TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:								
	FIXTURE	LED LIGHT SELECTION	VOLTAGE	FINISH	OPTION	OPTION	OPTION	OPTION
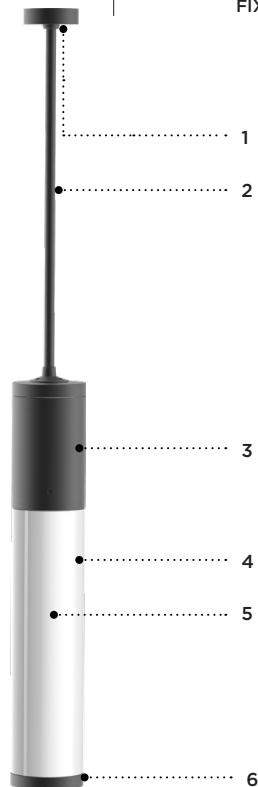
CL622/CL642/CL672
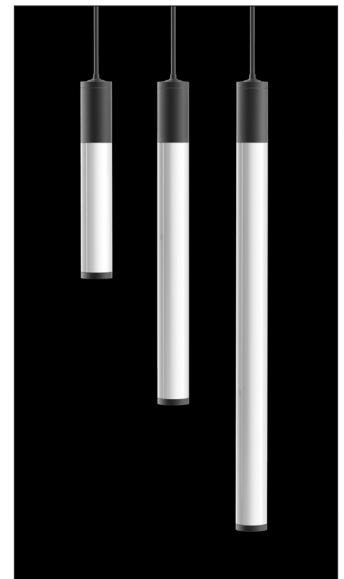
1- Standard heavy duty 30º hang straight swivel, with Ø 4.375" (111mm) canopy and universal mounting plate.
2- Ø 7/8" x 36" (22mm x 914mm) suspension stem with aircraft safety cable. Other lengths available on request (specify STM with desired length).
3- Ø 6" (152mm) aluminum extruded housing and driver enclosure.
4- Ø 6" (152mm) High impact white translucent acrylic diffuser UV stabilized.
5- LED array.
6- Heavy cast aluminum cover with embedded heat sink.

MATERIALS
LumiSTIK pendant is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.
LED boards are contained in a white UV stabilized high impact acrylic sealed cylinder. The assembly is designed to provide a uniform column illumination.
LumiSTIK pendant is available with three standard acrylic lengths. Other lengths are available on request.

ELECTRICAL
DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperatures of -40ºC to +55ºC/-40ºF to +131ºF, output over voltage protection, output over current protection, output short circuit protection with auto-recovery. Driver for RGBW is DMX512 / RDM compatible.

LED 2700K/3000K/3500K/4000K CCT with 80 CRI. Optional RGBW.

LIFE
50,000hrs $L_{85}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data).
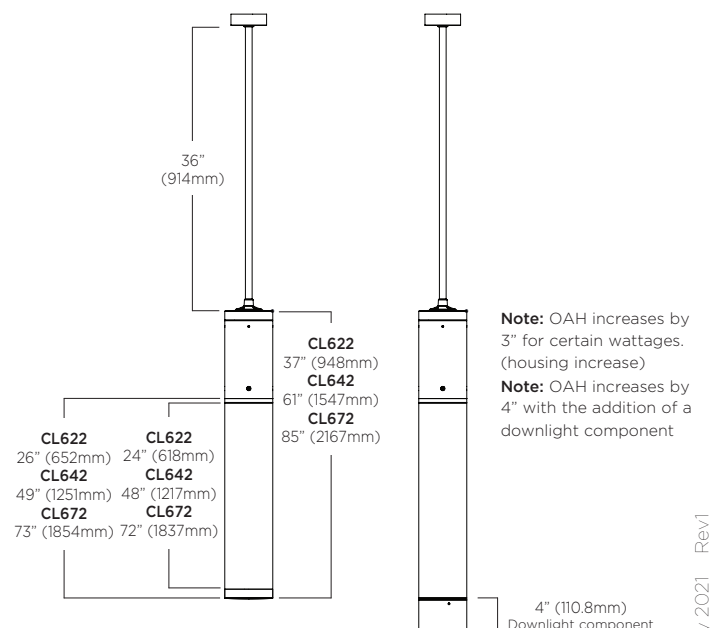
FINISH
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION
Tested to UL1598 and CSA 22.2 #250.ETL listed wet location.
Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25ºC. Lumen depreciation in accordance with IESNA LM80 standards.
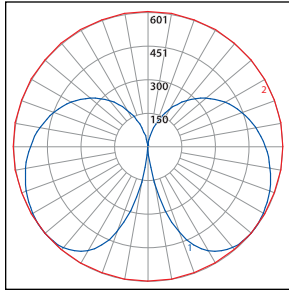
MOUNTING
Weight: **CL622:** 15.4 lbs (7 kg), **CL642:** 19 lbs (8.6 kg), **CL672:** 22.7 lbs (10.3 kg)
Mounts on a standard 4" (102mm) octagonal electrical box with 3 1/2" (89mm) C/C mounting holes. Fixture must be installed on a finished ceiling for exterior applications and/or when exposed to inclement weather.

36" (914mm)

CL622 37" (948mm)
CL642 61" (1547mm)
CL672 85" (2167mm)

CL622 26" (652mm)
CL642 49" (1251mm)
CL672 73" (1854mm)

CL622 24" (618mm)
CL642 48" (1217mm)
CL672 72" (1837mm)

Note: OAH increases by 3" for certain wattages. (housing increase)
Note: OAH increases by 4" with the addition of a downlight component

4" (110.8mm) Downlight component

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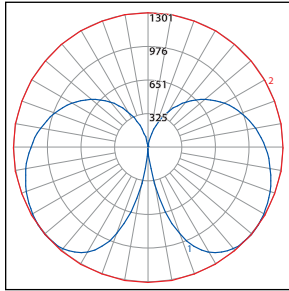
| 1

TYPICAL PHOTOMETRY SUMMARY

Descriptive Information

CL622-L4L50
Total Lms: 5695 Lumens
Total Input Watts: 58.8 W
Efficacy: 97 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 600 @ 42.5ºH/29ºV
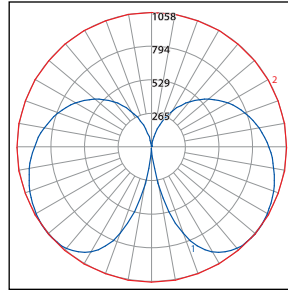
Descriptive Information

CL642-L8L100
Total Lms: 10,029 Lumens
Total Input Watts: 100.9 W
Efficacy: 99 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 1058 @ 42.5ºH/29ºV

Descriptive Information

CL672-L12L120
Total Lms: 12,329 Lumens
Total Input Watts: 121.2 W
Efficacy: 101 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 1301 @ 42.5ºH/29ºV

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

LUMINAIRE SELECTION

❶ MODEL#

White LED: CL622 CL642 CL672

RGBW LED (color for ref. only): CL622 CL642 CL672
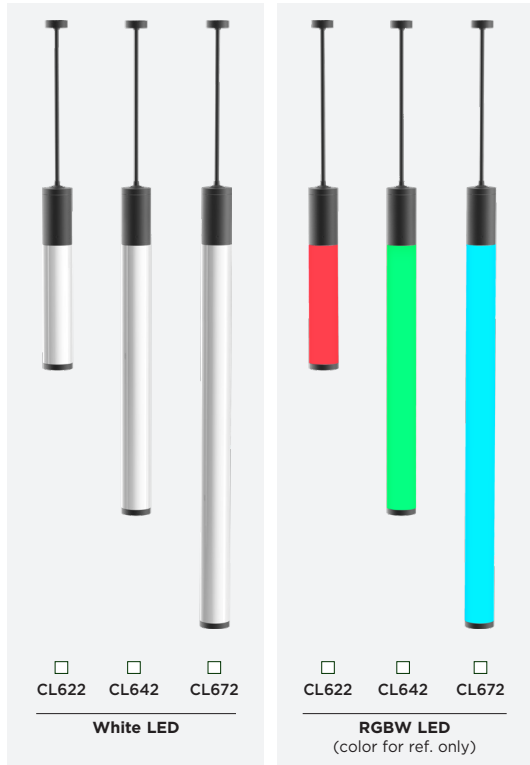
❷ LED LIGHT SELECTION

WHITE LED (4000K/ 80CRI)

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL622	L4L10	1210	11	605
	L4L20	2041	18	1020
	L4L30	3170	30	1585
	L4L40	4270	42	2135
	L4L50 [5]	5695	59	2847
CL642	L8L20	2217	20	554
	L8L40	4035	37	1008
	L8L60	5757	54	1439
	L8L80 [5]	8352	82	2088
	L8L100 [5]	10029	101	2507
CL672	L12L30	3224	29	537
	L12L60	6053	55	1008
	L12L90 [5]	8597	81	1432
	L12L120 [5]	12329	121	2054

RGBW SELECTION (CONTROLLED WITH DMX/RDM) [12, 13, 14]

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL622	L4RGBW	2046	35	1023
CL642	L8RGBW	4158	71	1039
CL672	L12RGBW	6272	108	1045

Note: Values are for total delivered lumens. For individual maximum output values, refer to page 3. White CCT is 4000K & 80CRI.

❸ VOLTAGE [1]

☐ 120V
☐ 277V

Optional
☐ 347V
☐ 480V

❹ FINISH

STANDARD COLORS

☐ WHT Snow white
☐ BKT Jet black
☐ BZT Bronze
☐ MST Matte silver
☐ GRT Titanium gray
☐ DGT Gun metal
☐ CHT Champagne
☐ SGT Steel gray
☐ BGT English cream

(Refer to color chart)

OPTIONAL COLORS

☐ CS Custom color
☐ RAL RAL# color

☐ MG Marine Grade [6]
(Ensure to also select the standard color)

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OPTIONS

ELECTRICAL

☐ FS	Fuse
☐ SP	Surge protector 10KV
☐ REML2-50	Remote mount battery backup for LED, 90 min., 7W Remote mount to 50ft - 12" Square enclosure with access cover. [2]
☐ EMLC4	Integral battery backup for LED, 90 min. 10W integral to luminaire. Available for models up to 80W only.

MOUNTING

☐ CAT3	Catenary suspension attachment with 12º adjustment mechanism
☐ STM	30º hang straight 36" stem. Please add length with option suffix. Stem is field cuttable. For 45º hang straight please consult factory. Max 36" for RGBW.
☐ SPG	Longer silver braided power cord. Please add length with option suffix. Dual SPG for RGBW. For indoor only.
☐ DSPG	36" silver braided power cord and gray DMX485 cable. (Other lenghts available, please specify). For indoor only. [12]
☐ SSC	Stabilizer cables. Available with STM option only.

ACCESSORIES

☐ FT6	Flat translucent bottom [3]. For indoor use only.

CCT & CRI

Alternate CCT ºK LED (LCF: Lumen conversion factor)

☐ K27	2700K CCT 80 CRI (LCF: 0.91)
☐ K3	3000K CCT 80 CRI (LCF: 0.94)
☐ K35	3500K CCT 80 CRI (LCF: 0.98)
☐ K4	4000K CCT 80 CRI (LCF: 1.00)

NOTE: Other CCT & higher CRI available, please consult factory.

DOWNLIGHT COMPONENT & REFLECTOR [4]

☐ DL1L15NR	24W downlight component with narrow beam, 9º optics (1401lms)
☐ DL1L20	20W downlight component (2155 Lms)
☐ DL1L40	44W downlight component (4211 Lms)
☐ R15	Narrow optics 15º
☐ R30	Flood optics 30º (standard)
☐ R55	Wide flood optics 52º

CONTROL

☐ NLTAIR2	nLight AIR Control gen2 embedded in canopy, with black antenna. [7, 8, 9, 10]

NOTES

1- If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.

2- The remote enclosure must be interior. When DL (downlight component) is selected, battery powers the DL module unless otherwise specified.

3- FT6 option can not be ordered in conjuction with any downlight component.

4- Must select downlight component and reflector (otherwise 30º reflector optics will be offered by default). Downlight CCT will match CCT selected for fixture. OAH of fixture will increase by 4" with the addition of a downlight component for all models (see image on page 1). 0-10V dimming only.

5- For certain wattages, an additional 3" will be applied to the housing.

6- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required please contact factory for info.

7- 120/277V only.

8- Installed in Ø11" or Ø15" canopy with STM/SPG. Refer to the mounting images for more details.

9- Not compatible with REML2-50, EMLC4, CAT3, DL.

10- White sensor available upon request.

11- OAH increases by 1" to 4" for RGBW models. See page 6 for details.

12- For STM option, max stem length is 36". For suspension cable option, RGBW uses DSPG only.

13- RGBW not compatible with 347V, 480V, REML2-50, EMLC4, DL, NLTAIR2.

14- RGBW CL622 can only go to -20ºC. Rest of the RGBW models can go to -40ºC.

RGBW DETAILS

RGBW DMX
Total delivered lumens [12, 13, 14]

Maximum output values

	WHITE 4000K			TOT RGB			TOT		
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
CL622	9	1041	521	26	1005	502	35	2046	1023
CL642	19	2123	531	52	2035	508	71	4158	1039
CL672	28	3205	534	79	3067	511	108	6272	1045

The fixtures will be delivered with the default address 1.

RGBW – DMX / RDM 4 channels
Users can generate any color by mixing the intensity of four independent red, green, blue and white channels.

COLOR	R	G	B	W
CHANNEL	1	2	3	4

NOTE: Default factory settings. Controller supplied by others.
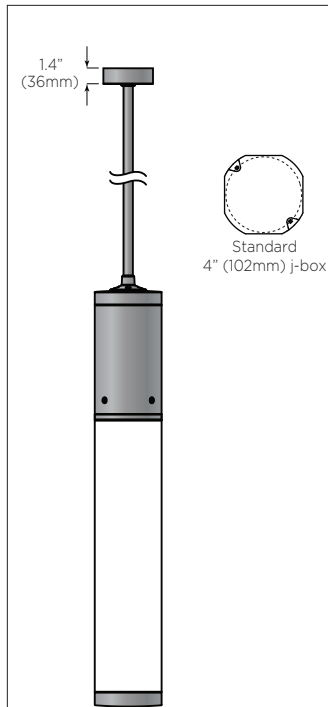
MOUNTING

STEM (STM)
Heavy duty 30º hang straight swivel, with Ø 4.5" (114mm) canopy and universal mounting plate.
Ø 7/8" x 36" (22mm x 914mm) suspension stem with aircraft safety cable.

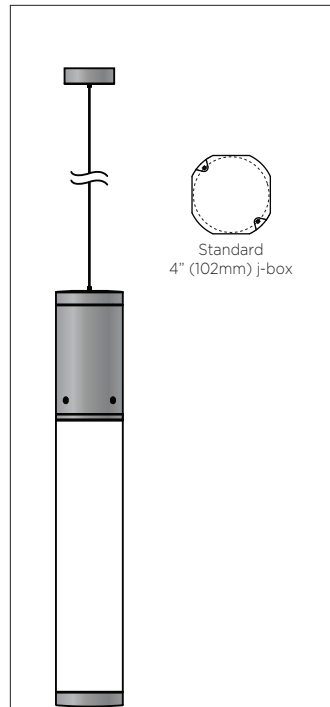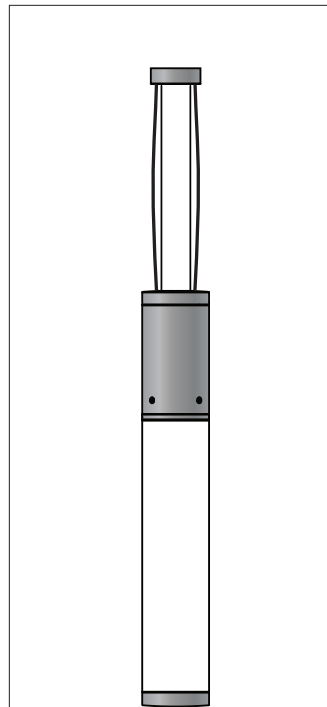Other lengths on request (specify STM with desired length).

1.4" (36mm)

Standard 4" (102mm) j-box

AIRCRAFT CABLE (SPG)
36" adjustable aircraft cable with silver braided power cable.

Other lengths on request (specify SPG with desired length).

Note: Spg option for indoor only.
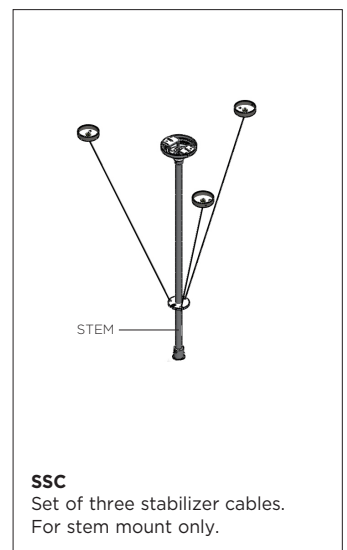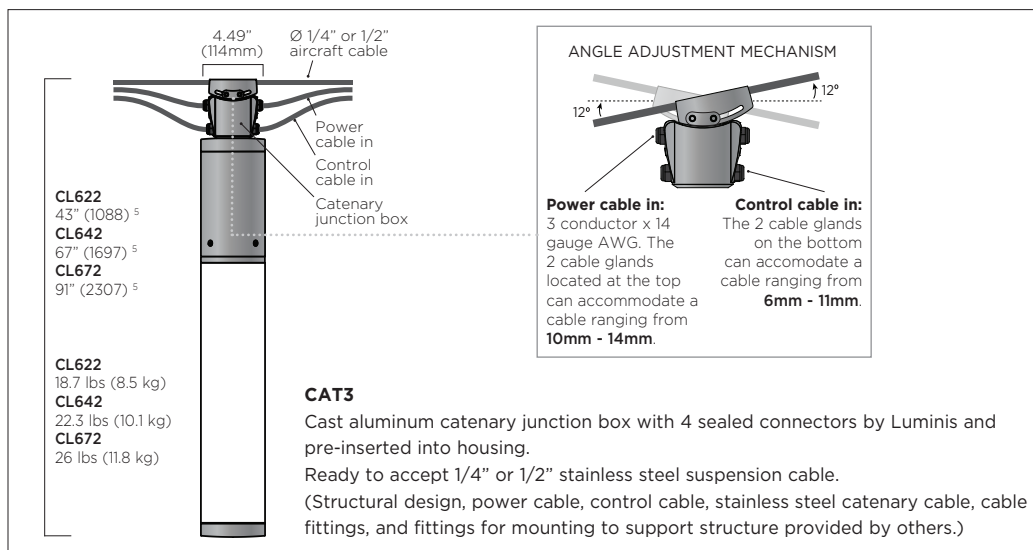
Standard 4" (102mm) j-box

DSPG
4/8 X 36" lg. silver braided power cable c/w 36" lg. gray DMX RS-485 cable. On site adjustable aircraft safety cable. Please add desired length with suffix.
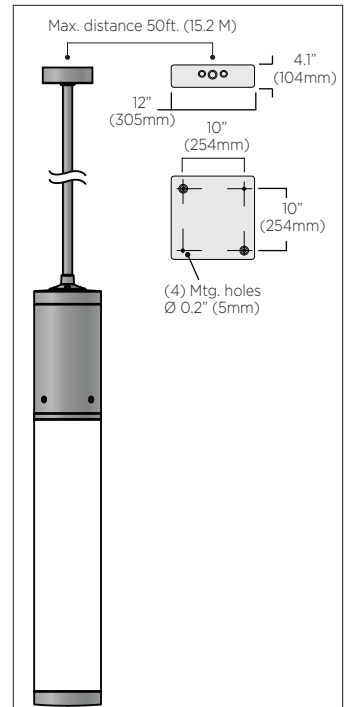
REMOTE EMERGENCY (REML2-50)
7W Remote mount 120/277V emergency battery pack. Test switch provided within enclosure with 5" (127mm) leads.

Applicable for both STM and SPG options.

Max. distance 50ft. (15.2 M)
4.1" (104mm)
12" (305mm)
10" (254mm)
10" (254mm)
(4) Mtg. holes Ø 0.2" (5mm)

4.49" (114mm)
Ø 1/4" or 1/2" aircraft cable
Power cable in
Control cable in
Catenary junction box

CL622
43" (1088) 5
CL642
67" (1697) 5
CL672
91" (2307) 5

CL622
18.7 lbs (8.5 kg)
CL642
22.3 lbs (10.1 kg)
CL672
26 lbs (11.8 kg)

CAT3
Cast aluminum catenary junction box with 4 sealed connectors by Luminis and pre-inserted into housing.
Ready to accept 1/4" or 1/2" stainless steel suspension cable.
(Structural design, power cable, control cable, stainless steel catenary cable, cable fittings, and fittings for mounting to support structure provided by others.)

ANGLE ADJUSTMENT MECHANISM
12°
12°

Power cable in:
3 conductor x 14 gauge AWG. The 2 cable glands located at the top can accommodate a cable ranging from **10mm - 14mm**.

Control cable in:
The 2 cable glands on the bottom can accommodate a cable ranging from **6mm - 11mm**.

STEM

SSC
Set of three stabilizer cables.
For stem mount only.

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MOUNTING

CANOPY TOP VIEW

Ø 11"
(287mm)

1.5"
(38mm)

Mounting
points on
ceiling (4x)

2"
(50.8mm)

Ø 11"
(287mm)

Junction box
(for reference)

3"
(76.2mm)

3.5"
(88.9mm)

6"
(152.4mm)

NLTAIR2 (STM & SPG) 📶
Ø11" canopy with nLight AIR Control gen2 and
black antenna.

For the follwing light sources:
L4L10, L4L20, L4L30, L4L40
L8L20, L8L40
L12L30

CANOPY TOP VIEW

Ø 15"
(391mm)

2.6"
(66mm)

Junction box
opening

Ø 11"
(279mm)

(4) Mtg. holes
Ø 0.3" (7.6mm)

NLTAIR2 (STM & SPG) 📶
Ø15" canopy with nLight AIR Control gen2 and
black antenna.

For the follwing light sources:
L4L50
L8L60, L8L80, L8L100
L12L60, L12L90, L12L120

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RGBW DIMENSIONS

36"
(914mm)

CL622
38" (974mm)
CL642
65" (1655mm)
CL672
89" (2265mm)

CL622
25" (654mm)
CL642
49" (1254mm)
CL672
73" (1864mm)

OAH[11]
OAH increases by 1" to 4" for RGBW models.

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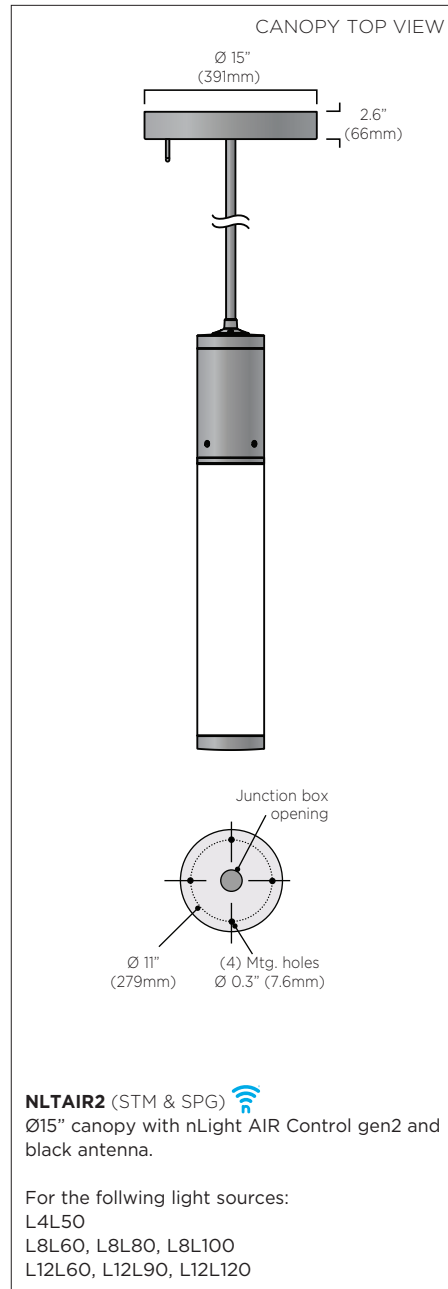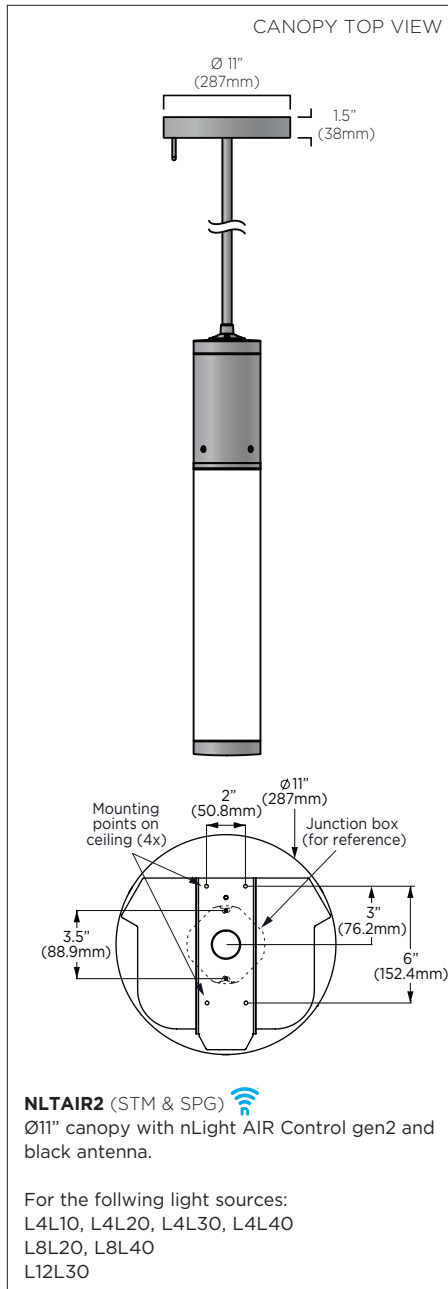260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

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