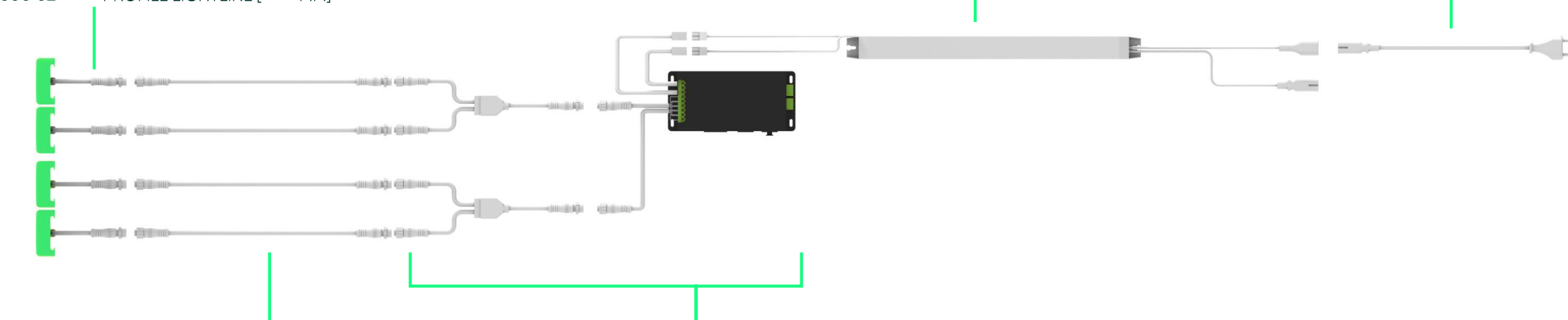
**300 02 ++++ PROFILE LIGHTLINE [++++MM]**

**270 12 25 124D POWERED POWER SUPPLY 250W [EU + UK]**

**250 11 06 124D POWER CABLE [3M] EU**

or

**250 11 07 124D POWER CABLE [3M] UK**



**300 03 05 LIGHTLINE ADD-ON: EXTENSION CABLE [3000MM]**

**300 03 04 SET LIGHTLINE ADD-ON: CONTROLLER D5 + CABLES**

\*FOR THE BEST OPTICAL RESULT, USE THE SAME CABLE LENGTH FOR EACH LIGHTLINE

# Electrical circuit – US



## US VERSION

- ◆ 300 01 ++++ [COVER LIGHTLINE]: Maximum 3m in total per power supply (200W)
- ◆ 300 02 ++++ [PROFILE LIGHTLINE]: Maximum 9m in total per power supply (200W)

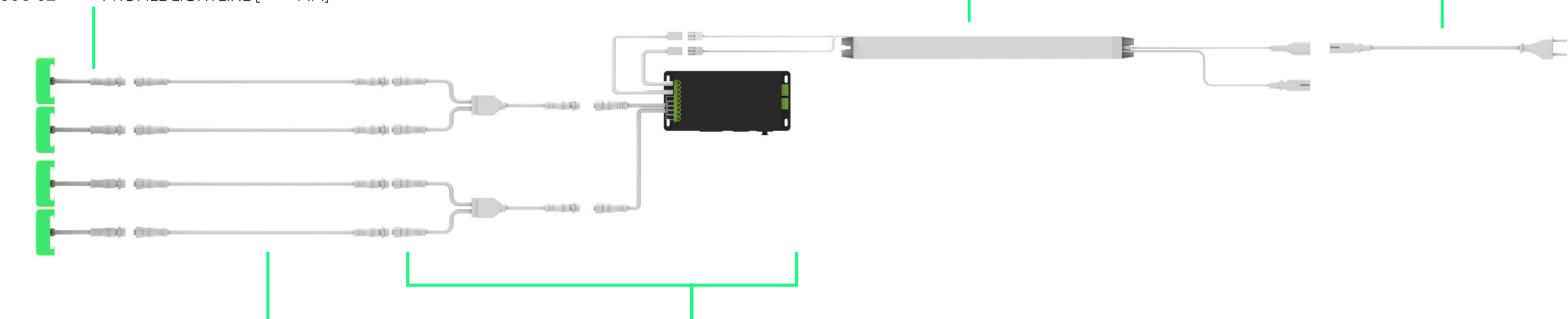
**300 01 ++++ COVER LIGHTLINE [++++MM]**

or

**300 02 ++++ PROFILE LIGHTLINE [++++MM]**

**270 12 20 124D POWERLED POWER SUPPLY 200W [USA]**

**250 11 08 124D POWER CABLE [3M] USA**



**300 03 05 LIGHTLINE ADD-ON: EXTENSION CABLE [3000MM]**

**300 03 04 SET LIGHTLINE ADD-ON: CONTROLLER D5 + CABLES**

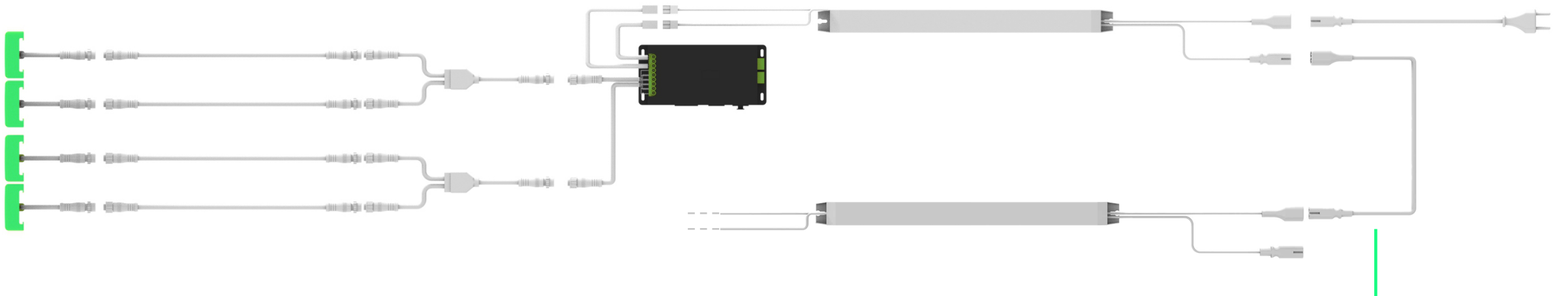
\*FOR THE BEST OPTICAL RESULT, USE THE SAME CABLE LENGTH FOR EACH LIGHTLINE

# Electrical circuit



## DAISY CHAIN

- ◆ EU/UK VERSION: Daisychain max 2x power supplies to each other
- ◆ USA VERSION: Daisychain max 4x power supplies to each other



**270 12 15 124D** POWERLED DAISYCHAIN CONNECTION CABLE [3M] [EU + UK]

or

**270 12 10 124D** POWERLED DAISYCHAIN CONNECTION CABLE [3M] [USA]

\* CABLE IS OPTIONAL: POWER SUPPLY CAN ALSO BE CONNECTED DIRECTLY TO EACH OTHER

# Target audience



This user **manual** aims to provide all users of the product of all relevant **information** that contributes to guaranteeing a **safe** way of working and to **maintain** the **product's condition**.

This user manual applies in **all circumstances** where any kind of **handling** of or with the **product** is **involved**, including: transport, assembly, installation, storing, using the product, maintenance, disassembly, decommissioning and disposal of the product.

The **target audience** can be described as follows:

- ◆ Transporters
- ◆ Installers, assemblers
- ◆ Operators
- ◆ Maintenance technicians
- ◆ People charged with the final decommissioning and disposal of the product

The above mentioned **persons** with their specific tasks have to have sufficiently demonstrable **knowledge** and/or **experience**. The product can only be used by or under **supervision** of an **authorized person**. The operator has to be **minimum 18 years** of age.



Thank you for choosing bematrix. For more information surf to the library on our website. Create your account and get access to all our technical brochures, manuals and videos.

Or contact us: [info@bematrix.com](mailto:info@bematrix.com)