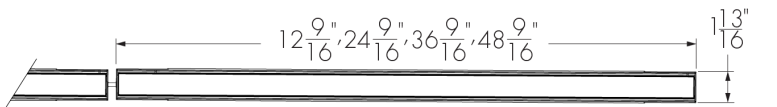


Project Name

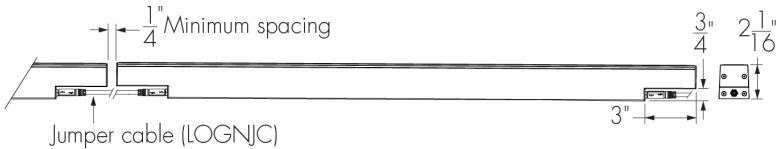
Qty

Type

Catalog / Part Number



Top view



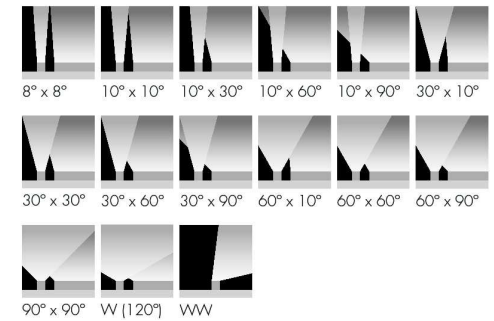
Front and side views

Photometric Summary (8 W/ft)

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

Optics



Description

The Lumenfacade Nano Interior 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 12 in, 24 in, 36 in or 48 in sections, the Lumenfacade Nano Interior 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

Color and Color 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	3G ANSI C136.31-2010 Vibration Rating for Bridge Applications
Power Consumption	4 W/ft, 8 W/ft
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	1,128 lm (4 W/ft, 48 in fixture, DWH full output, 8° x 8°, UCTL control) 2,052 lm (8 W/ft, 48 in fixture, DWH full output, 8° x 8°, UCTL control) 924 lm (4 W/ft, 48 in fixture, DWW full output, 8° x 8°, UCTL control) 1,606 lm (8 W/ft, 48 in fixture, DWW full output, 8° x 8°, UCTL control)
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Colors and Color Temperatures



Controls

UCTL/DTW UCTL

Ratings

IP20 IK08

Certifications



Maximum Delivered Intensity	30,476cd at nadir (4 W/ft, 48 in fixture, DWH full output, 8° x 8°, UCTL control) 55,453 cd at nadir (8 W/ft, 48 in fixture, DWH full output, 8° x 8°, UCTL control) 24,977 cd at nadir (4 W/ft, 48 in fixture, DWW full output, 8° x 8°, UCTL control) 45,404 cd at nadir (8 W/ft, 48 in fixture, DWW full output, 8° x 8°, UCTL control)
Illuminance at Distance	Minimum 1 fc at 174 ft (4 W/ft, 48 in fixture, DWH full output, 8° x 8°, UCTL control) Minimum 1 fc at 236 ft (8 W/ft, 48 in fixture, DWH full output, 8° x 8°, UCTL control) Minimum 1 fc at 158 ft (4 W/ft, 48 in fixture, DWW full output, 8° x 8°, UCTL control) Minimum 1 fc at 213 ft (8 W/ft, 48 in fixture, DWW full output, 8° x 8°, UCTL control)
Lumen Maintenance	L70 >90,000 hrs
Physical	
Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Surface Finish	Electrostatically applied polyester powder coat
Weight	1.4 lbs (12 in) 2.9 lbs (24 in) 4.4 lbs (36 in) 6 lbs (48 in)
Electrical and Control	
Voltage	48 VDC
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 Color Temperature Mixing	12 LEDs per 12 in (4x 2200K, 4x 2700K, 4x 3000K)
Dynamic White Color Temperature Mixing	12 LEDs per 12 in (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 0-10V or DMX/RDM systems), Universal control (3-channel color temperature control via DMX/RDM or DALI-2 Type 8 systems)
Environmental	
Environment	Indoor applications only
Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F

Ingress Protection Rating	IP20
Impact Resistance Rating	IK08 (IK09 for 48 in 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 Louver (LOGNRD), Lumenfacade Nano Visor (LOGNVS)
Control Systems	Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

Photometric Information

4 W/ft (DWH)

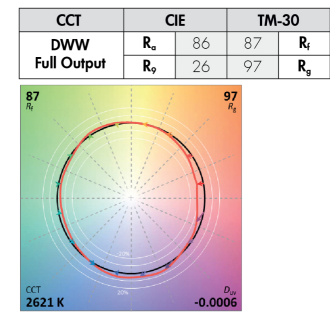
	Delivered output (lm)	Intensity (peak cd)
8°x8°	1128	30,476
10°x10°	1091	23,777
10°x30°	1058	6,726
10°x60°	1052	3,587
10°x90°	1054	1,880
30°x10°	1061	6,705
30°x30°	1100	2,539
30°x60°	1066	1,607
30°x90°	1074	1,161
60°x10°	1051	4,162
60°x60°	1077	796
60°x90°	1070	959
90°x90°	1052	651
W (120°)	636	312
WW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

Based on DWH full output, 4 ft, UCTL control configuration.

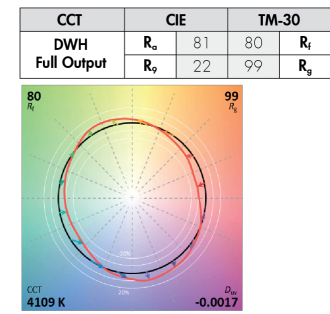
Photometric performance is measured in compliance with IESNA LM 79-08.

Chromaticity Data

TM-30 - DWW

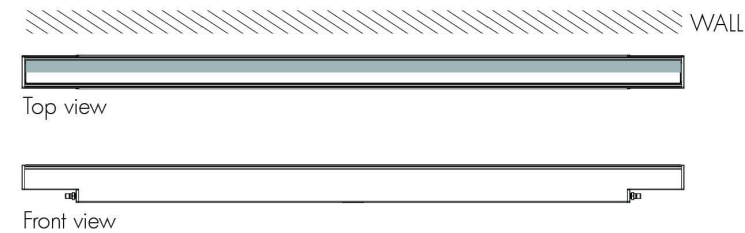


TM-30 - DWH



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

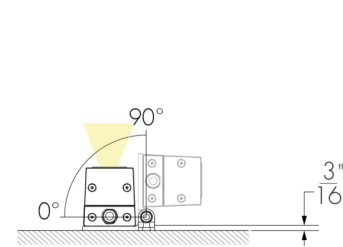
Recommended setback from wall is 1/10 of the wall height.

Example: 2 ft setback for a 20 ft wall.

Mounting Options

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures. See installation instructions for details.

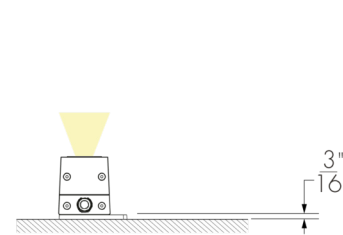
SAMN - Slim Adjustable Mounting Nano



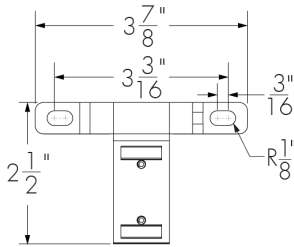
Not suitable when fixture is exposed to wind.

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures. See installation instructions for details.

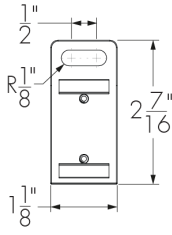
UMPN - Fixed Mounting Nano



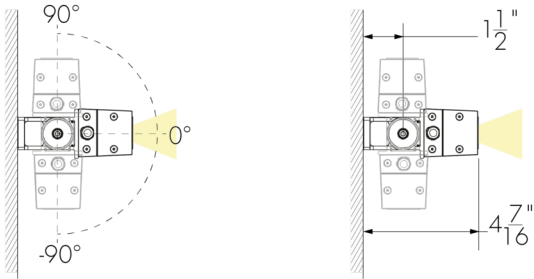
SAMN - Mounting Hole Pattern



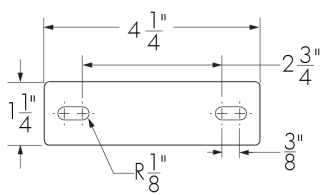
UMPN - Mounting Hole Pattern



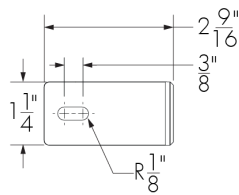
UMASN - Universal Adjustable Mounting Nano



UMASN - Mounting Hole Pattern

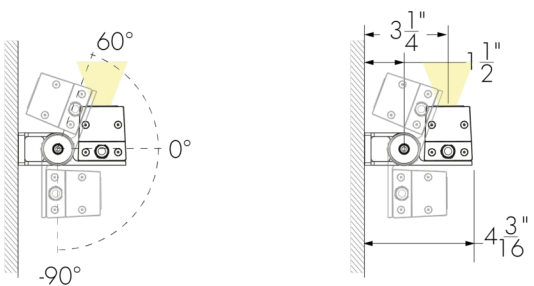


For 1 ft fixtures

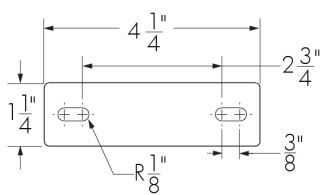


For 2 ft, 3 ft and 4 ft fixtures

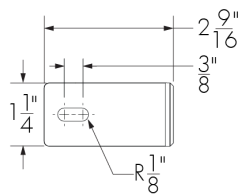
WAMN2 - Adjustable Extended Arm Mounting Nano 2 in



WAMN2 - Mounting Hole Pattern

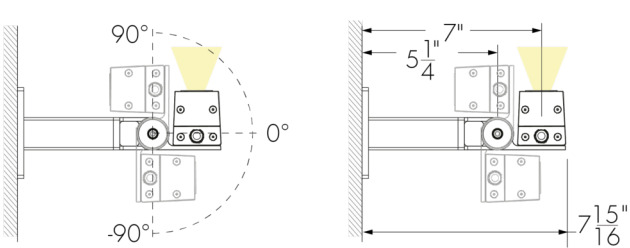


For 1 ft fixtures

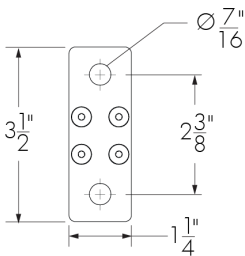


For 2 ft, 3 ft and 4 ft fixtures

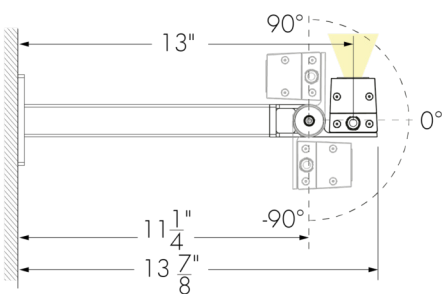
WAMN6 - Adjustable Extended Arm Mounting Nano 6 in



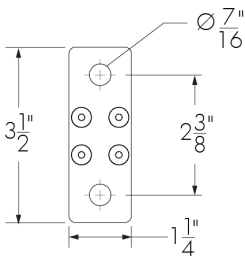
WAMN6 - Mounting Hole Pattern



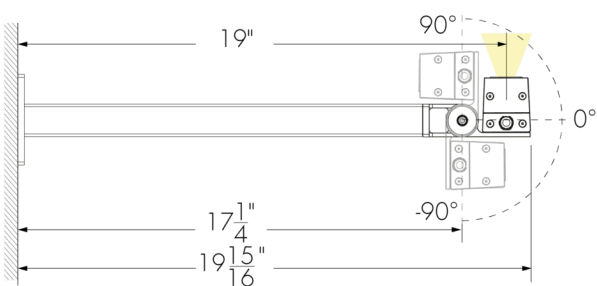
WAMN12 - Adjustable Extended Arm Mounting Nano 12 in



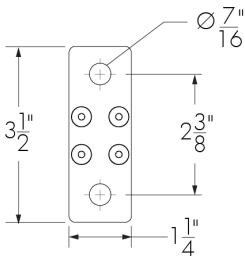
WAMN12 - Mounting Hole Pattern



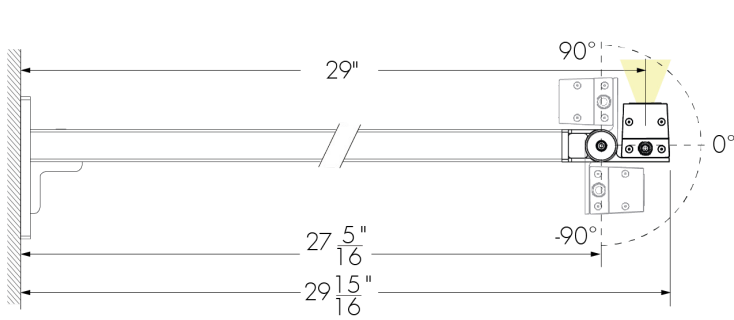
WAMN18 - Adjustable Extended Arm Mounting Nano 18 in



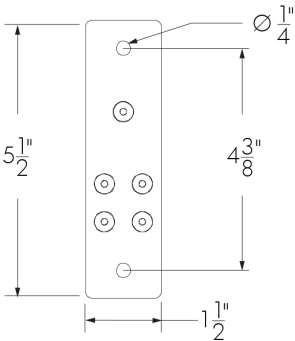
WAMN18 - Mounting Hole Pattern



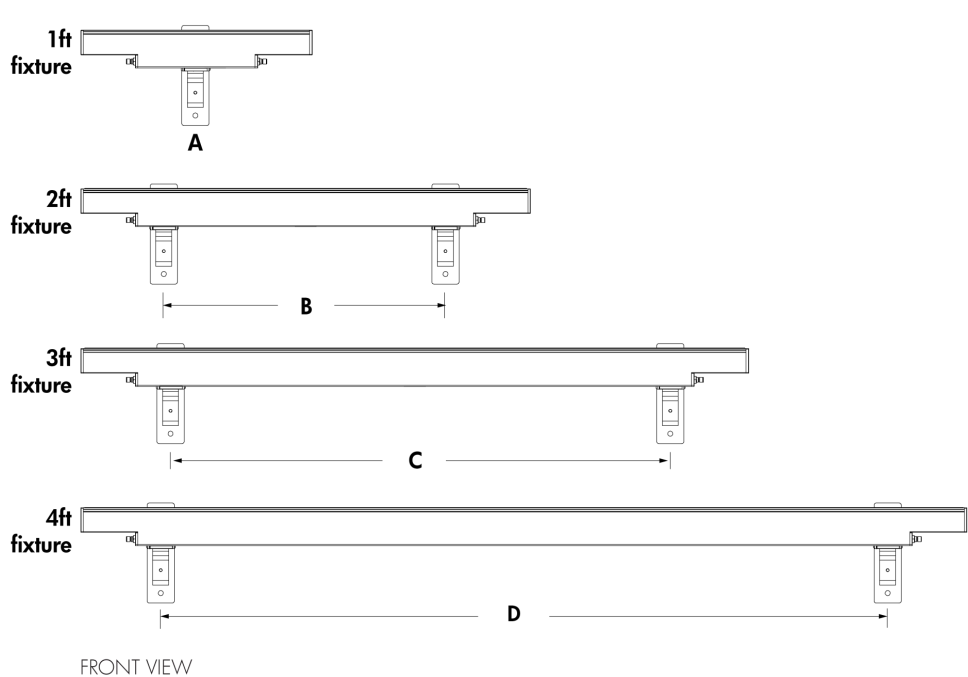
WAMN28 - Adjustable Extended Arm Mounting Nano 28 in



WAMN28 - Mounting Hole Pattern



Mounting Bracket Placement (Minimum and Maximum Distances)

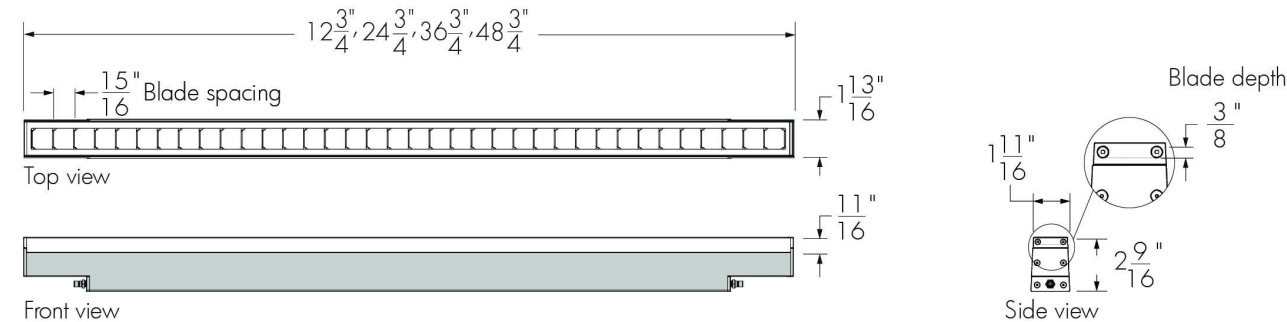


- A - Bracket in the center of the fixture
 - B - Minimum 14 in to maximum 16 in
 - C - Minimum 26 in to maximum 28 in
 - D - Minimum 38 1/2 in to maximum 40 1/2 in
- LOGNI with bracket WAMN28 shown

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

Optical Accessories (Order Separately)

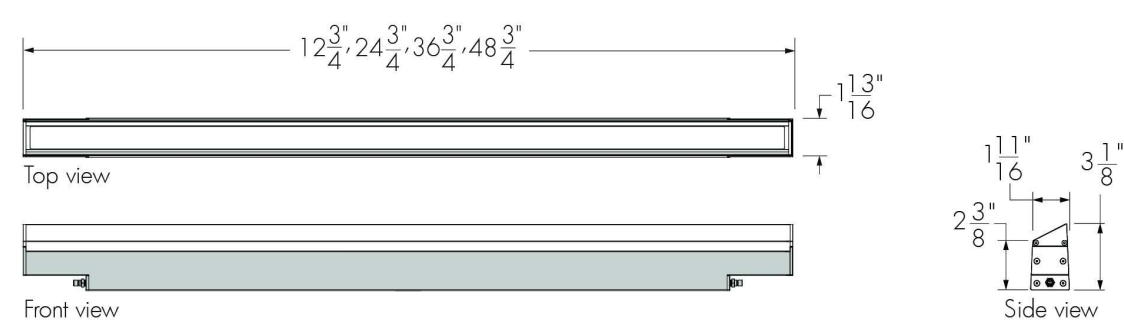
LOGNRD - Radial Louver For Lumenfacade Nano



LOGNRD-LENGTH-FINISH-OPTIONS

- Please specify:
- LENGTH:** 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS:** CRC - Corrosion-resistant coating for hostile environments
- The addition of a louver will affect beam distribution. Consult factory for application support.
 - Not suitable for wide 120° and asymmetric wallwash optics.
 - CRC option is not available for indoor applications.
 - Maximum one accessory per fixture. Louvers are field installable.

LOGNVS - Visor For Lumenfacade Nano

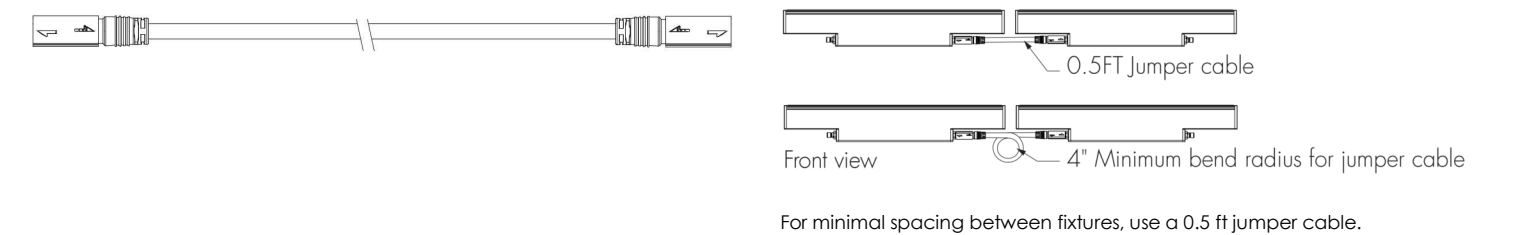


LOGNVS-LENGTH-FINISH-OPTIONS

- Please specify:
- LENGTH:** 12 in, 24 in, 36 in or 48 in; **FINISH:** BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **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

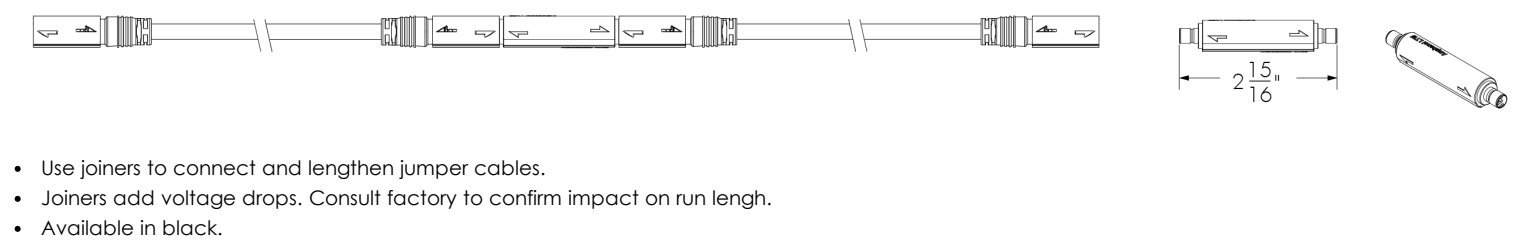


LOGNJC-CERTIFICATION-LENGTH-CABLE COLOR

- Please specify:
- CERTIFICATION:** UL or CE; **LENGTH:** 0.5 ft, 1 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR:** black or white (connectors are the same color as the specified cable color).
- Suitable for dimming/data and non-dimming applications.
 - Consult Lumenfacade Nano Jumper Cable specification sheet for all available cable lengths and additional information.

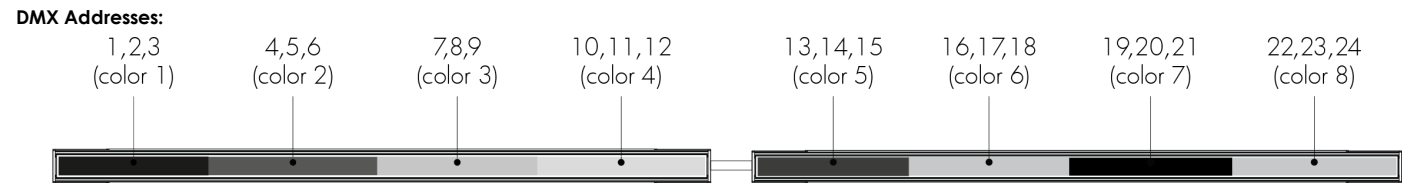
Joiner (Order Separately)

LOGNJC-JOINER - Joiner For Lumenfacade Nano Jumper Cable



Resolution Details

DMX/RDM Control, Resolution Per Foot: Each 12 in Section is Addressed Independently



UCTL control option

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



UCTL control option

Dim To Warm Control, Resolution Per Fixture: Each Fixture is Addressed Independently



UCTL/DTW control option

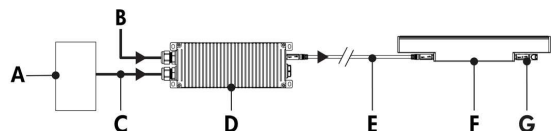
- 48 in fixtures shown.
- Fixture resolution can be configured on-site within the LumenID V3 software. A DIM/DMX/RDM enabled LCBX or DMX/RDM LSBX is required for DMX/RDM or Dim to warm control.

Typical Wiring Diagrams

Dim to Warm Via UCTL/DTW* or UCTL 3-Channel Via DMX/RDM

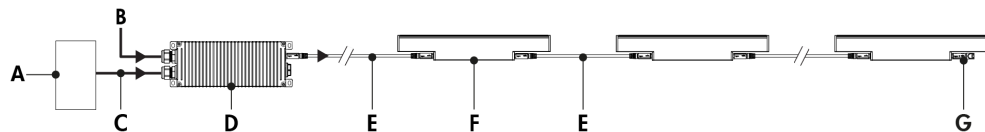
*Available For DWW Version Only, 2700K to 2200K

Single Unit - LCBX 60W



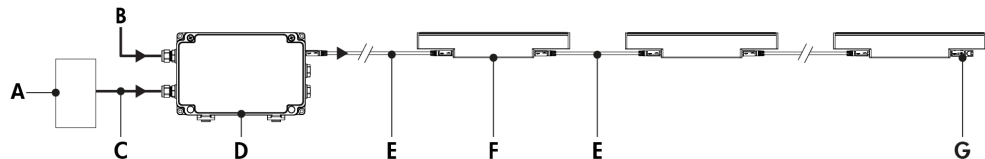
- A** - Dimmer (UCTL/DTW only)/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W)
- E** - Jumper cable (LOGNJC)
- F** - Lumenfacade Nano Interior
- G** - Terminator cap

Continuous Run - LCBX 60W or 120W

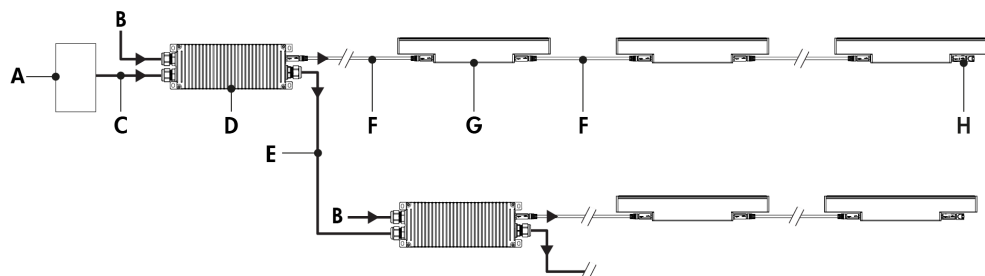


- A** - Dimmer (UCTL/DTW only)/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (60W or 120W)
- E** - Jumper cable (LOGNJC)
- F** - Lumenfacade Nano Interior
- G** - Terminator cap

Continuous Run - LCBX 200W

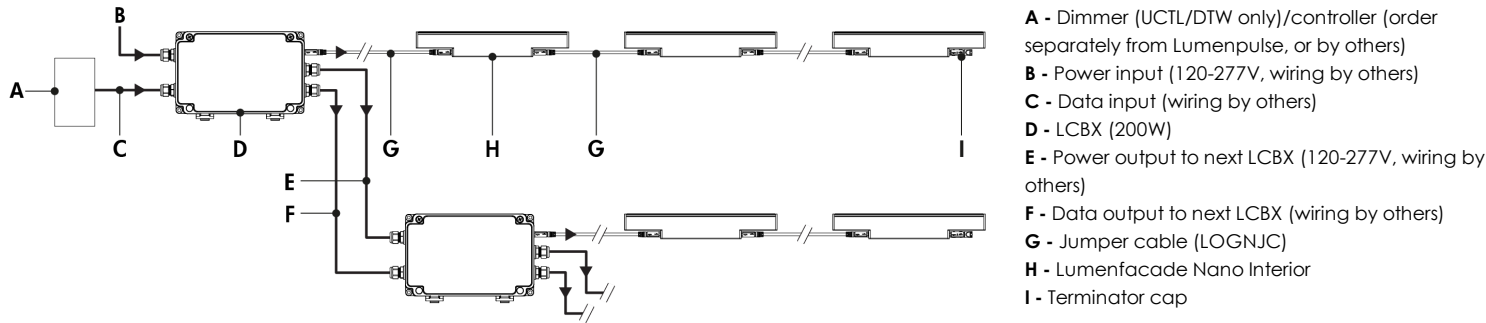


- A** - Dimmer (UCTL/DTW only)/controller (order separately from Lumenpulse, or by others)
- B** - Power input (120-277V, wiring by others)
- C** - Data input (wiring by others)
- D** - LCBX (200W)
- E** - Jumper cable (LOGNJC)
- F** - Lumenfacade Nano Interior
- G** - Terminator cap

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 Interior
- H** - Terminator cap

Continuous Run - Daisy Chain
LCBX 200W

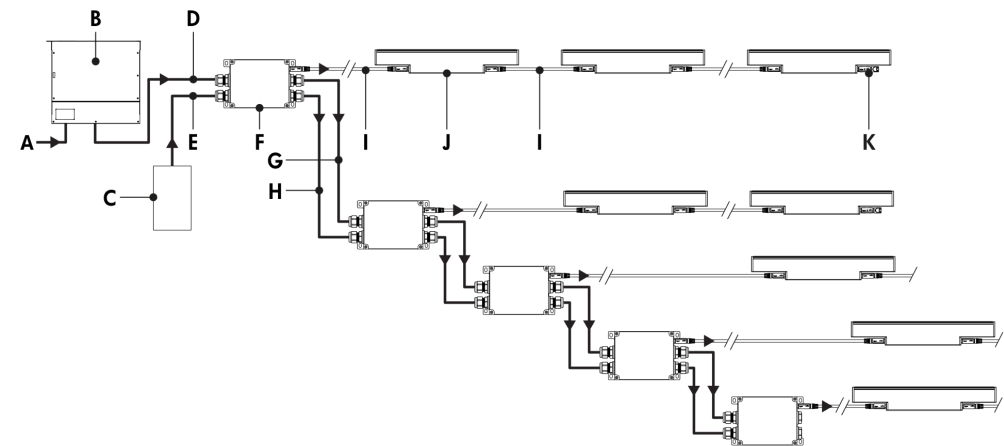


Maximum Run of Fixtures - Lumenfacade Nano® LOGNI Dynamic White			
10ft Jumper Cable			
Wattage	4W/ft	8W/ft	
Maximum Run of Fixtures per LCBX 60W	13ft	6ft	
Maximum Run of Fixtures per LCBX 120W	25ft	13ft	
Maximum Run of Fixtures per LCBX 200W	45ft*	22ft	
25ft Jumper Cable			
Wattage	4W/ft	8W/ft	
Maximum Run of Fixtures per LCBX 60W	13ft	6ft	
Maximum Run of Fixtures per LCBX 120W	25ft	13ft	
Maximum Run of Fixtures per LCBX 200W	45ft*	22ft	
50ft Jumper Cable			
Wattage	4W/ft	8W/ft	
Maximum Run of Fixtures per LCBX 60W	13ft	6ft	
Maximum Run of Fixtures per LCBX 120W	25ft	13ft	
Maximum Run of Fixtures per LCBX 200W	45ft*	22ft	

*Example: 4W/ft = 45ft maximum run of end to end fixtures per LCBX 200W.
(11 fixtures maximum for 4ft LOGNI 4W/ft, 45 fixtures maximum for 1ft LOGNI 4W/ft).
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 0-10V dimmer or DMX/RDM controller.
- 0-10V 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 Color Temperature control.
- 4W version: 4 W/ft, 8W version: 8 W/ft.

Trunk System - LSBX

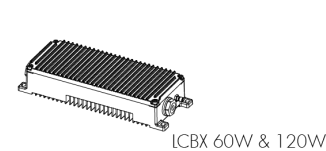


- A** - Power input (120-277V, wiring by others)
- B** - Large Power supply (LGPSU) (order separately from Lumenpulse)
- C** - Controller (order separately from Lumenpulse, or by others)
- D** - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer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

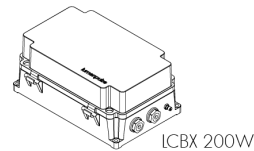
Control Boxes (Order Separately)

LCBX - Low-Voltage Control Box



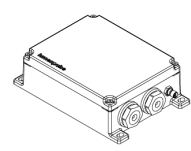
LCBX 60W & 120W

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



LCBX 200W

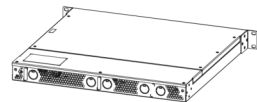
LSBX - Low-Voltage Splitter Box



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

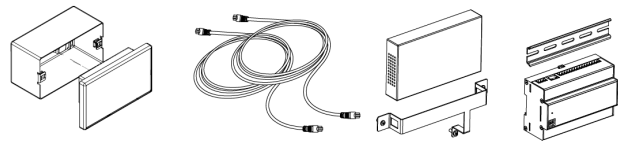


Monté sur rack

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)

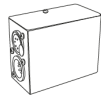
PHAROS - Pharos® Kit



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	Color and Color Temperature ⁽¹⁾	Optic
LOGNI Lumenfacade™ Nano Interior	4W 4 W/ft 8W 8 W/ft	48V 48 VDC	12 12 3/4 in (1.4 lbs) 24 24 3/4 in (2.9 lbs) 36 36 3/4 in (4.4 lbs) 48 48 3/4 in (6 lbs)	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 louver or visor optical accessories.

3. Not compatible with louver optical accessory.

How to Order

Lens	Mounting Options ⁽⁸⁾ ⁽⁹⁾	Finish	Control ⁽¹³⁾	Option	Certification	Buy American Act
CL Clear Lens ⁽⁴⁾ ⁽⁵⁾ FR Frosted Lens ⁽⁶⁾ HFR Half-Frosted Lens ⁽⁷⁾	SAMN Slim Adjustable Mounting Nano UMPN Fixed Mounting Nano UMASN Universal Adjustable Mounting Nano WAMN2 Adjustable Wall Mounting Nano 2 in WAMN6 Adjustable Extended Arm Mounting Nano 6 in WAMN12 Adjustable Extended Arm Mounting Nano 12 in WAMN18 Adjustable Extended Arm Mounting Nano 18 in WAMN28 Adjustable Extended Arm Mounting Nano 28 in	BK Black Sandtex® BRZ Bronze Sandtex® SI Silver Sandtex® WH Smooth White CC Custom Color & Finish ⁽¹⁰⁾ ⁽¹¹⁾ ⁽¹²⁾	UCTL/DTW Universal control DTW pre-set (Dim to warm via single-channel DMX/RDM, 2700K to 2200K, compatible with 0-10V or DMX/RDM systems) ⁽¹⁴⁾ UCTL Universal control (3-channel color temperature control via DMX/RDM or DALI-2 Type 8 systems)	3GV 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications ⁽¹⁵⁾	UL UL Compliant CE CE Compliant	BAA Buy American ⁽¹⁶⁾ ⁽¹⁷⁾

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 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in 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) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.

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

12. Longer lead times can be expected for custom RAL color 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. Not available for SAMN mounting option. Mounting bracket distances that must be respected, consult Mounting Bracket Placement section in the specification sheet for details.

16. Not available with CE certification option.

17. Contact your Lumenpulse Sales Representative for more information on order volume details.