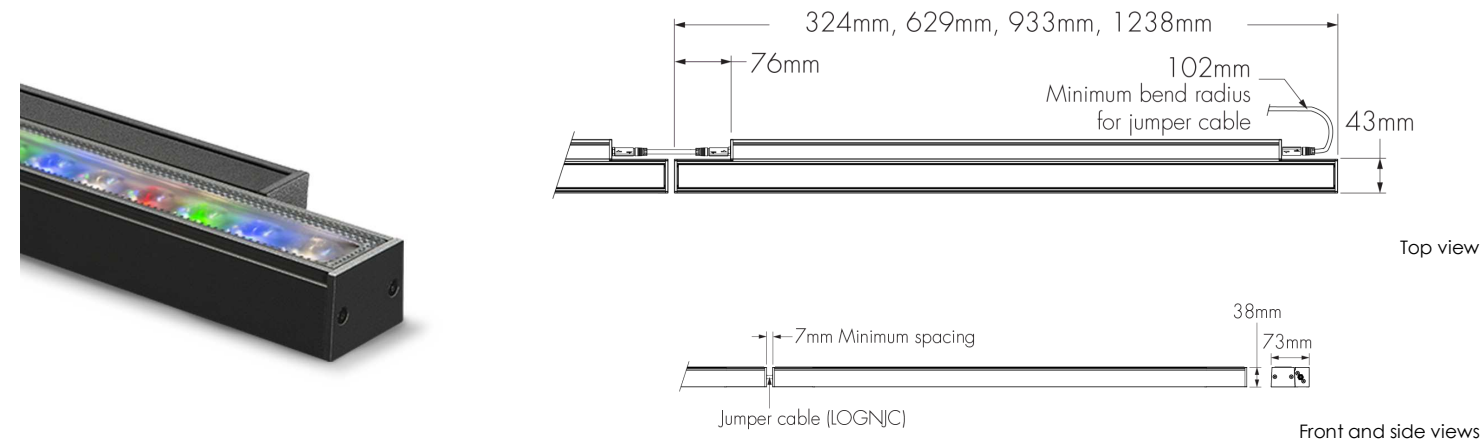


Project Name

Qty

Type

Catalog / Part Number



Photometric Summary (26.24 W/m)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,538	41,559
10°x10°	1,487	32,423
10°x30°	1,442	9,172
10°x60°	1,434	4,891
10°x90°	1,437	2,564
30°x10°	1,446	9,143
30°x30°	1,558	3,598
30°x60°	1,511	2,276
30°x90°	1,522	1,645
60°x10°	1,433	4,981
60°x60°	1,526	1,128
60°x90°	1,516	1,358
90°x90°	1,491	922
W (120°)	867	426
WW	1,532	7,430

Based on RGBW40K full output, 4ft [1219mm], UCTL control configuration.
Photometric performance is measured in compliance with IESNA LM-79-08.

Description

The Lumenfacade Nano Horizontal Interior Colour Changing is a high-efficiency linear LED luminaire with a slim profile that makes it easy to conceal and integrate into architectural facades. Available in 305 mm, 610 mm, 914 mm or 1219 mm sections, the Lumenfacade Nano Horizontal Interior Colour Changing 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; as well as Legacy or Custom output modes.

Features

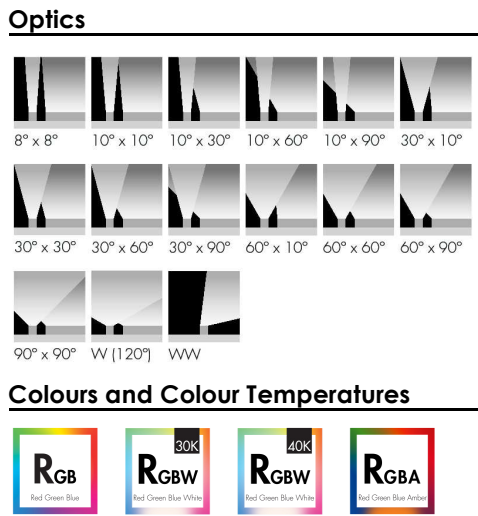
Colour and Colour Temperature	RGB, RGB + White 3000K, RGB + White 4000K, RGB + Amber
Optics	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
Option	3G ANSI C136.31-2010 Vibration Rating for Bridge Applications
Power Consumption	13.12 W/m, 26.24 W/m
Warranty	5-year limited warranty

Performance

Maximum Delivered Output

895 lm (1219 mm fixture, RGB 13.12 W/m, full output, 8° x 8°, UCTL control)
1,408 lm (1219 mm fixture, RGB 26.24 W/m, full output, 8° x 8°, UCTL control)
986 lm (1219 mm fixture, RGBW30K 13.12 W/m, full output, 8° x 8°, UCTL control)
1,507 lm (1219 mm fixture, RGBW30K 26.24 W/m, full output, 8° x 8°, UCTL control)
1,006 lm (1219 mm fixture, RGBW40K 13.12 W/m, full output, 8° x 8°, UCTL control)
1,538 lm (1219 mm fixture, RGBW40K 26.24 W/m, full output, 8° x 8°, UCTL control)
878 lm (1219 mm fixture, RGBA 13.12 W/m, full output, 8° x 8°, UCTL control)
1,339 lm (1219 mm fixture, RGBA 26.24 W/m, full output, 8° x 8°, UCTL control)

Optics



Colours and Colour Temperatures

Controls

UCTL

Ratings

IP20 IK08

Certifications



Maximum Delivered Intensity	24,186 cd at nadir (1219 mm fixture, RGB 13.12 W/m, full output , 8°x8°, UCTL control) 38,044 cd at nadir (1219 mm fixture, RGB 26.24 W/m, full output , 8°x8°, UCTL control) 26,643 cd at nadir (1219 mm fixture, RGBW30K 13.12 W/m, full output , 8°x8°, UCTL control) 40,732 cd at nadir (1219 mm fixture, RGBW30K 26.24 W/m, full output , 8°x8°, UCTL control) 27,187 cd at nadir (1219 mm fixture, RGBW40K 13.12 W/m, full output , 8°x8°, UCTL control) 41,559 cd at nadir (1219 mm fixture, RGBW40K 26.24 W/m, full output , 8°x8°, UCTL) 23,722 cd at nadir (1219 mm fixture, RGBA 13.12 W/m, full output, 8°x8°, UCTL control) 36,183 cd at nadir (1219 mm fixture, RGBA 26.24 W/m, full output , 8°x8°, UCTL control)
Illuminance at Distance	Minimum 1 lx at 156 m (1219 mm fixture, RGB 13.12 W/m, full output, 8°x8°, UCTL control) Minimum 1 lx at 195 m (1219 mm fixture, RGB 26.24 W/m, full output, 8°x8°, UCTL control) Minimum 1 lx at 163 m (1219 mm fixture, RGBW30K 13.12 W/m, full output, 8°x8°, UCTL control) Minimum 1 lx at 202 m (1219 mm fixture, RGBW30K 26.24 W/m, full output, 8°x8°, UCTL control) Minimum 1 lx at 165 m (1219 mm fixture, RGBW40K 26.2 W/m, full output, 8°x8°, UCTL control) Minimum 1 lx at 204 m (1219 mm fixture, RGBW40K 26.24 W/m full output, 8°x8°, UCTL control) Minimum 1 lx at 154 m (1219 mm fixture, RGBA 13.12 W/m, full output, 8° x 8°, UCTL control) Minimum 1 lx at 190 m (1219 mm fixture, RGBA 26.24 W/m, full output, 8°x8°, UCTL control)
Lumen Maintenance	L70 B50 >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
Surface Finish	Electrostatically applied polyester powder coat
Weight	0.68 kg (305 mm) 1.45 kg (610 mm) 2.18 kg (914 mm) 2.95 kg (1219 mm)
Electrical and Control	
Voltage	48 VDC
Inrush Current (Peak)	LCBX 60W: 20A @277VAC LCBX 120W: 40A @277VAC LCBX 200W: 75A @230VAC
Resolution (DMX/RDM)	Per foot or per fixture (configured with LumenID V3 software), 8-bit or 16-bit, 3 channels (RGB) or 4 channels (RGBW30K, RGBW40K and RGBA)
RGB Colour Mixing	12 LEDs per 305 mm (4x Red, 4x Green, 4x Blue)
RGBW30K Colour Mixing	12 LEDs per 305 mm (3x Red, 3x Green, 3x Blue, 3x White 3000K)
RGBW40K Colour Mixing	12 LEDs per 305 mm (3x Red, 3x Green, 3x Blue, 3x White 4000K)

RGBA Colour Mixing	12 LEDs per 305 mm (3x Red, 3x Green, 3x Blue, 3x Amber)
Control	Universal control (compatible with DMX/RDM or DALI-2 Type 8 systems)

Environmental

Storage Temperature	-40 °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	IP20
Impact Resistance Rating	IK08 (IK09 for 1219 mm fixtures)

Accessories (Order Separately)

Cables	Lumenfacade Nano Jumper Cable (LOGNJC), Trunk Power Cable (TKPWR), Trunk Data Cable (TKDMX), Lumenfacade Nano Jumper Cable Joiner (LOGNJC-JOINER)
Control Boxes	Low-Voltage Control Box (LCBX), Low-Voltage Splitter Box (LSBX)
Remote Power Supply	Large Power Supply (LGPSU)
Optical Accessories	Lumenfacade Nano Visor (LOGNVS)
Control Systems	Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

Photometric Information

13.12 W/m (RGBW40K)

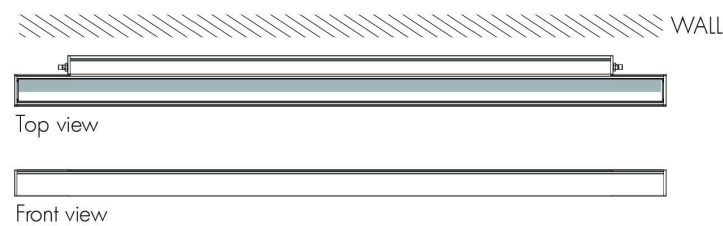
	Delivered output (lm)	Intensity (peak cd)
8°x8°	863	23,323
10°x10°	835	18,196
10°x30°	809	5,147
10°x60°	805	2,745
10°x90°	807	1,439
30°x10°	812	5,131
30°x30°	875	2,021
30°x60°	849	1,279
30°x90°	855	924
60°x10°	804	3,185
60°x60°	857	634
60°x90°	852	763
90°x90°	837	518
W (120°)	487	239
WW	860	4,170

Based on RGBW40K full output, 1.2 m, UCTL control configuration.

Photometric performance is measured in compliance with IESNA LM 79-08.

Optical Option Installation Details

HFR - Half-Frosted Lens

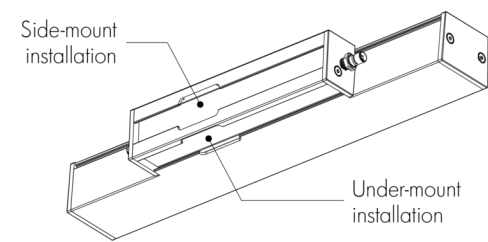


- Always position frosted side toward the wall.
- Applicable for 8° x 8°, 10° x 10° or asymmetric wallwash optics only.

WW - Asymmetric Wallwash

Recommended setback from wall is 1/10 of the wall height.
 Example: 0.6 m setback for a 6 m wall.

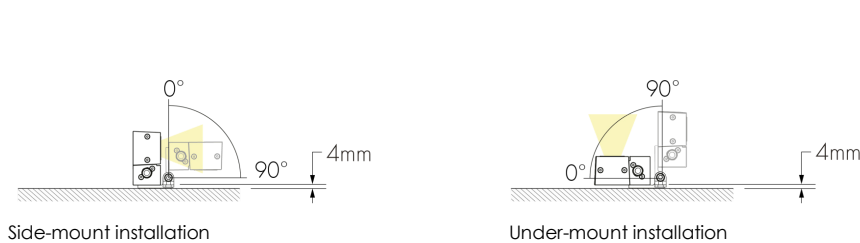
Mounting Points



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.

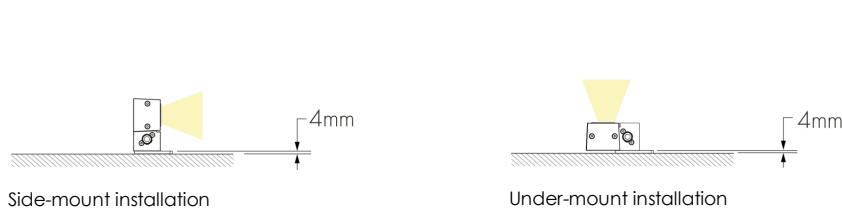
SAMNH - Slim Adjustable Mounting Nano Horizontal



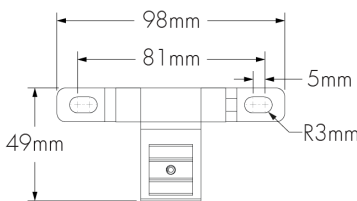
Not suitable when fixture is exposed to wind.

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.

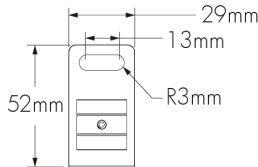
UMPNH - Fixed Mounting Nano Horizontal



SAMNH - Mounting Hole Pattern



UMPNH - Mounting Hole Pattern

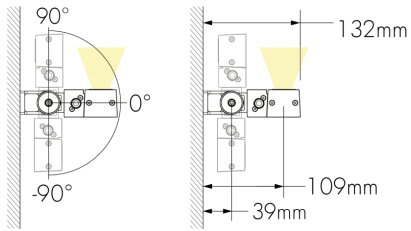


Lumenfacade Nano

Horizontal Interior
LOGNHI

COLOUR CHANGING

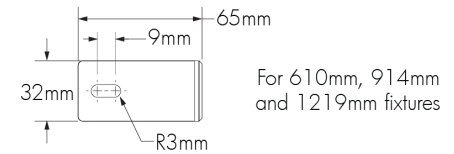
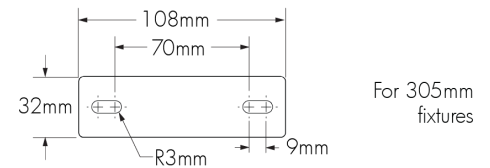
UMASNH - Universal Adjustable Mounting Nano



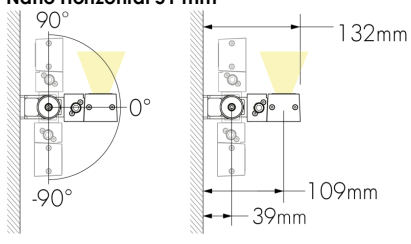
Side-mount installation

Under-mount installation

UMASNH - Mounting Hole Pattern



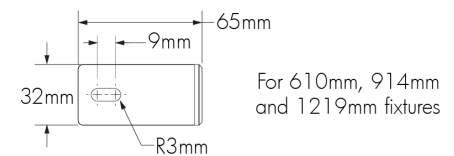
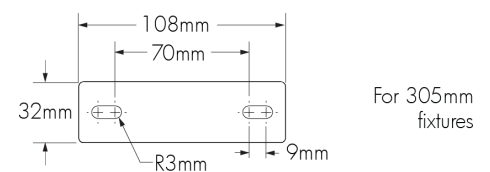
WAMNH2 - Adjustable Extended Arm Mounting
Nano Horizontal 51 mm



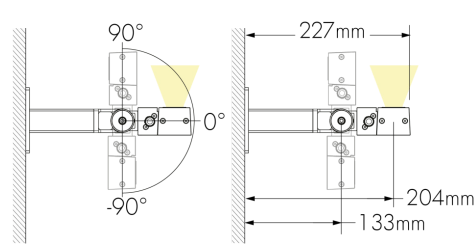
Side-mount installation

Under-mount installation

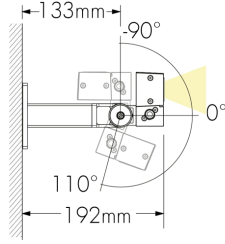
WAMNH2 - Mounting Hole Pattern



WAMNH6 - Adjustable Extended Arm Mounting
Nano Horizontal 152 mm

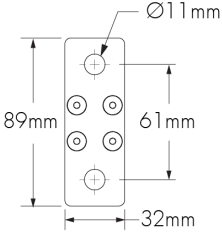


Side-mount installation

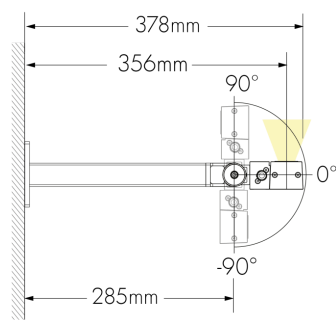


Under-mount installation

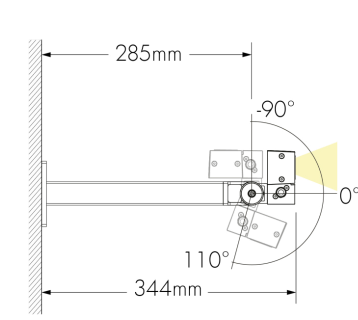
WAMNH6 - Mounting Hole Pattern



WAMNH12 - Adjustable Extended Arm Mounting
Nano Horizontal 305 mm

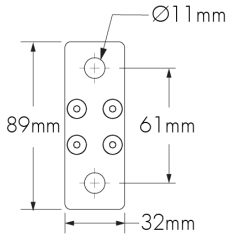


Side-mount installation

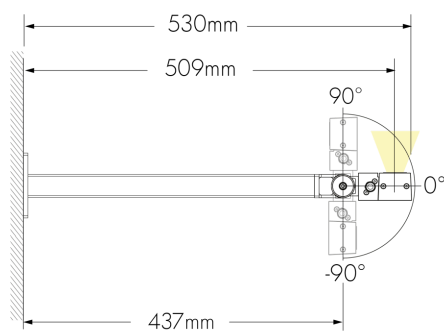


Under-mount installation

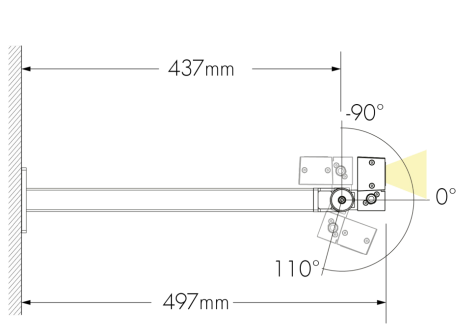
WAMNH12 - Mounting Hole Pattern



WAMNH18 - Adjustable Extended Arm Mounting
Nano Horizontal 457 mm

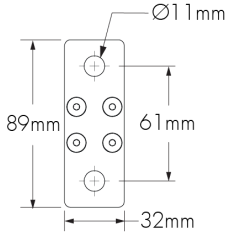


Side-mount installation

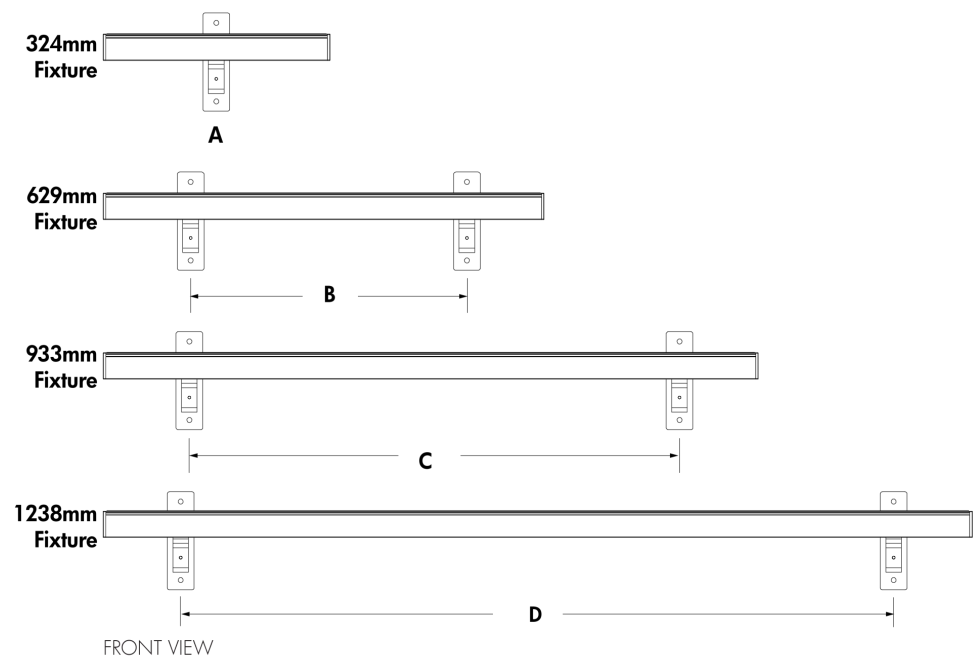


Under-mount installation

WAMNH18 - Mounting Hole pattern



Mounting Bracket Placement (Minimum and Maximum Distances)

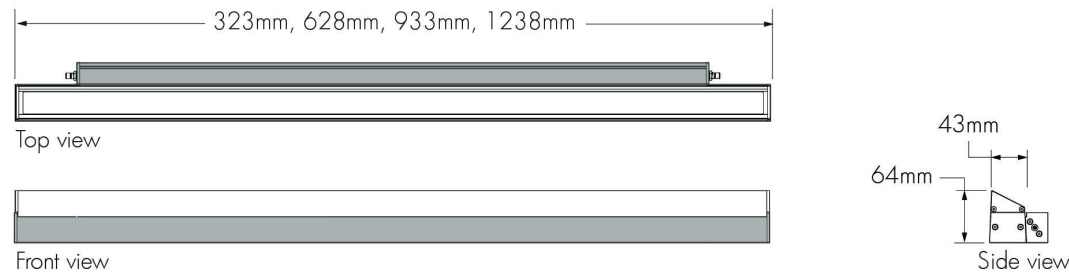


- A - Bracket in the centre of the fixture
 - B - Minimum 356 mm to maximum 406 mm
 - C - Minimum 660 mm to maximum 711 mm
 - D - Minimum 978 mm to maximum 1029 mm
- LOGNH with bracket WAMNH28 shown

The mounting bracket(s) to be centred on fixture and as symmetrical as possible. Distances must be respected for all installations.

Optical Accessories (Order Separately)

LOGNVS - Visor For Lumenfacade Nano



LOGNVS-LENGTH-FINISH-OPTIONS

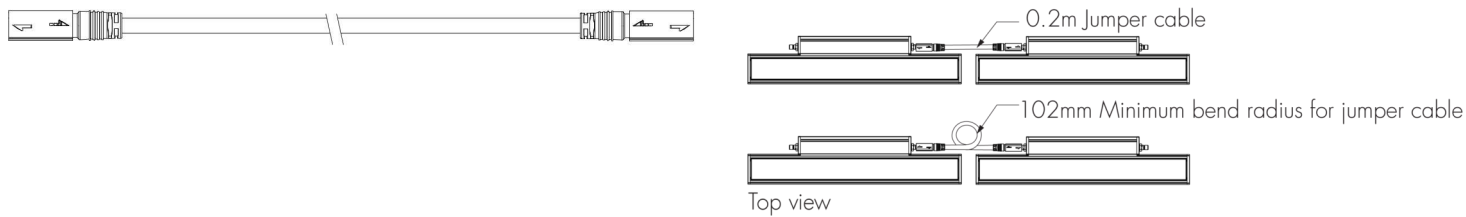
Please specify:

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.
- CRC option is not available for indoor applications.
- Maximum one accessory per fixture. Visors are field installable.

Cables (Order Separately)

LOGNJC - Jumper Cable For Lumenfacade Nano



LOGNJC-CERTIFICATION-LENGTH-CABLE COLOUR

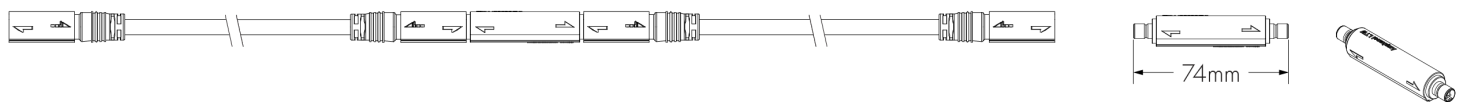
Please specify:

CERTIFICATION: UL or CE; **LENGTH:** 0.15 m, 0.3 m to 9 m (available in 0.3 m increments), 10 m or 15 m; **CABLE COLOUR:** black or white (connectors are the same colour as the specified cable colour).

- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade Nano Jumper Cable specification sheet for all available cable lengths and additional information.

Joiner (Order Separately)

LOGNJC-JOINER - Joiner For Lumenfacade Nano Jumper Cable

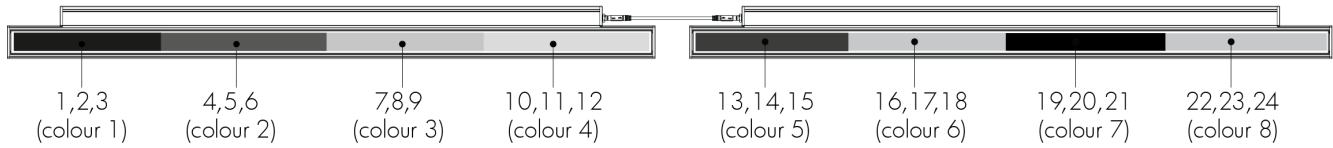


- Use joiners to connect and lengthen jumper cables.
- Joiners add voltage drops. Consult factory to confirm impact on run length.
- Available in black.

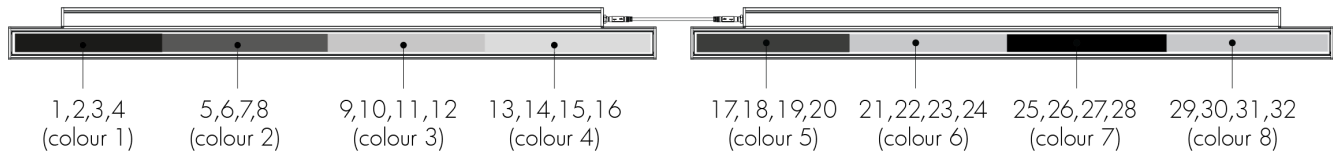
Resolution Details

DMX/RDM Control, Resolution Per Foot: Each 305 mm Section is Addressed Independently

DMX Addresses:



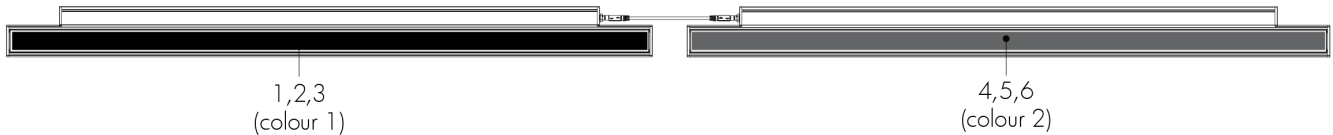
UCTL control option, RGB colour mixing option.



UCTL control option, RGBW30K, RGBW40K and RGBA colour mixing options.

DMX/RDM Control, Resolution Per Fixture: Each Fixture is Addressed Independently

DMX Addresses:



UCTL control option, RGB colour mixing option.



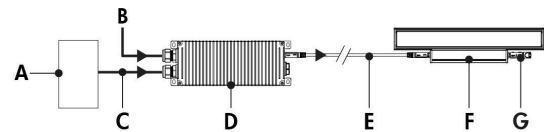
UCTL control option, RGBW30K, RGBW40K and RGBA colour mixing options.

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

Typical Wiring Diagrams

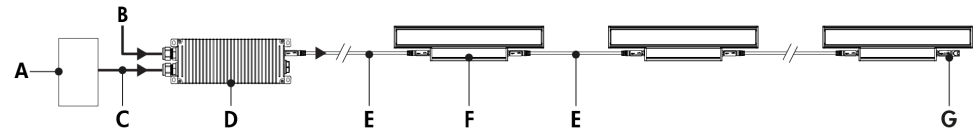
UCTL - Universal Control

Single Unit - LCBX 60W



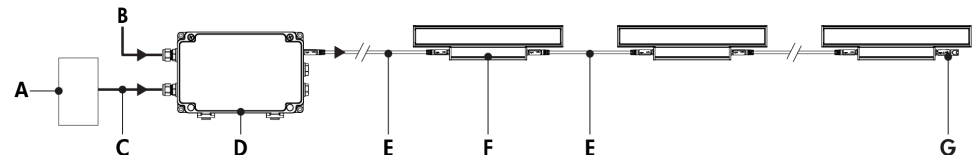
- A - Controller (order separately from Lumenpulse, or by others)
- B - Power input (120-277V, wiring by others)
- C - Data input (wiring by others)
- D - LCBX (60W)
- E - Jumper cable (LOGNJC)
- F - Lumenfacade Nano Horizontal Interior
- G - Terminator cap

Continuous Run - LCBX 60W or 120W



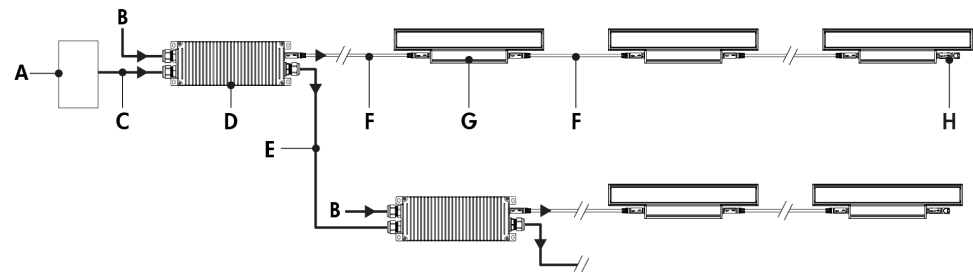
- A - Controller (order separately from Lumenpulse, or by others)
- B - Power input (120-277V, wiring by others)
- C - Data input (wiring by others)
- D - LCBX (60W or 120W)
- E - Jumper cable (LOGNJC)
- F - Lumenfacade Nano Horizontal Interior
- G - Terminator cap

Continuous Run - LCBX 200W



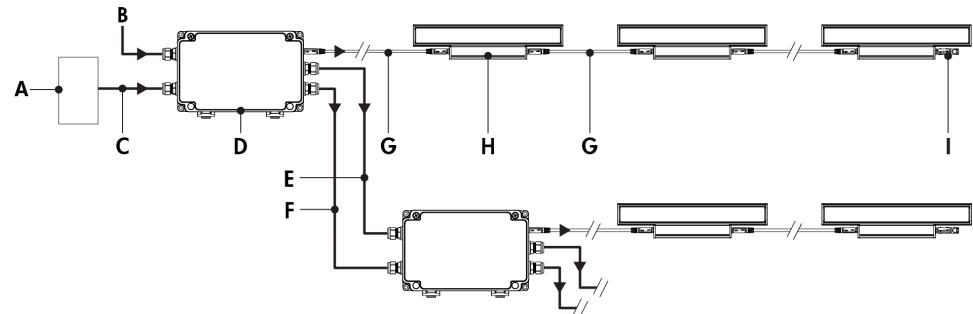
- A - Controller (order separately from Lumenpulse, or by others)
- B - Power input (120-277V, wiring by others)
- C - Data input (wiring by others)
- D - LCBX (200W)
- E - Jumper cable (LOGNJC)
- F - Lumenfacade Nano Horizontal Interior
- G - Terminator cap

Continuous Run - Daisy Chain
LCBX 60W or 120W



- 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 (60W or 120W)
- E - Data output to next LCBX (wiring by others)
- F - Jumper cable (LOGNJC)
- G - Lumenfacade Nano Horizontal Interior
- H - Terminator cap

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 - Jumper cable (LOGNJC)
- H - Lumenfacade Nano Horizontal Interior
- I - Terminator cap

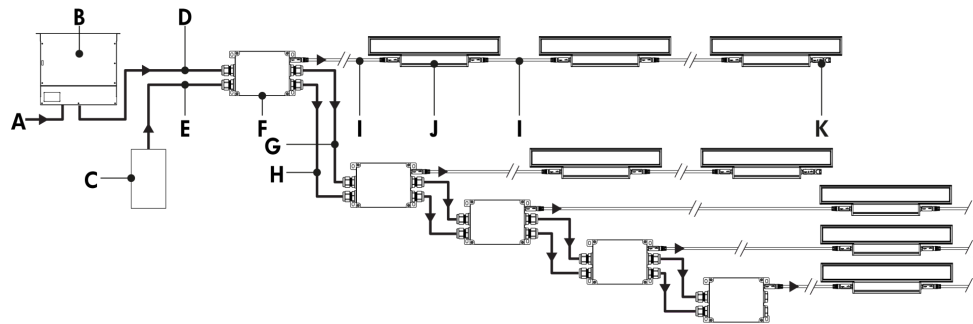
Maximum Run of Fixtures - Lumenfacade Nano® LOGNHI Colour Changing

3m Jumper Cable			
Wattage		13.12W/m	26.24W/m
Maximum Run of Fixtures per LCBX 60W		3.9m	1.8m
Maximum Run of Fixtures per LCBX 120W		7.6m	3.9m
Maximum Run of Fixtures per LCBX 200W		13.7m*	6.7m
7.6m Jumper Cable			
Wattage		13.12W/m	26.24W/m
Maximum Run of Fixtures per LCBX 60W		3.9m	1.8m
Maximum Run of Fixtures per LCBX 120W		7.6m	3.9m
Maximum Run of Fixtures per LCBX 200W		13.7m*	6.7m
15.2m Jumper Cable			
Wattage		13.12W/m	26.24W/m
Maximum Run of Fixtures per LCBX 60W		3.9m	1.8m
Maximum Run of Fixtures per LCBX 120W		7.6m	3.9m
Maximum Run of Fixtures per LCBX 200W		13.7m*	6.7m

*Example: 13.12W/m = 13.7m maximum run of end to end fixtures per LCBX 200W.
(11 fixtures maximum for 1238mm LOGNHI 13.12W/m, 45 fixtures maximum for 324mm LOGNHI 13.12W/m).
Consult factory for system validation prior to quoting and ordering.

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- 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. RGBW30K and RGBW40K colour mixture options require 4 DMX channels. RGBA colour mixture option requires 4 DMX channels.
- Fixtures can be controlled via a DMX/RDM or DALI controller.
- For DALI-2 Type 8 applications: The LCBX responds to RGBWAF control.
- 4W version: 13.12 W/m, 8W version: 26.24 W/m.

Trunk System - LSBX

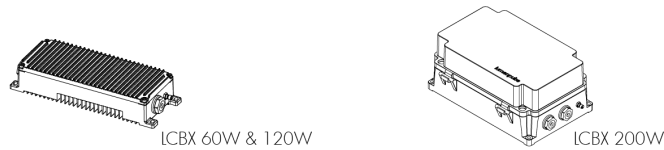


- A** - Power input (120-277V, wiring by others)
- B** - Large Power supply (LGPSU) (order separately from Lumenpulse)
- C** - Controller (order separately from Lumenpulse, or by others)
- D** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
- E** - Data input (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others. Refer to LSBX specification sheet for details)
- F** - LSBX
- G** - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
- H** - Data output to next LSBX (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others. Refer to LSBX specification sheet for details)
- I** - Jumper cable (LOGNJC)
- J** - Lumenfacade Nano Horizontal Interior
- K** - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture run per LSBX.
- The LSBX has a maximum of 200W for output to fixtures. Consult the LSBX specification sheet for more information.
- The Large Power Supply (LGPSU) has a maximum of 1000W (120V) or 1200W (277V). Consult LGPSU specification sheet for more information.
- RGB colour mixture option requires 3 DMX channels. RGBW30K and RGBW40K colour mixture options require 4 DMX channels. RGBA colour mixture option requires 4 DMX channels.
- 4W version:13.12 W/m, 8W version: 26.24 W/m.

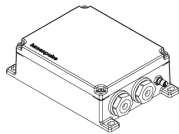
Control Boxes (Order Separately)

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.

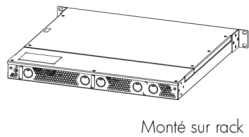
LSBX - Low-Voltage Splitter Box



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

Remote Power Supply (Order Separately)

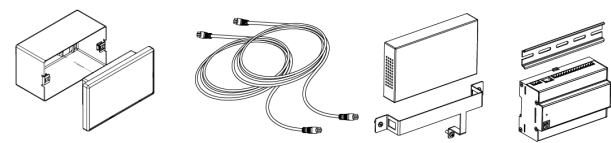
LGPSU - Large Power Supply



Indoor rack-mounted 1.2KW power supply allows for scalable DMX/RDM controlled Lumenfacade Nano systems. Wall Mount version coming soon, consult factory for details.

Control Systems (Order Separately)

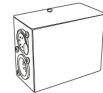
PHAROS - Pharos® Kit



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 (Order Separately)

LID - LumenID



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

How to Order

Housing	Wattage	Voltage	Length	Colour and Colour Temperature	Optic
LOGNHI Lumenfacade™ Nano Horizontal Interior	4W 13.12 W/m 8W 26.24 W/m	48V 48 VDC	12 324 mm (0.64 kg)	RGB RGB	8x8 8° x 8°
			24 629 mm (1.32 kg)	RGBW30K RGB + White 3000K ⁽¹⁾	10x10 10° x 10°
			36 933 mm (2 kg)	RGBW40K RGB + White 4000K ⁽¹⁾	10x30 10° x 30°
			48 1238 mm (2.72 kg)	RGBA RGB + Amber	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° ⁽²⁾
					WW Asymmetric Wallwash

Notes:

1. 2700K, 3500K and Royal Blue available, consult factory. Longer lead times apply.
2. Not compatible with visor optical accessory.

How to Order

Lens	Mounting Options ⁽⁷⁾ ⁽⁸⁾	Finish	Control ⁽¹²⁾	Option	Certification
CL Clear Lens ⁽³⁾ ⁽⁴⁾ FR Frosted Lens ⁽⁵⁾ HFR Half-Frosted Lens ⁽⁶⁾	SAMNH Slim Adjustable Mounting Nano Horizontal UMPNH Fixed Mounting Nano Horizontal UMASNH Universal Adjustable Mounting Nano Horizontal WAMNH2 Adjustable Wall Mounting Nano Horizontal 51 mm WAMNH6 Adjustable Extended Arm Mounting Nano Horizontal 152 mm WAMNH12 Adjustable Extended Arm Mounting Nano Horizontal 305 mm WAMNH18 Adjustable Extended Arm Mounting Nano Horizontal 457 mm WAMNH28 Adjustable Extended Arm Mounting Nano Horizontal 711 mm	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth White CC Custom Colour & Finish ⁽⁹⁾ ⁽¹⁰⁾ ⁽¹¹⁾	UCTL Universal control (compatible with DMX/RDM or DALI-2 Type 8 systems)	3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹³⁾	UL UL Compliant CE CE Compliant

Notes:

3. Not available for 10x10, W or WW optics.

4. To use only if fixture is lighting the surface perpendicularly. If the fixture is installed close to the wall, select the Half-Frosted lens to soften the beam on the wall.

5. Not available for WW optic.

6. Available for 8x8, 10x10 or WW optics only.

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

8. Refer to Mounting Bracket Placement section in the specification sheet for mounting bracket distances that must be respected.

9. 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.

10. Setup charges apply for RAL colours. Consult factory for details.

11. Longer lead times can be expected for custom RAL colour finishes.

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

13. Not available for SAMNH mounting option. Mounting bracket distances that must be respected, consult Mounting Bracket Placement section in the specification sheet for details.