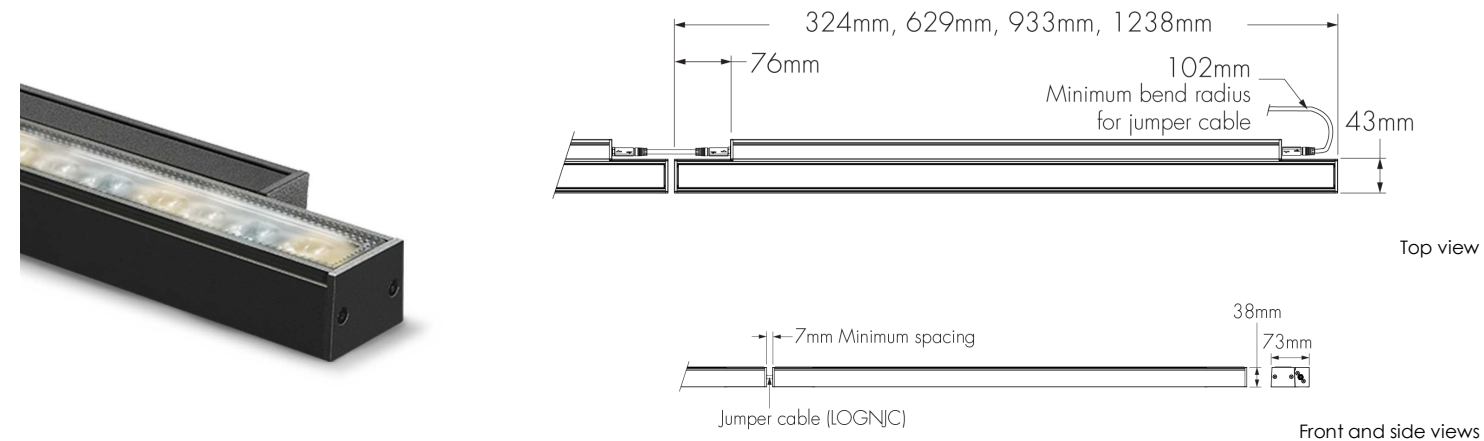


Project Name

Qty

Type

Catalog / Part Number

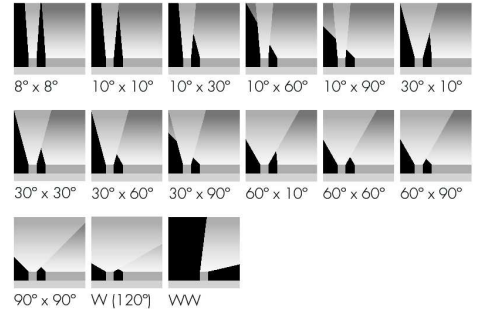


Photometric Summary (26.24 W/m)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	2,052	55,453
10°x10°	1,985	43,263
10°x30°	1,924	12,238
10°x60°	1,914	6,527
10°x90°	1,918	3,421
30°x10°	1,930	12,200
30°x30°	1,961	4,528
30°x60°	1,901	2,865
30°x90°	1,916	2,070
60°x10°	1,912	7,573
60°x60°	1,920	1,420
60°x90°	1,908	1,709
90°x90°	1,876	1,160
W (120°)	1,157	569
WW	2,044	9,914

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

Optics



Colours and Colour Temperatures



Description

The Lumenfacade Nano Horizontal Dynamic White 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 Dynamic White can be configured with a wide number of options, including: optics for grazing, floodlighting, or wall washing; colour temperatures from 2200K to 3000K or from 2700K to 6500K; various mounting options, finishes, and controls.

Features

Colour and Colour Temperature	Dynamic warm white (2200K to 3000K), Dynamic white (2700K to 6500K)
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	Corrosion-resistant Coating for Hostile Environments 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	1,128 lm (13.12 W/m, 1219 mm fixture, DWH full output, 8° x 8°, UCTL control) 2,052 lm (26.24 W/m, 1219 mm fixture, DWH full output, 8° x 8°, UCTL control) 924 lm (13.12 W/m, 1219 mm fixture, DWW full output, 8° x 8°, UCTL control) 1,606 lm (26.24 W/m, 1219 mm fixture, DWW full output, 8° x 8°, UCTL control)
Maximum Delivered Intensity	30,476cd at nadir (13.12 W/m, 1219 mm fixture, DWH full output, 8° x 8°, UCTL control) 55,453 cd at nadir (26.24 W/m, 1219 mm fixture, DWH full output, 8° x 8°, UCTL control) 24,977 cd at nadir (13.12 W/m, 1219 mm fixture, DWW full output, 8° x 8°, UCTL control) 45,404 cd at nadir (26.24 W/m, 1219 mm fixture, DWW full output, 8° x 8°, UCTL control)

lumenpulse™

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www.lumenpulse.com www.lumenpulse.com/products/4895

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JC- R12

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Controls

UCTL/DTW UCTL

Ratings

IP66 IK08

Certifications



Illuminance at Distance	Minimum 1 lx at 174 m (13.12 W/m, 1219 mm fixture, DWH full output, 8° x 8°, UCTL control)
	Minimum 1 lx at 236 m (26.24 W/m, 1219 mm fixture, DWH full output, 8° x 8°, UCTL control)
	Minimum 1 lx at 158 m (13.12 W/m, 1219 mm fixture, DWW full output, 8° x 8°, UCTL control)
	Minimum 1 lx at 213 m (26.24 W/m, 1219 mm fixture, DWW full output, 8° x 8°, UCTL control)

Lumen Maintenance	L70 B50 >90,000 hrs
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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	0.68 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 fixture for UCTL/DTW control option (configured with LumenID V3 software), Per fixture for UCTL control option, 8-bit or 16-bit
Dynamic Warm Colour Temperature Mixing	12 LEDs per 305 mm (4x 2200K, 4x 2700K, 4x 3000K)
Dynamic White Colour Temperature Mixing	12 LEDs per 305 mm (4x 2700K, 4x 4000K, 4x 6500K)
Control	Universal control DTW pre-set (Dim to warm via single-channel DMX/RDM, 2700K to 2200K, compatible with 1-10V or DMX/RDM systems), Universal control (3-channel colour temperature control via 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	IP66
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 Radial Louvre (LOGNRD), Lumenfacade Nano Visor (LOGNVS)
Control Systems	Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

Photometric Information

13.12 W/m (DWH)

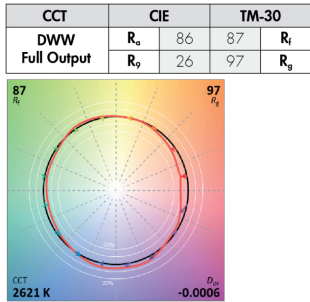
	Delivered output (lm)	Intensity (peak cd)
8°x8°	1128	30,476
10°x10°	1091	23,777
10°x30°	1058	6,726
10°x60°	1052	3,587
10°x90°	1054	1,880
30°x10°	1061	6,705
30°x30°	1100	2,539
30°x60°	1066	1,607
30°x90°	1074	1,161
60°x10°	1051	4,162
60°x60°	1077	796
60°x90°	1070	959
90°x90°	1052	651
W (120°)	636	312
WW	1,123	5,449

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

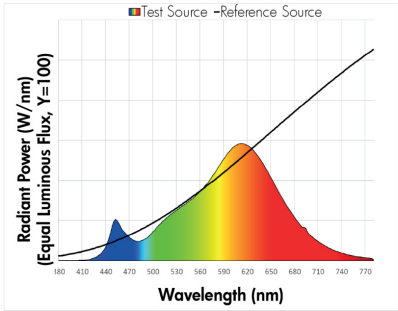
Photometric performance is measured in compliance with IESNA LM 79-08.

Chromaticity Data

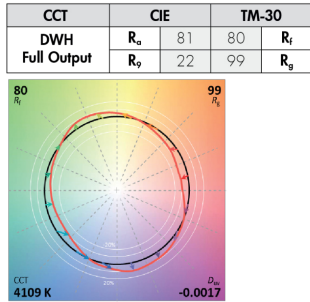
TM-30 - DWW



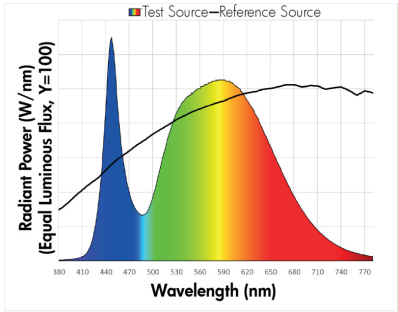
DWW Spectral Power Distribution



TM-30 - DWH

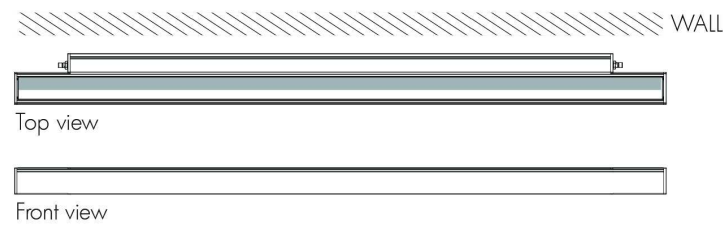


DWH Spectral Power Distribution



Optical Option Installation Details

HFR - Half-Frosted Lens



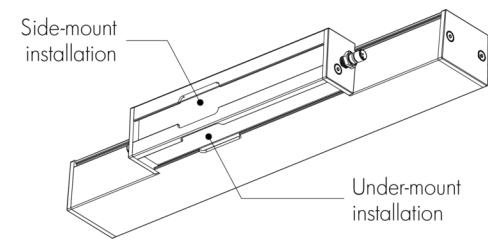
- Always position frosted side toward the wall.
- Applicable for 8° x 8°, 10° x 10° or asymmetric wallwash optics only.

WW - Asymmetric Wallwash

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

Example: 0.6 m setback for a 6 m wall.

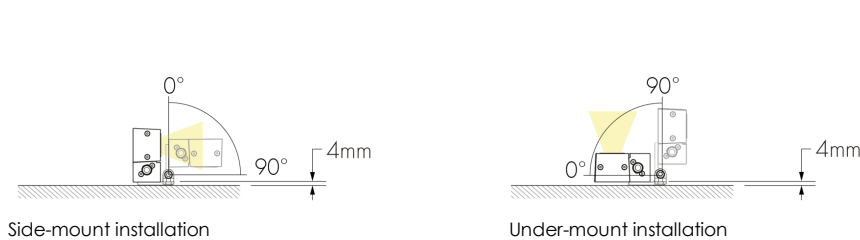
Mounting Points



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.

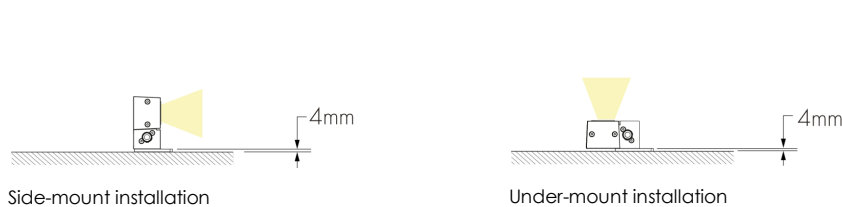
SAMNH - Slim Adjustable Mounting Nano Horizontal



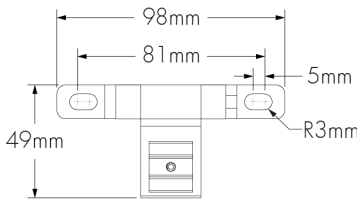
Not suitable when fixture is exposed to wind.

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.

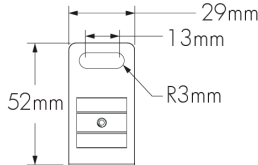
UMPNH - Fixed Mounting Nano Horizontal



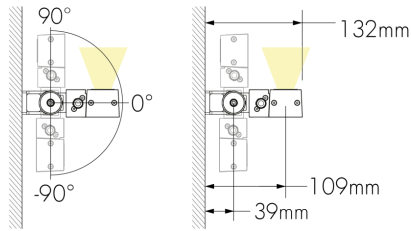
SAMNH - Mounting Hole Pattern



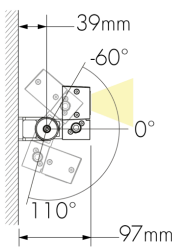
UMPNH - Mounting Hole Pattern



UMASNH - Universal Adjustable Mounting Nano

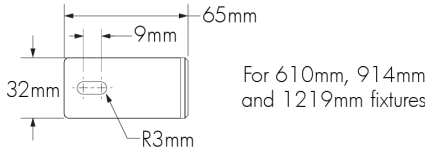
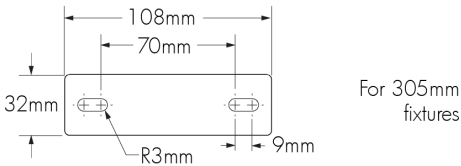


Side-mount installation

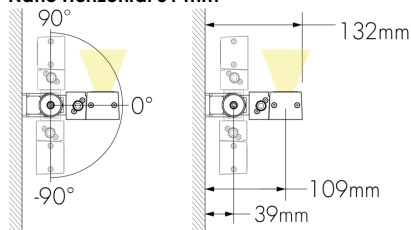


Under-mount installation

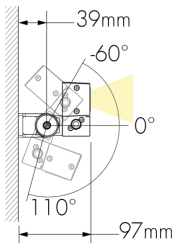
UMASNH - Mounting Hole Pattern



WAMNH2 - Adjustable Extended Arm Mounting
Nano Horizontal 51 mm

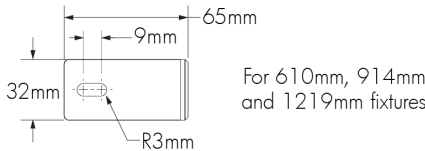
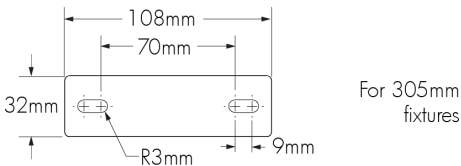


Side-mount installation

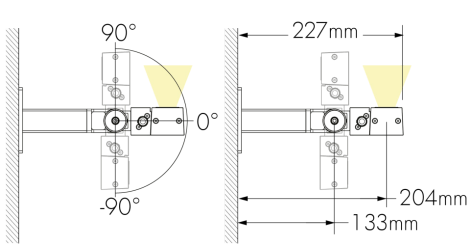


Under-mount installation

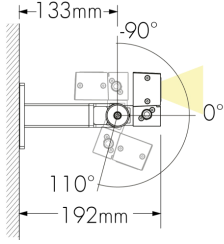
WAMNH2 - Mounting Hole Pattern



WAMNH6 - Adjustable Extended Arm Mounting
Nano Horizontal 152 mm

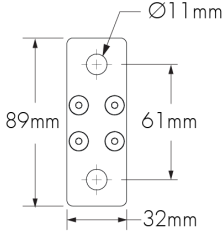


Side-mount installation

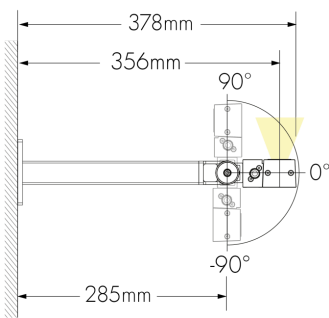


Under-mount installation

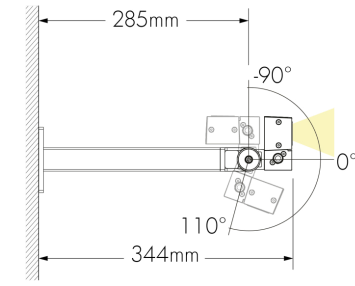
WAMNH6 - Mounting Hole Pattern



WAMNH12 - Adjustable Extended Arm Mounting
Nano Horizontal 305 mm

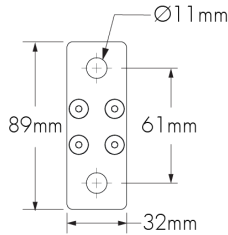


Side-mount installation

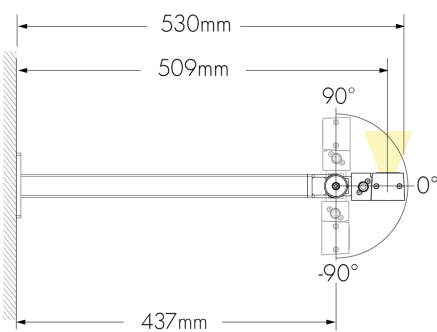


Under-mount installation

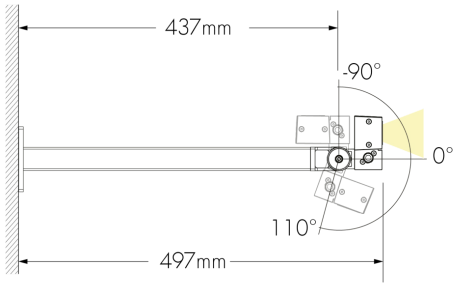
WAMNH12 - Mounting Hole Pattern



WAMNH18 - Adjustable Extended Arm Mounting
Nano Horizontal 457 mm

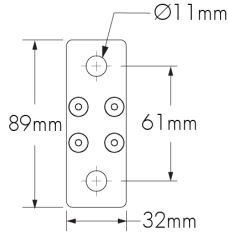


Side-mount installation

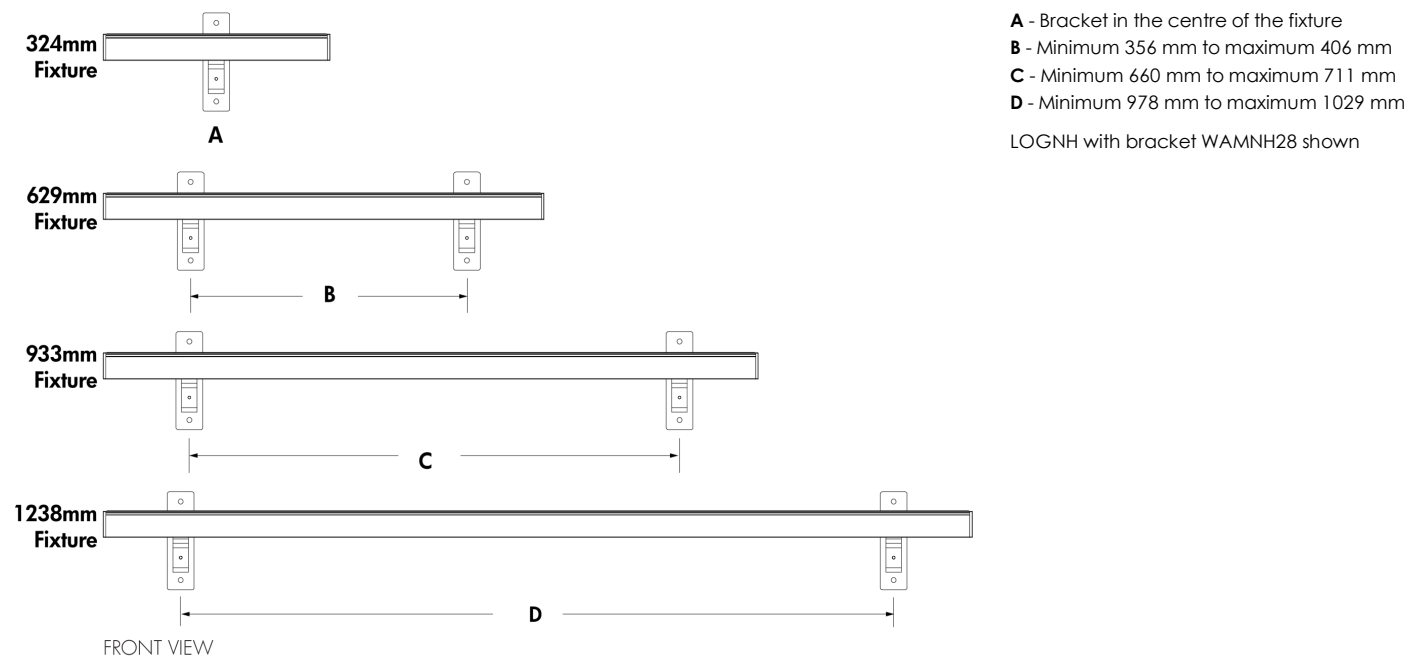


Under-mount installation

WAMNH18 - Mounting Hole pattern



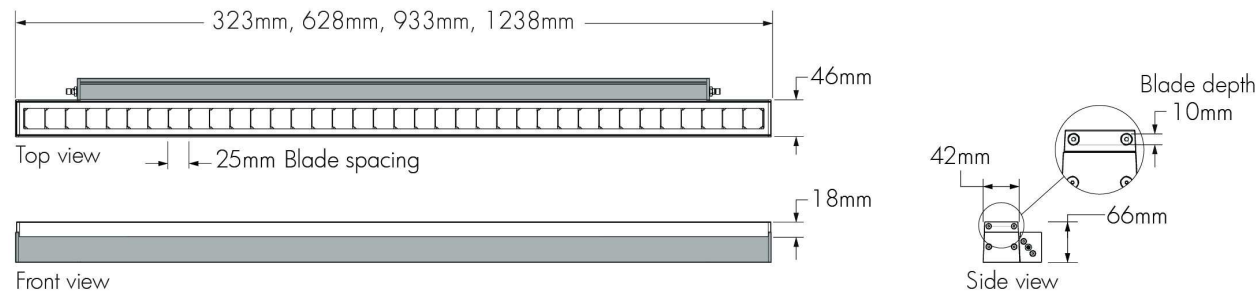
Mounting Bracket Placement (Minimum and Maximum Distances)



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)

LOGNRD - Radial Louver For Lumenfacade Nano

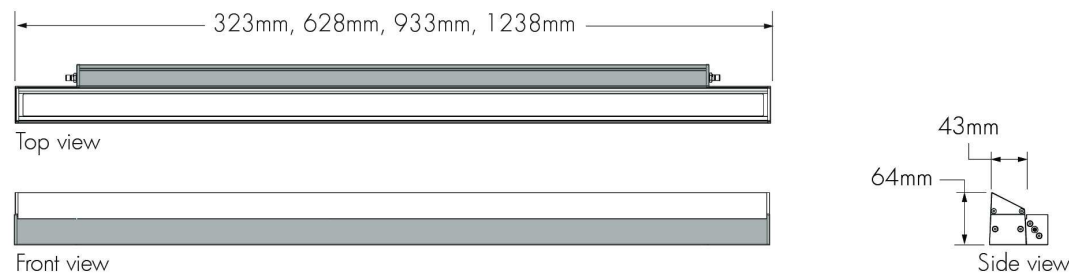


LOGNRD-LENGTH-FINISH-OPTIONS

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 louvre will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° and asymmetric wallwash optics.
- Maximum one accessory per fixture. Louvers are field installable.

LOGNVS - Visor For Lumenfacade Nano



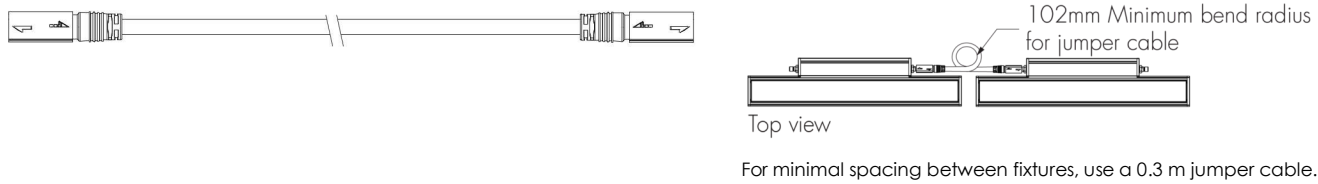
LOGNVS-LENGTH-FINISH-OPTIONS

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

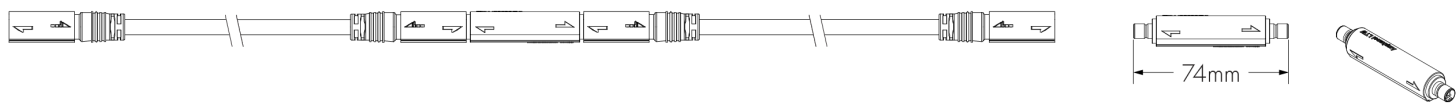


LOGNJC-CERTIFICATION-LENGTH-CABLE COLOUR

- Please specify:
- CERTIFICATION:** UL or CE; **LENGTH:** 0.3 m to 9 m, 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)

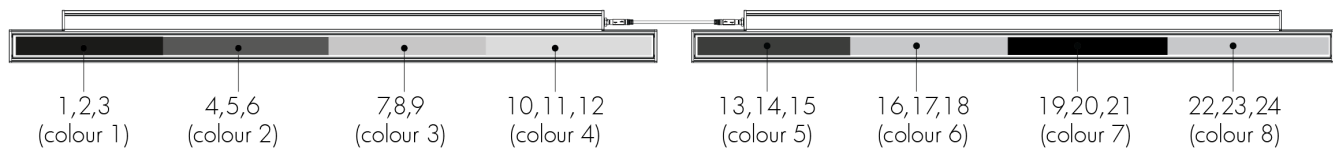
LOGNJC-JOINER - Joiner For Lumenfacade Nano Jumper Cable



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

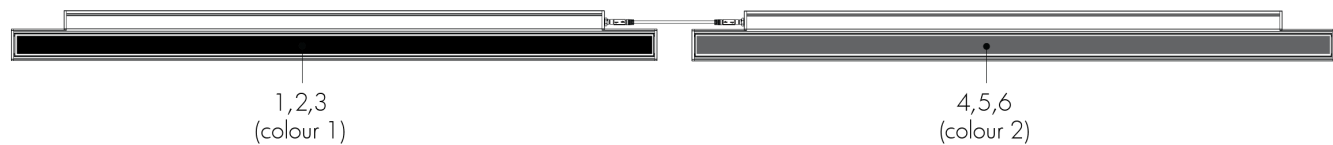
Resolution Details

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

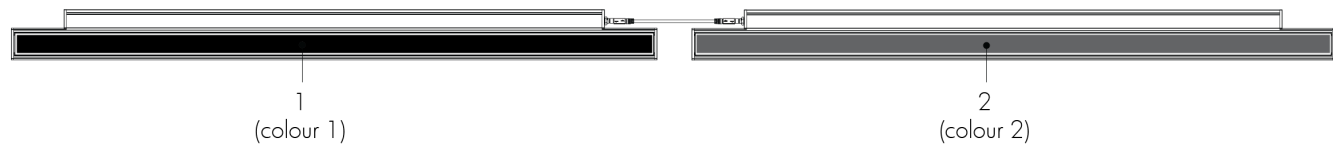


UCTL control option

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



UCTL control option



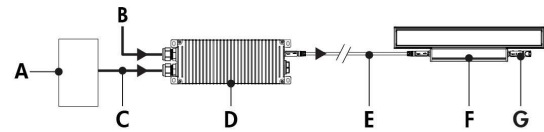
UCTL/DTW control option

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

Typical Wiring Diagrams

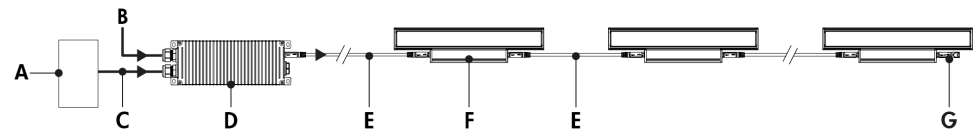
Dim to Warm Via UCTL/DTW* or UCTL 3-Channel Via DMX/RDM
*Available For DWW Version Only, 2700K to 2200K

Single Unit - LCBX 60W



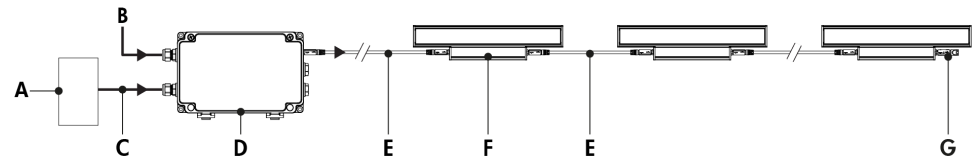
- A - Dimmer (UCTL/DTW only)/controller (order separately from Lumenpulse, or by others)
- B - Power input (120-277V, wiring by others)
- C - Data input (wiring by others)
- D - LCBX (60W)
- E - Jumper cable (LOGNJC)
- F - Lumenfacade Nano Horizontal
- G - Terminator cap

Continuous Run - LCBX 60W or 120W



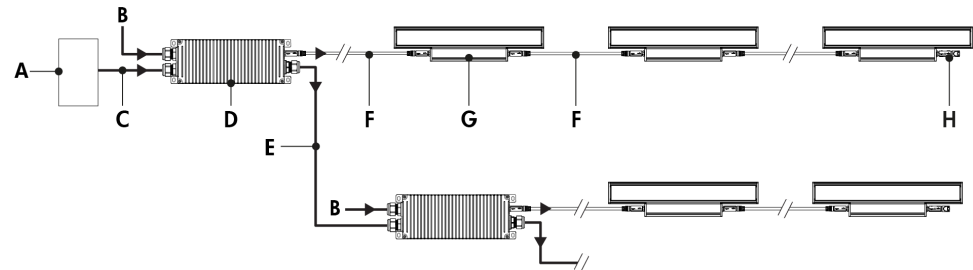
- A - Dimmer (UCTL/DTW only)/controller (order separately from Lumenpulse, or by others)
- B - Power input (120-277V, wiring by others)
- C - Data input (wiring by others)
- D - LCBX (60W or 120W)
- E - Jumper cable (LOGNJC)
- F - Lumenfacade Nano Horizontal
- G - Terminator cap

Continuous Run - LCBX 200W



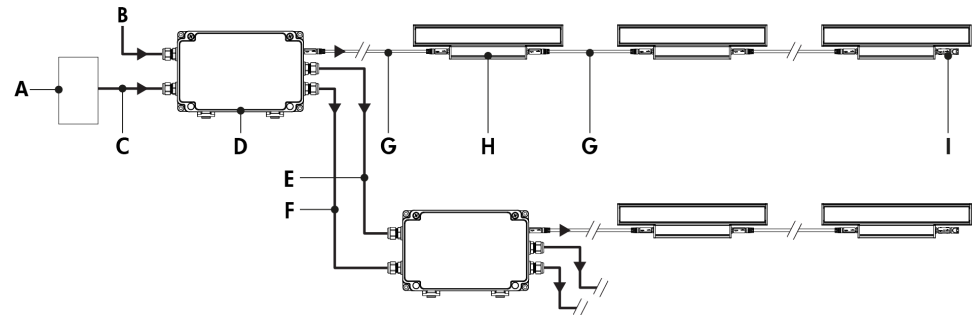
- A - Dimmer (UCTL/DTW only)/controller (order separately from Lumenpulse, or by others)
- B - Power input (120-277V, wiring by others)
- C - Data input (wiring by others)
- D - LCBX (200W)
- E - Jumper cable (LOGNJC)
- F - Lumenfacade Nano Horizontal
- G - Terminator cap

Continuous Run - Daisy Chain
LCBX 60W or 120W



- A - Dimmer (UCTL/DTW only)/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
- H - Terminator cap

Continuous Run - Daisy Chain
LCBX 200W



- A - Dimmer (UCTL/DTW only)/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
- I - Terminator cap

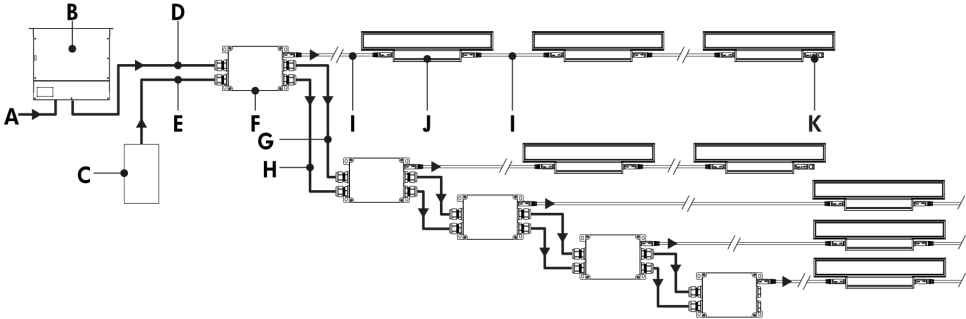
Maximum Run of Fixtures - Lumenfacade Nano® LOGNH Dynamic White

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 LOGNH 13.12W/m, 45 fixtures maximum for 324mm LOGNH 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.
- Fixtures with UCTL/DTW control can be controlled via a 1-10V dimmer or DMX/RDM controller.
- 1-10V mA ratings: Current Sink Mode: 25µA per LCBX; Current Source Mode: 2.5mA per LCBX.
- Dim to warm control requires 1 DMX channel. DMX/RDM control requires 3 DMX channels.
- Fixtures with UCTL control can be controlled via a DMX/RDM or DALI controller.
- For DALI-2 Type 8 applications:
 - The LCBX responds to Colour Temperature controls.
- 4W version: 13.12 W/m, 8W version: 26.24 W/m.

Trunk System - LSBX

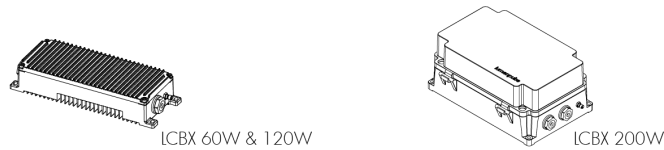


- A** - Power input (120-277V, wiring by others)
- B** - Large Power Supply (LGPSU) (order separately from Lumenpulse)
- C** - Controller (order separately from Lumenpulse, or by others)
- D** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer 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
- 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.
- Dim to warm control requires 1 DMX channel. DMX/RDM control requires 3 DMX channels.
- 4W version: 13.12 W/m, 8W version: 26.24 W/m.

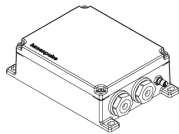
Control Boxes (Order Separately)

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.

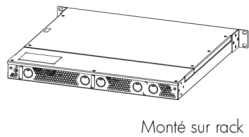
LSBX - Low-Voltage Splitter Box



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)

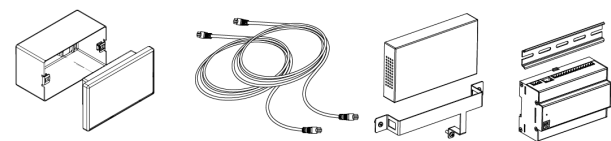
LGPSU - Large Power Supply



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)

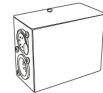
PHAROS - Pharos® Kit



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 ⁽¹⁾	Optic
LOGNH Lumenfacade™ Nano Horizontal	4W 13.12 W/m 8W 26.24 W/m	48V 48 VDC	12 324 mm (0.64 kg) 24 629 mm (1.32 kg) 36 933 mm (2 kg) 48 1238 mm (2.72 kg)	DWW Dynamic warm white (2200K to 3000K) DWH Dynamic white (2700K to 6500K)	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° ⁽²⁾ WW Asymmetric Wallwash ⁽³⁾

Notes:

1. For Dim to Warm control via UCTL/DTW, Dynamic Warm White (DWW) must be specified.
2. Not compatible with louvre or visor optical accessories.
3. Not compatible with louvre optical accessory.

How to Order

Lens	Mounting Options ⁽⁸⁾ ⁽⁹⁾	Finish	Control ⁽¹³⁾	Option	Certification
CL Clear Lens ⁽⁴⁾ ⁽⁵⁾ FR Frosted Lens ⁽⁶⁾ HFR Half-Frosted Lens ⁽⁷⁾	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 ⁽¹⁰⁾ ⁽¹¹⁾ ⁽¹²⁾	UCTL/DTW Universal control DTW pre-set (Dim to warm via single-channel DMX/RDM, 2700K to 2200K, compatible with 1-10V or DMX/RDM systems) ⁽¹⁴⁾ UCTL Universal control (3-channel colour temperature control via DMX/RDM or DALI-2 Type 8 systems)	CRC Corrosion-resistant coating ⁽¹⁵⁾ ⁽¹⁶⁾ 3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹⁷⁾	UL UL Compliant CE CE Compliant

Notes:

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

5. 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.

6. Not available for WW optic.

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

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

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

10. 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.

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

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

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

14. UCTL/DTW fixture is factory set to follow the dim to warm curve via single-channel DMX/RDM. Fixture resolution can be configured on-site within the LumenID V3 software.

15. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.

16. Setup charges apply. Consult factory for details.

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