

Project Name

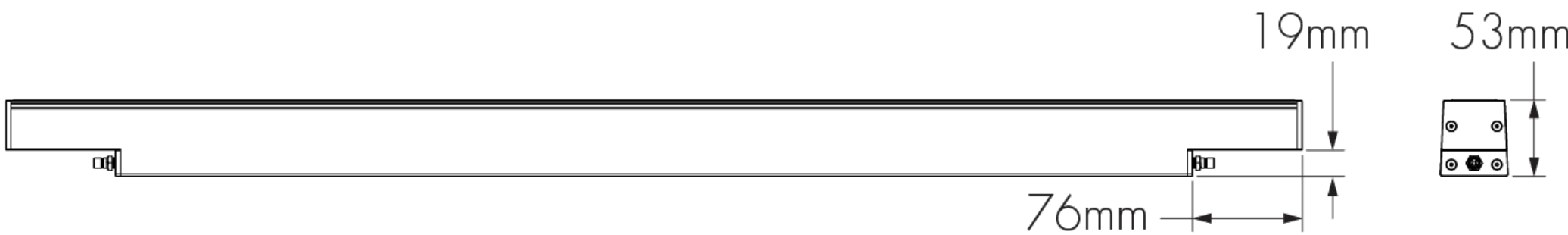
Qty

Type

Catalog / Part Number



Top view



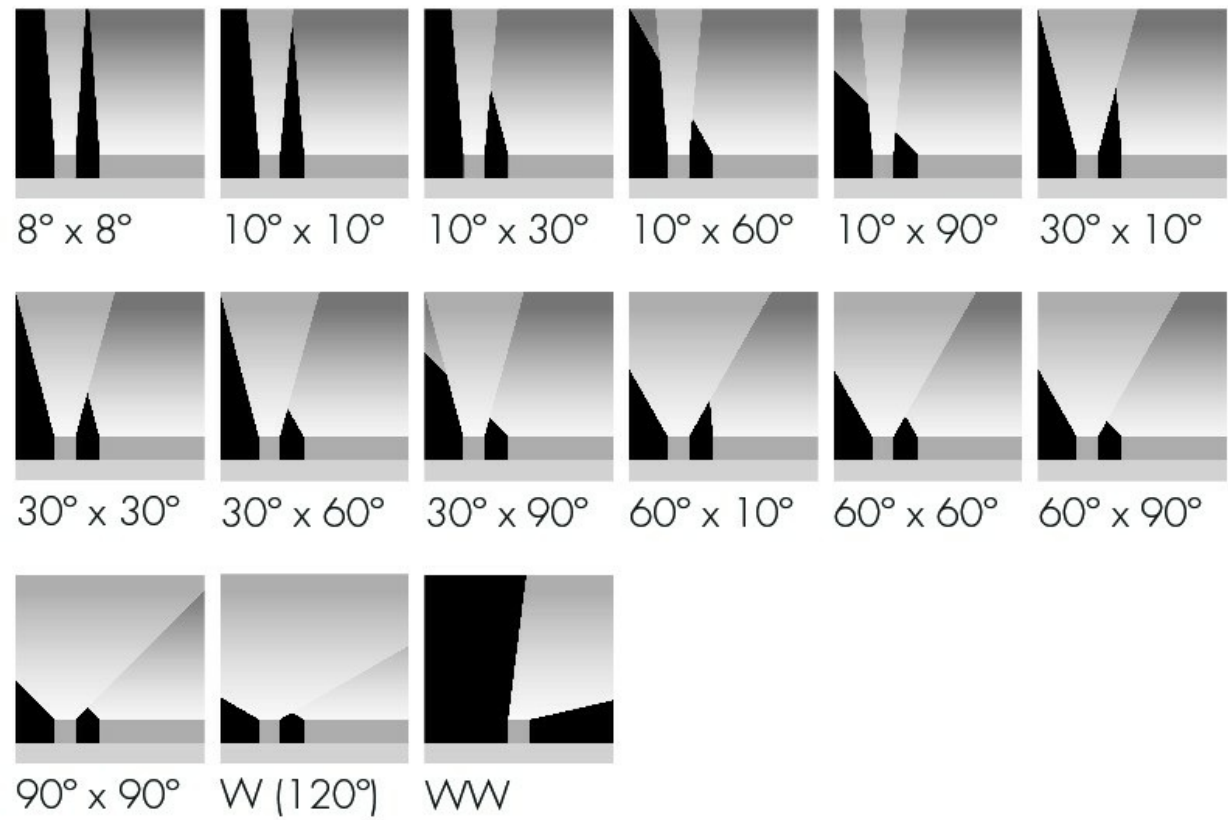
Front and side views

Photometric Summary

4ft, RGBW full output, DMX/RDM	Delivered output (lm)*	Intensity (peak cd)*
8°x8°	868	23,462
10°x10°	826	18,305
10°x30°	814	5,178
10°x60°	810	2,761
10°x90°	808	1,447
30°x10°	816	5,162
30°x30°	802	1,851
30°x60°	778	1,172
30°x90°	783	847
60°x10°	809	3,204
60°x60°	785	581
60°x90°	780	699
90°x90°	767	474
W (120°)	490	N/A
WW	865	4,195

Photometric performance is measured in compliance with IESNA LM 79-08.
*Estimated. Consult website for the latest IES and LDT files.

Optics



Description

The Lumenfacade Nano Colour Changing is a high-efficiency linear LED luminaire that goes where no facade lighting has gone before. Available in 305 mm, 610 mm, 914 mm or 1219 mm sections, the Lumenfacade Nano Colour Changing packs all the bells and whistles of the larger members of the Lumenfacade family and can be configured with a wide number of options, including: optics for grazing, floodlighting, or wall washing; RGB, RGBW or RGBA colour mixing; various mounting options, finishes and controls. The Lumenfacade Nano Colour Changing is also available with a unique asymmetric distribution, providing exceptional uniformity and brightness for walls and signage.

Features

Colour and Colour Temperature	Additive RGB, Additive RGB + white 4000K, Additive RGB + amber
Length (nominal)	305 mm, 610 mm, 914 mm, 1219 mm
Optics	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
Options	Corrosion-resistant coating for hostile environments
Power Consumption	13.1 W/m
Warranty	5-year limited warranty

Colours and Colour Temperatures



Controls



Ratings

IP66 IK08

Certifications



Performance

Delivered Output	724 lm (1219 mm fixture, RGB full output, 8° x 8°, DMX/RDM), 868 lm (1219 mm fixture, RGBW full output, 8° x 8°, DMX/RDM), 748 lm (1219 mm fixture, RGBA full output, 8° x 8°, DMX/RDM)
Delivered Intensity	19,566 cd at nadir (1219 mm fixture, RGB full output, 8° x 8°, DMX/RDM), 23,462 cd at nadir (1219 mm fixture, RGBW full output, 8° x 8°, DMX/RDM), 20,211 cd at nadir (1219 mm fixture, RGBA full output, 8° x 8°, DMX/RDM)
Illuminance at Distance	Minimum 1 fc at 46.6 m (1219 mm fixture, RGB full output, 8° x 8°, DMX/RDM), Minimum 1 fc at 51.2 m (1219 mm fixture, RGBW full output, 8° x 8°, DMX/RDM), Minimum 1 fc at 47.5 m (1219 mm fixture, RGBA full output, 8° x 8°, DMX/RDM)
Lumen Maintenance	L70 >90,000 hrs

Physical

Housing Material	Low copper content extruded aluminium
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminium
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	0.64 kg (305 mm), 1.32 kg (610 mm), 2 kg (914 mm), 2.72 kg (1219 mm)

Electrical and control

Voltage	48 VDC
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW, RGBA)
RGB Colour Mixing	12 LEDs per 305 mm (4x Red, 4x Green, 4x Blue)
RGBW Colour Mixing	12 LEDs per 305 mm (3x Red, 3x Green, 3x Blue, 3x White)
RGBA Colour Mixing	12 LEDs per 305 mm (3x Red, 3x Green, 3x Blue, 3x Amber)
Control	DMX/RDM enabled

Environmental

Storage Temperature	-50 °C to 85 °C (device must reach start-up temperature value before operating)
Start-up Temperature	-25 °C to 50 °C
Operating Temperature	-40 °C to 50 °C
Ingress Protection Rating	IP66
Impact Resistance Rating	IK08 (IK09 for 1219 mm fixtures)

Accessories (order separately)

Cables	Lumenfacade Nano Jumper Cable, Trunk Power Cable, Trunk Data Cable
Control Boxes	Low-Voltage Control Box, Low-Voltage Splitter Box
Optical Accessories	Lumenfacade Nano Visor
Control Systems	Lumentouch 2.0™, Lumentone™ 2 , Lumencue, Pharos® kit
Diagnostic and Addressing Tools	LumenID

Optical option installation details

HFR - Half-frosted lens



Top view



Front view

- Always position frosted side toward the wall.
- Applicable for 8° x 8°, 10° x 10° or asymmetric wallwash optics only.

WW - Asymmetric wallwash

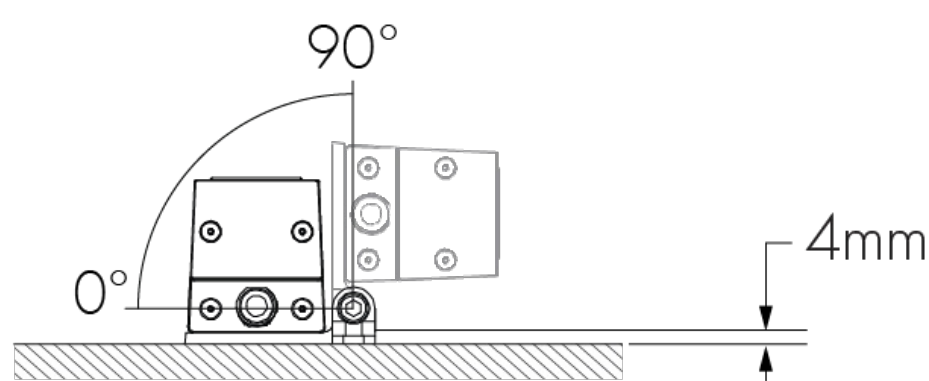
Recommended setback from wall is 1/10 of the wall height.

Example: 0.6 m setback for a 6.1 m wall.

Mounting options

One mounting bracket provided for 305 mm fixtures. Two mounting brackets provided for 610 mm, 914 mm and 1219 mm fixtures. See installation instructions for details.

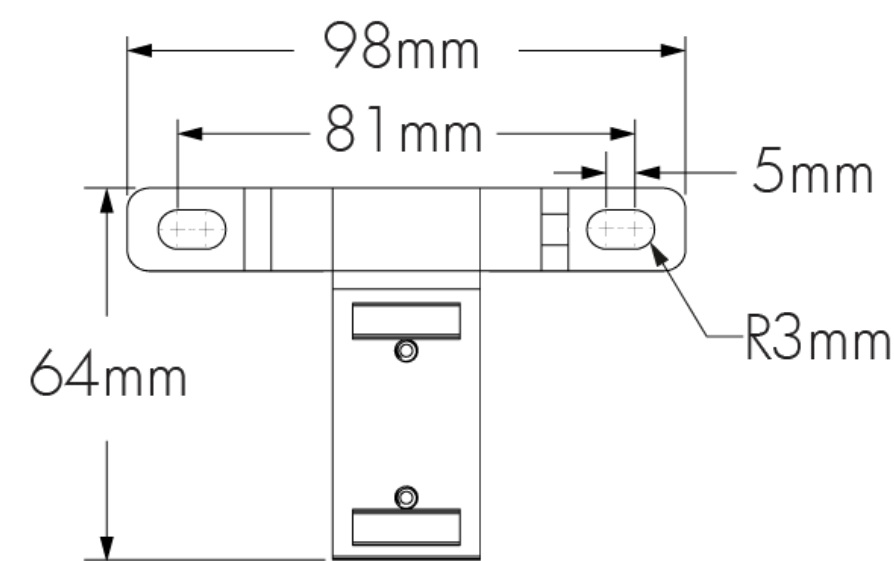
SAMN - Slim Adjustable Mounting Nano



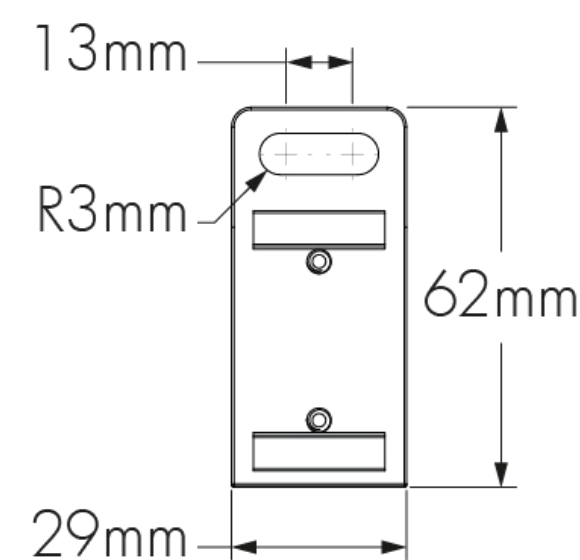
UMPN - Fixed Mounting Nano



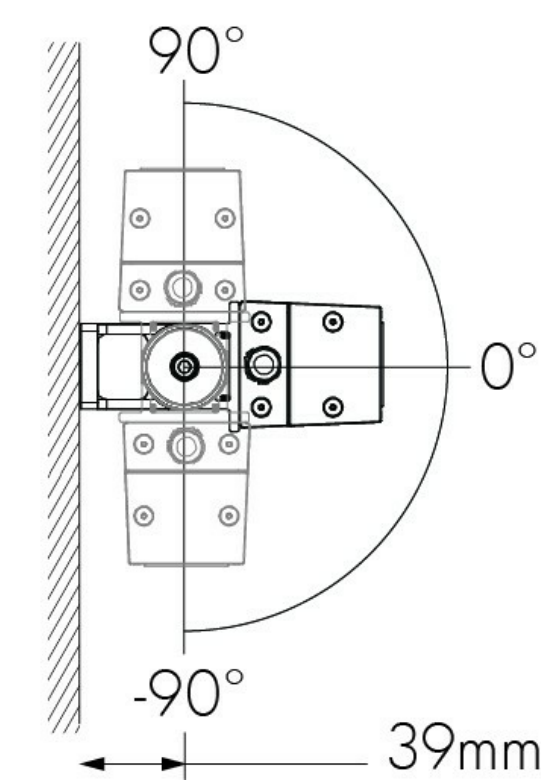
SAMN - Mounting hole pattern



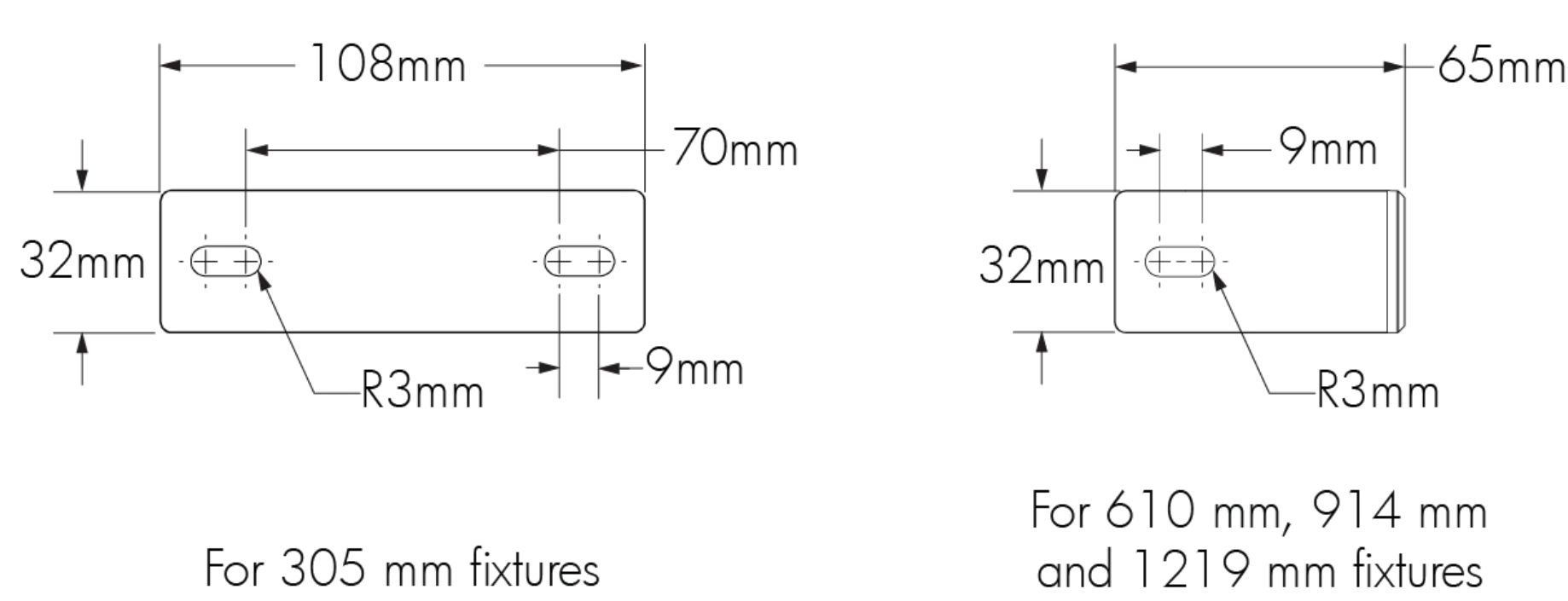
UMPN - Mounting hole pattern



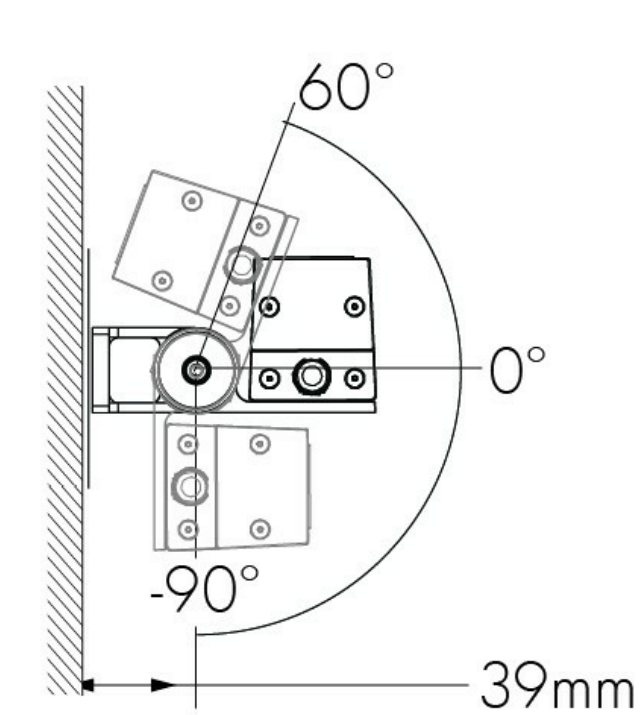
UMASN - Universal Adjustable Mounting Nano



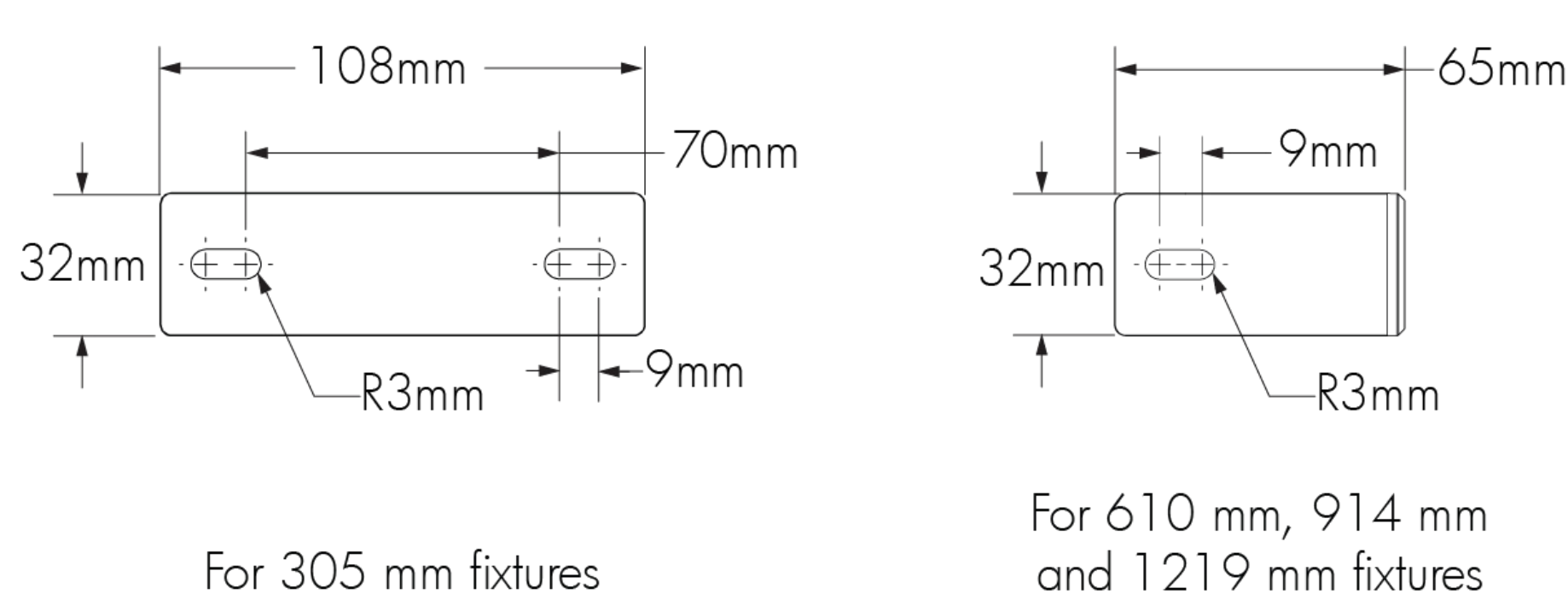
UMASN - Mounting hole pattern



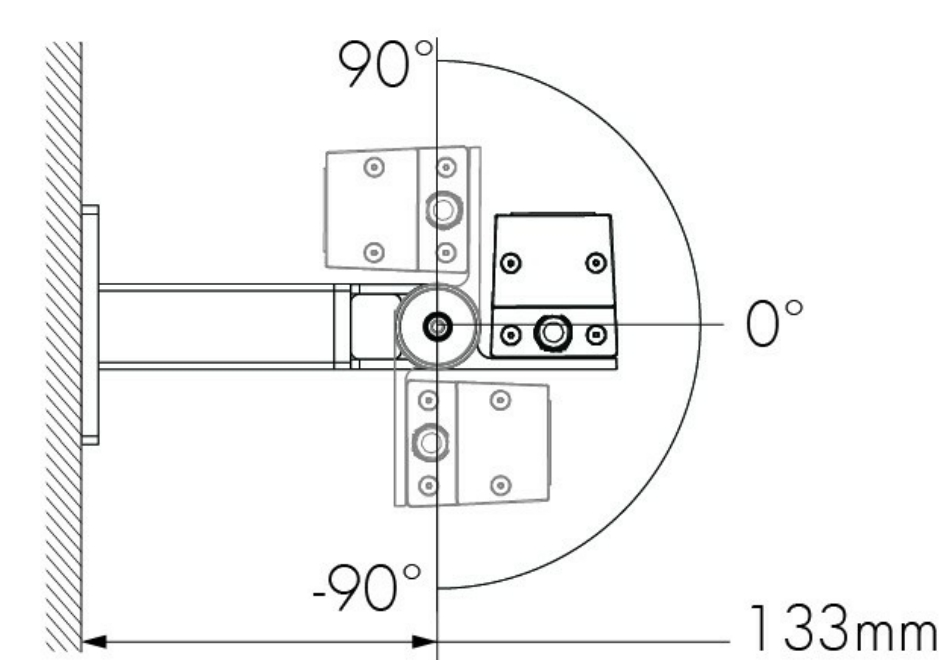
WAMN2 - Adjustable Extended Arm Mounting Nano 51 mm



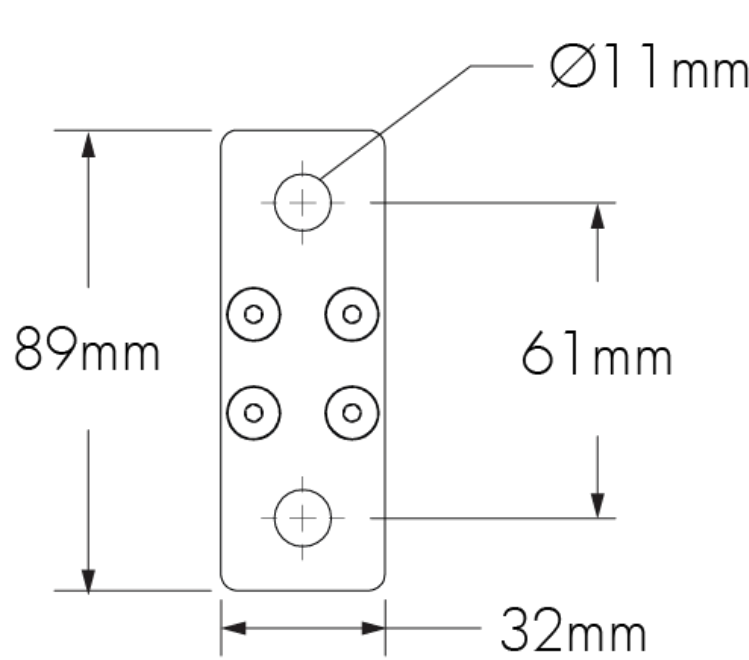
WAMN2 - Mounting hole pattern



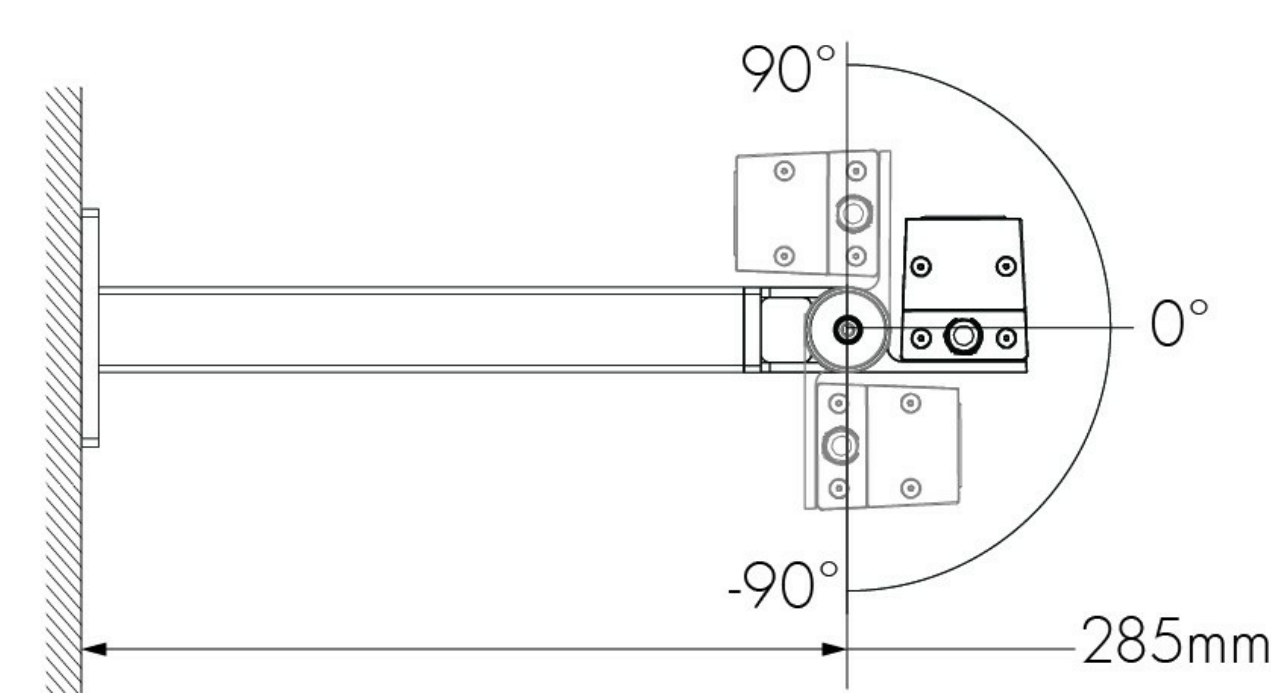
WAMN6 - Adjustable Extended Arm Mounting Nano 152 mm



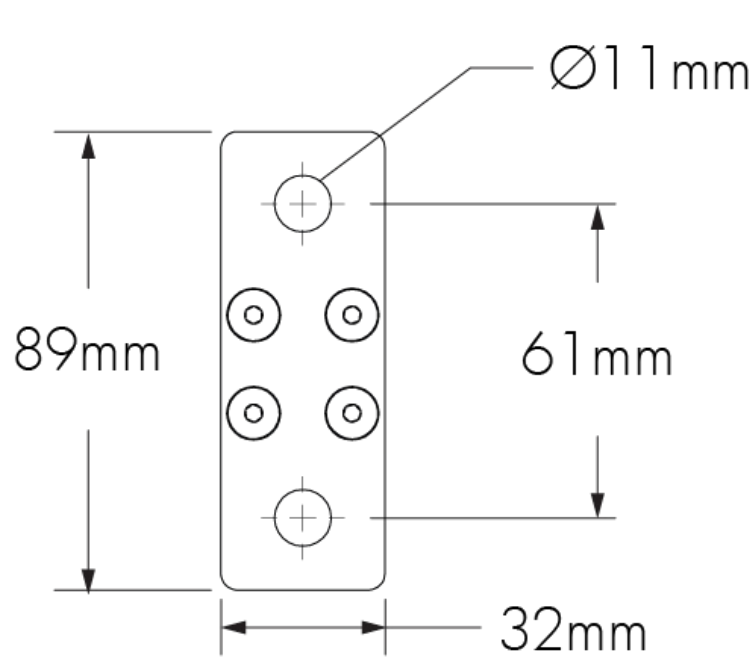
WAMN6 - Mounting hole pattern



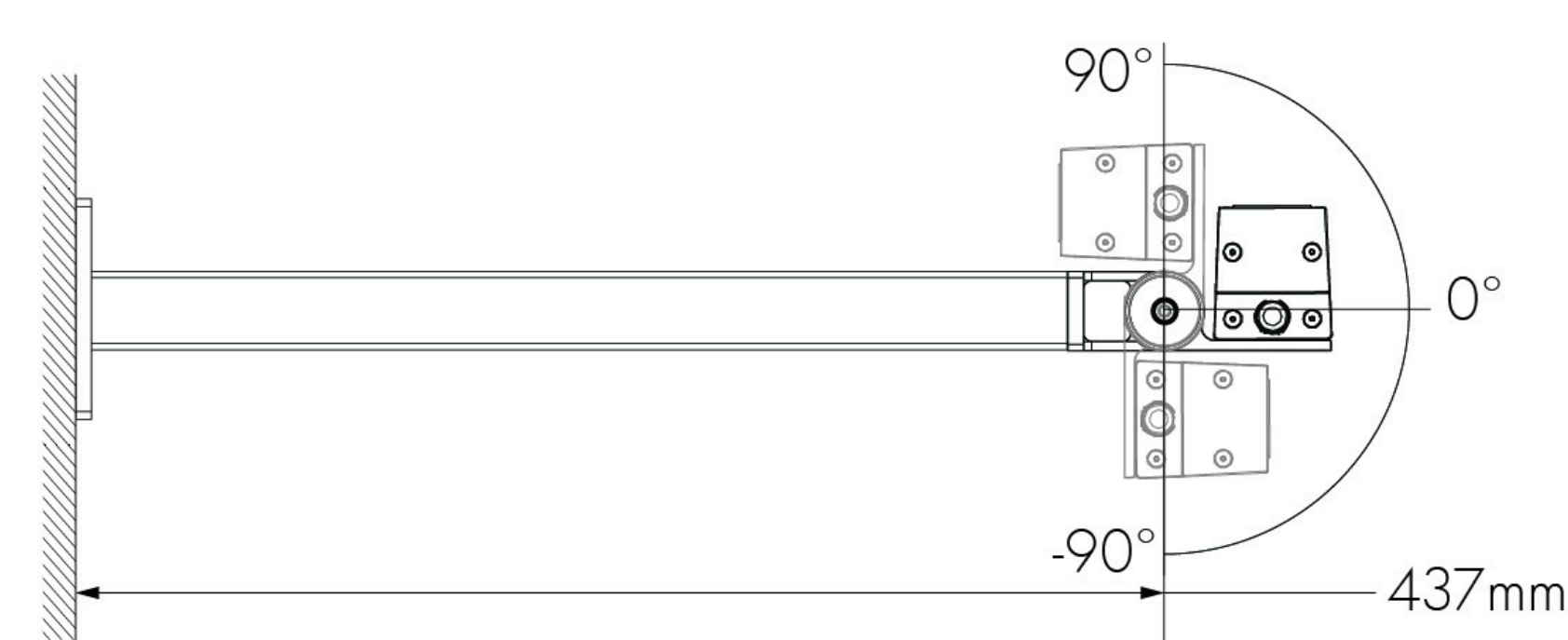
WAMN12 - Adjustable Extended Arm Mounting Nano 305 mm



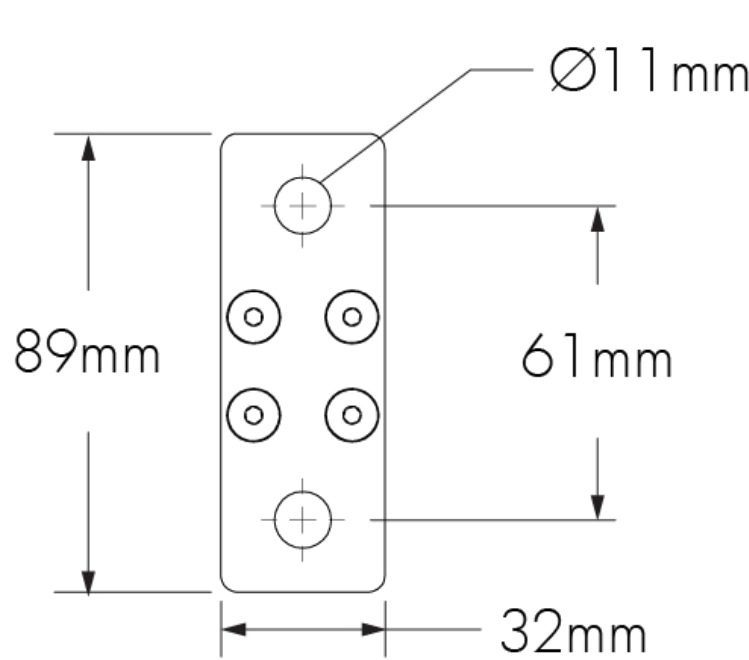
WAMN12 - Mounting hole pattern



WAMN18 - Adjustable Extended Arm Mounting Nano 457 mm

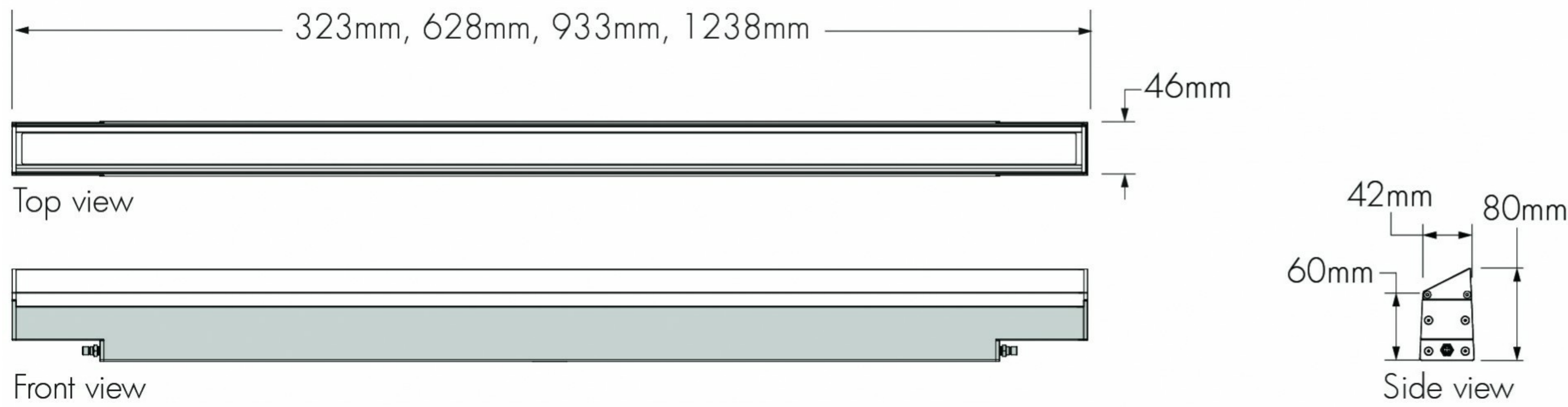


WAMN18 - Mounting hole pattern



Optical accessories (order separately)

LOGNVS - Visor for Lumenfacade Nano



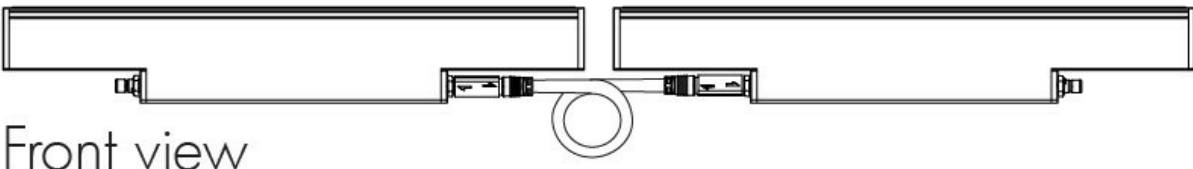
LOGNVS-LENGTH-FINISH-OPTIONS

Please specify:
LENGTH: 305 mm, 610 mm, 914 mm or 1219 mm; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom colour and finish (please specify RAL colour); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments

- The addition of a visor will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° optic.
- Maximum one accessory per fixture. Visors are field installable.

Cables (order separately)

LOGNJC - Jumper cable for Lumenfacade Nano



Front view

For minimal spacing between fixtures, use a 0.3 m jumper cable.

LOGNJC-CERTIFICATION-LENGTH-CABLE COLOUR-OPTION

- Please specify:
- CERTIFICATION:** UL or CE; **LENGTH:** 0.3 m to 9.1 m (available in 0.3 m increments) or 15.2 m; **CABLE COLOUR:** black or white (connectors are the same colour as the specified cable colour); **OPTION:** Master (To identify the jumper cable connecting the LCBX or LSBX to the first Lumenfacade Nano fixture, specify the Master option when ordering master jumper cables. The Master option does not need to be specified for jumper cables connecting Lumenfacade Nano fixtures together.)
 - Suitable for dimming/data and non-dimming applications.
 - Consult Lumenfacade Nano jumper cable specification sheet for details.

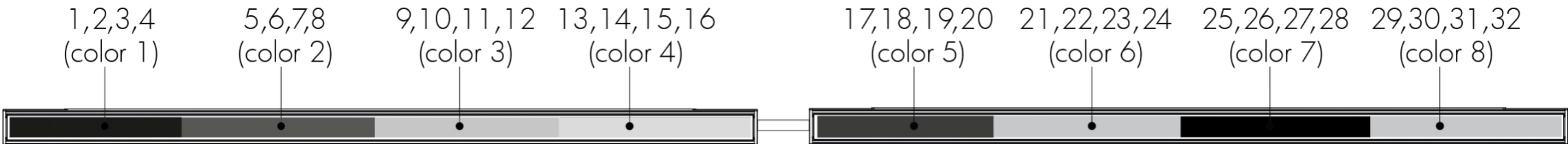
Resolution details

Resolution per foot: each 0.3 m section is addressed independently

DMX addresses:



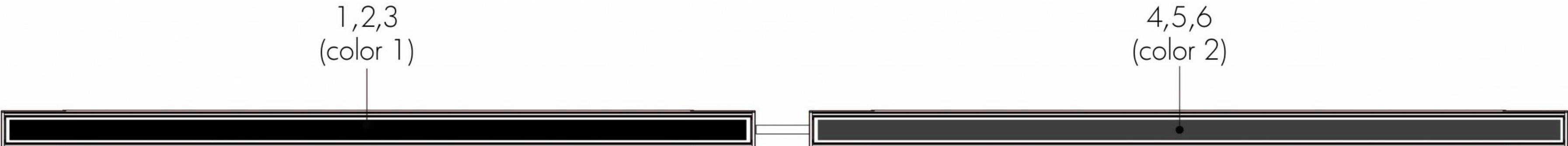
RGB colour mixing option



RGBW, RGBA colour mixing options

Resolution per fixture: each fixture is addressed independently

DMX addresses:



RGB colour mixing option



RGBW, RGBA colour mixing options

- 1219 mm fixtures shown.
- Fixture resolution can be configured on-site within the LumenID V3 software. A DMX/RDM enabled LCBX or LSBX is required.

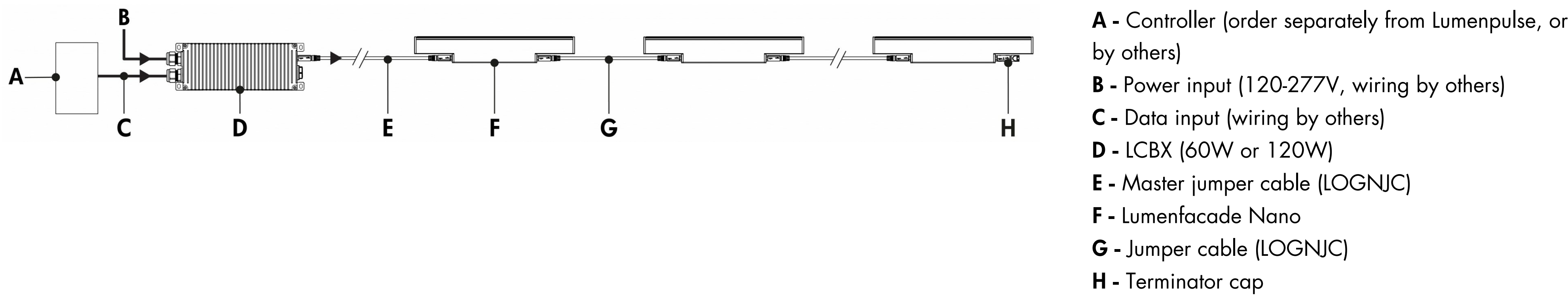
Typical wiring diagrams

DMX/RDM

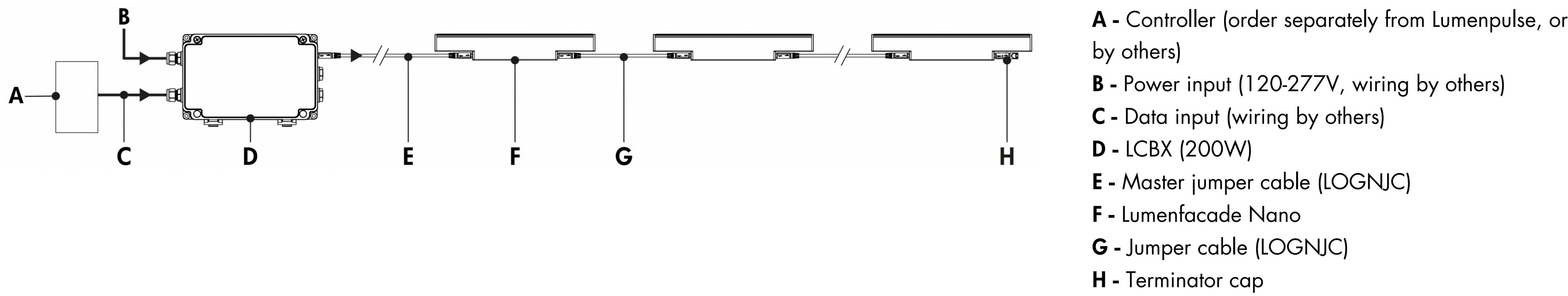
Single unit - LCBX 60W



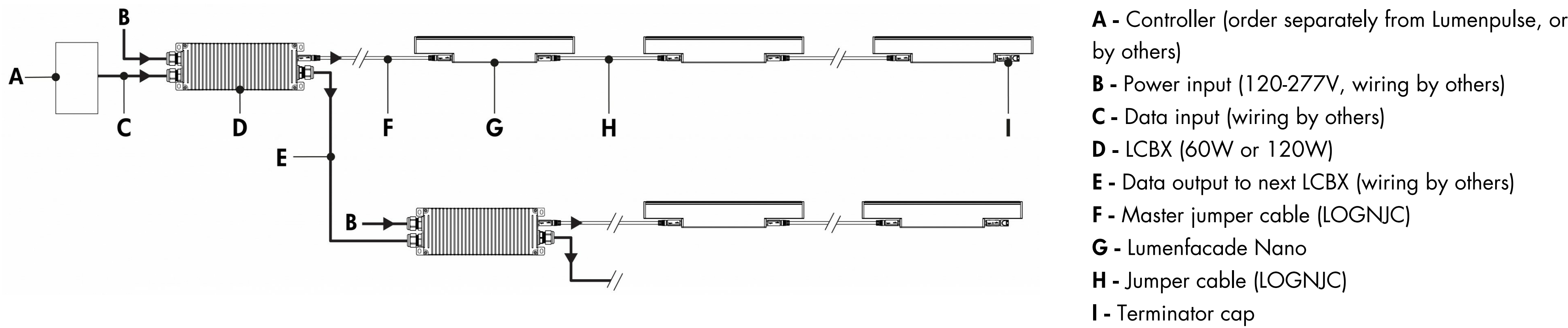
Continuous run - LCBX 60W or 120W



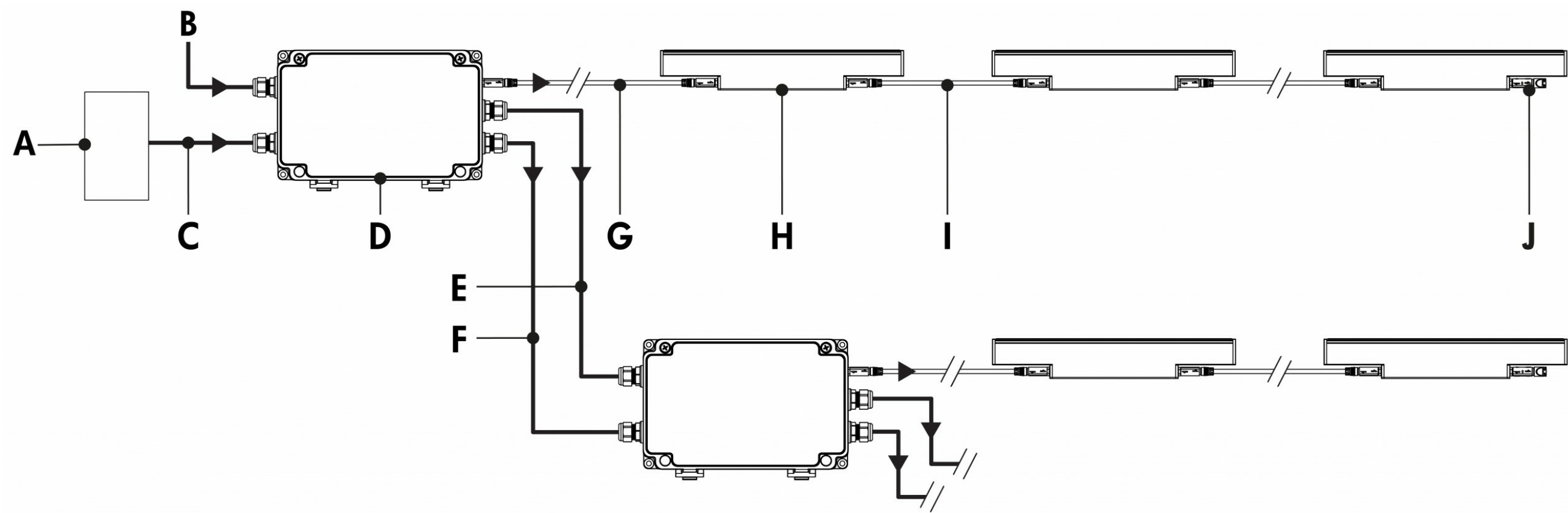
Continuous run - LCBX 200W



Continuous run - Daisy chain
LCBX 60W or 120W



Continuous run - Daisy chain
LCBX 200W

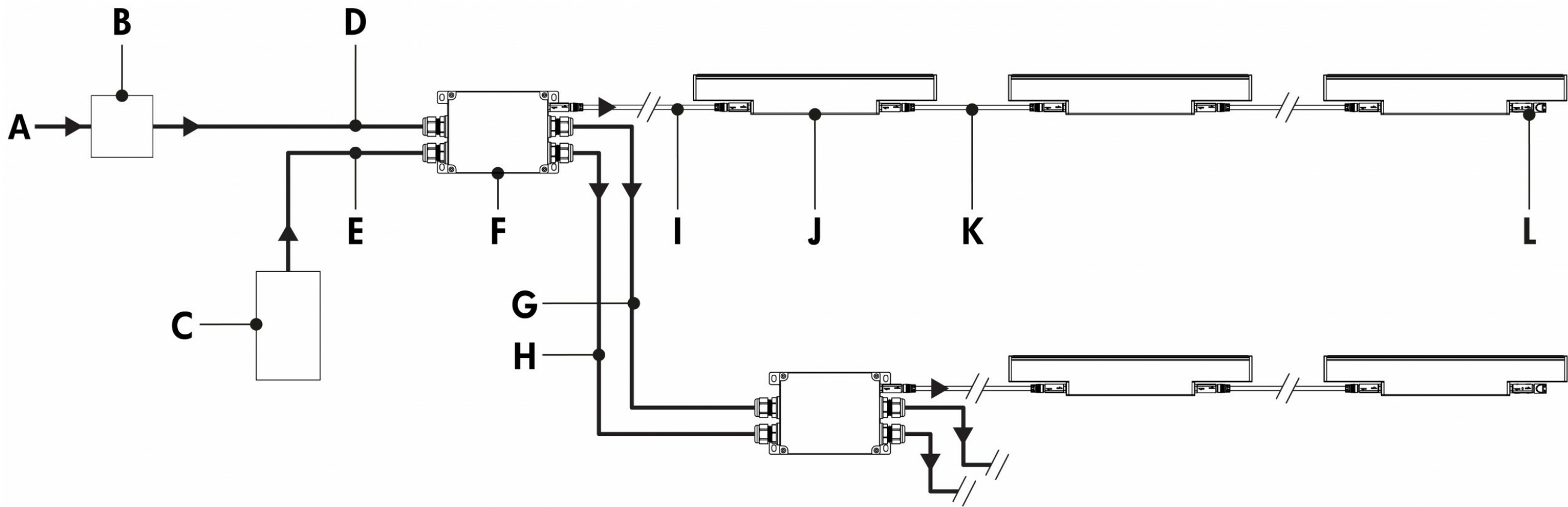


- A** - Controller (order separately from Lumenpulse, or by others)
B - Power input (120-277V, wiring by others)
C - Data input (wiring by others)
D - LCBX (200W)
E - Power output to next LCBX (120-277V, wiring by others)
F - Data output to next LCBX (wiring by others)
G - Master jumper cable (LOGNJC)
H - Lumenfacade Nano
I - Jumper cable (LOGNJC)
J - Terminator cap

Maximum run length per LCBX (Based on a 15 m master jumper cable)	
Configuration	13 W/m
LCBX 60W	3.6 m
LCBX 120W	7.3 m
LCBX 200W	12.2 m

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- For installations of 600W or more, consult factory to select the optimal system: either a daisy chain continuous run system with LCBXs or a trunk system with LSBXs.
- A maximum of 128 DMX/RDM devices on the output port of the LCBX.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- RGB colour mixture option requires 3 DMX channels. RGBW colour mixture option requires 4 DMX channels. RGBA colour mixture option requires 4 DMX channels.
- 13.1 W/m.

Trunk system - LSBX



- A** - Power input (120-277V, wiring by others)
- B** - Power supply (48V, by others)
- C** - Controller (order separately from Lumenpulse, or by others)
- D** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- E** - Data input (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others)
- F** - LSBX
- G** - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others)
- H** - Data output to next LSBX (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others)
- I** - Master jumper cable (LOGNJC)
- J** - Lumenfacade Nano
- K** - Jumper cable (LOGNJC)
- L** - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- For installations of 600W or more, consult factory to select the optimal system: either a daisy chain continuous run system with LCBXs or a trunk system with LSBXs.
- A maximum of 128 DMX/RDM devices on the output port of the LSBX.
- Maximum of 1 output to fixture run per LSBX.
- Consult the LSBX specification sheet for more information.
- Consult factory for power supply recommendations.
- RGB colour mixture option requires 3 DMX channels. RGBW colour mixture option requires 4 DMX channels. RGBA colour mixture option requires 4 DMX channels.
- 13.1 W/m.

Accessories (order separately)

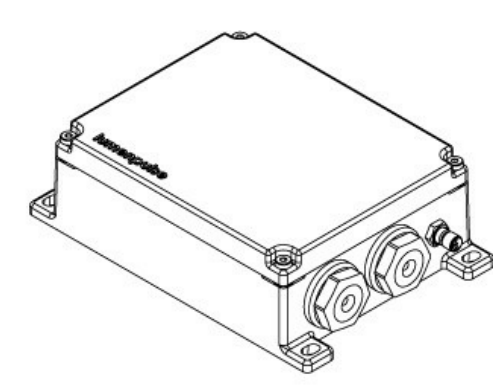
Control Boxes

LCBX-Low-Voltage Control Box



Low-voltage control and power box. One power and data output to fixture, or fixture run. Refer to LCBX specification sheet for details.

LSBX-Low-Voltage Splitter Box



Low-voltage control and power splitter box. One power and data output to fixture run. Refer to LSBX specification sheet for details.

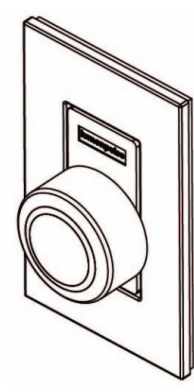
Control Systems

LTO2-Lumentouch 2.0™



Lumentouch is a wall mount DMX 512 controller keypad.

LTN2-Lumentone™ 2



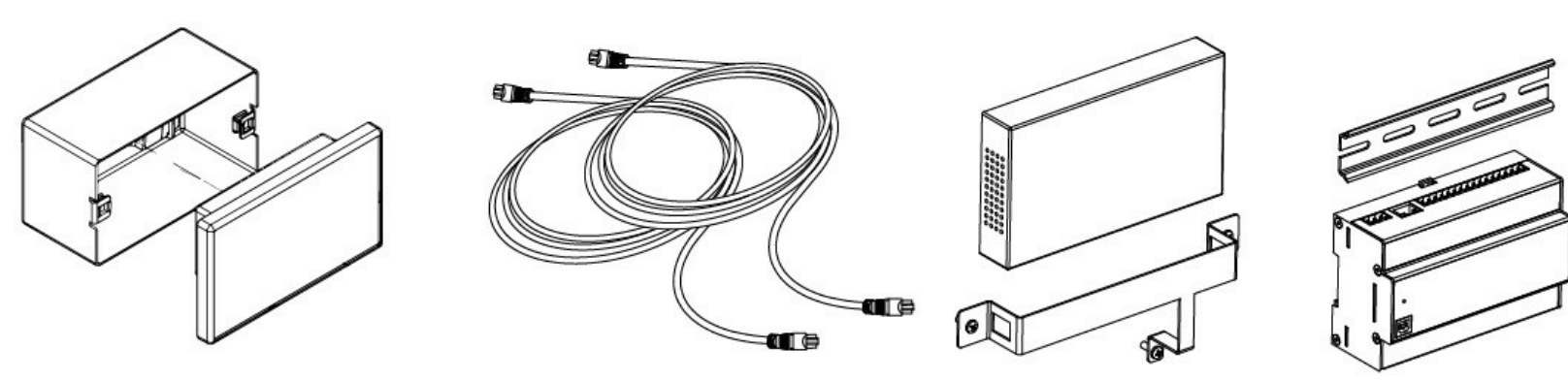
Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

LCU-Lumencue



Lumencue is a USB / mini SD DMX 512 controller.

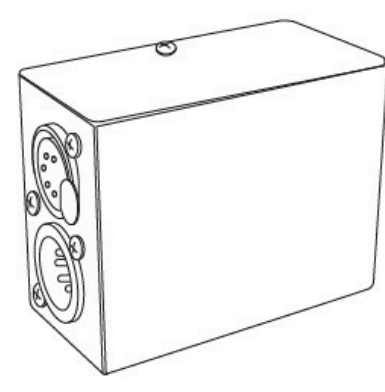
PHAROS-Pharos® kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic and Addressing Tools

LID-LumenID



LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Refer to LID specification sheet for details.

How to order							
1	2	3	4	5	6	7	8
9	10	11	12				

1 . Housing

LOGN	Lumenfacade™ Nano
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3 . Voltage

48V	48 VDC
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5 . Colour and Colour Temperature ⁽¹⁾

RGB	Additive RGB
RGBW	Additive RGB + white 4000K
RGBA	Additive RGB + amber

7 . Lens

CL	Clear lens ⁽²⁾
FR	Frosted lens ⁽³⁾
HFR	Half-frosted lens ⁽⁴⁾

2 . Wattage

4W	13.1 W/m
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4 . Length

12	324 mm (0.64 kg)
24	629 mm (1.32 kg)
36	933 mm (2 kg)
48	1238 mm (2.72 kg)

6 . Optics

8x8	8° x 8°
10x10	10° x 10°
10x30	10° x 30°
10x60	10° x 60°
10x90	10° x 90°
30x10	30° x 10°
30x30	30° x 30°
30x60	30° x 60°
30x90	30° x 90°
60x10	60° x 10°
60x60	60° x 60°
60x90	60° x 90°
90x90	90° x 90
W	Wide 120°
WW	Asymmetric Wallwash

8 . Mounting Options ⁽⁵⁾

SAMN	Slim Adjustable Mounting Nano
UMPN	Fixed Mounting Nano
UMASN	Universal Adjustable Mounting Nano
WAMN2	Adjustable Wall Mounting Nano 51 mm
WAMN6	Adjustable Extended Arm Mounting Nano 152 mm
WAMN12	Adjustable Extended Arm Mounting Nano 305 mm
WAMN18	Adjustable Extended Arm Mounting Nano 457 mm

9 . Finish

BK	Black Sandtex®
BRZ	Bronze Sandtex®
SI	Silver Sandtex®
WH	Smooth white
CC	Custom colour and finish (please specify RAL colour) ⁽⁶⁾

10 . Control

DMX/RDM	DMX/RDM enabled ⁽⁷⁾
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11 . Options

CRC	Corrosion-resistant coating for hostile environments ⁽⁸⁾
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12 . Certification

UL	UL compliant
CE	CE compliant

Notes:

⁽¹⁾ Consult factory for colour mix with Royal Blue, 3000K or other white colour temperature LEDs.

⁽²⁾ Not available for 8x8, 10x10, W or WW optics.

⁽³⁾ Not available for WW optic.

⁽⁴⁾ Available for 8x8, 10x10 or WW optics only.

⁽⁵⁾ One mounting bracket provided for 305 mm fixtures. Two mounting brackets provided for 610 mm, 914 mm and 1219 mm fixtures.

⁽⁶⁾ Lumenpulse offers a wide selection of RAL CLASSIC (K7) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.

⁽⁷⁾ A Low-Voltage Control Box (LCBX) or Low-Voltage Splitter Box (LSBX) and LumenID (LID) must be specified.

⁽⁸⁾ Use only when exposed to salt spray and harsh chemicals. This option is not required for normal outdoor exposure.