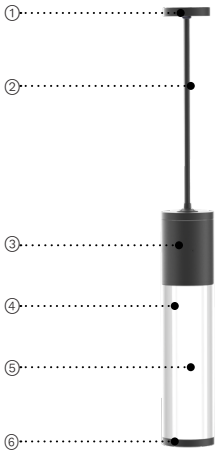
LUMINIS®

CL822/CL842/CL872
LUMISTIK
PENDANT/CATENARY

PROJECT NAME: **QUANTITY:** **TYPE:**

ORDERING CODE:



① Heavy duty 30° hang straight swivel, with Ø 7” (178mm) canopy.

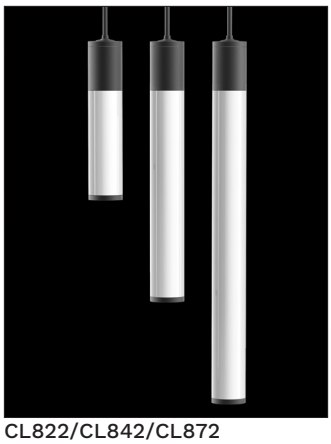
② Field adjustable suspension stem or silver braided power cable with aircraft safety cable. Also, offered with a catenary suspension attachment.

③ Ø 8” (203mm) extruded aluminum housing and driver enclosure.

④ Ø 8” (203mm) High impact white translucent acrylic diffuser UV stabilized.

⑤ LED array.

⑥ Heavy cast aluminum cover with embedded heat sink.



CL822/CL842/CL872

MATERIALS

Lumistik pendant is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. LED boards are enclosed 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.

ELECTRICAL DRIVER

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

LED LIGHT ENGINE

Offered in 2700K/3000K/3500K/4000K CCT with 80 CRI. Optional RGBW. 60,000hrs L70B50 (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

UL Certified to Canadian and U.S. safety standards. Certified for use in wet locations. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

WARRANTY

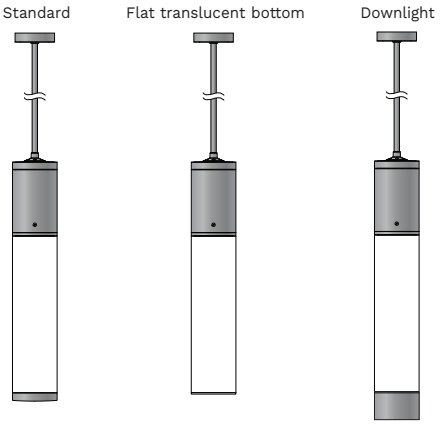
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: https://www.acuitybrands.com/support/warranty/terms-and-conditions

MOUNTING

Mounts aligned over a standard 4” (102mm) octagonal electrical box with a set of four additional anchoring hardware by others. Fixture must be installed on a finished ceiling for exterior applications and/or when exposed to inclement weather.

MEASUREMENTS

Maximum weight: CL822: 24.8 lbs (11.3 kg)
CL842: 29.5 lbs (13.4 kg)
CL872: 34 lbs (15.5 kg).



Note: Refer to dimension details for measurements.

LUMINIS.COM
Toll free: (866) 586-4647 | Fax: (514) 683-8872 | Email: info@luminis.com
260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

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ORDERING CODE

*SERIES

CL822

*LIGHT OUTPUT

Static White

L4L10	1347 lm/11w (73 lm/ft)
L4L20	2022 lm/16w (1011 lm/ft)
L4L30	3743 lm/32w (1871 lm/ft)
L4L40	4333 lm/38w (2166 lm/ft)
L4L50	5581 lm/50w (2790 lm/ft)

RGBW

L4RGBW	2277 lm/35w (1138 lm/ft)[1,2,3]

Delivered lumens calculated at 4000K/80CRI except for RGBW. Typical power consumption. Refer to LCF table for outputs at other CCTs. For RGBW, values are for total delivered lumens. For individual maximum output values, refer to RGBW details section.

*CCT

27K	2700K
30K	3000K
35K	3500K
40K	4000K
RGBW	RGB + white 4000K

*VOLTAGE

120	120V
277	277V
347	347V
480	480V
HVOLT	347V-480V
MVOLT	120V-277V

ADDITIONAL LIGHT[4]

DL1L20	2000 lm downlight, 20w
DL1L25NR	2500 lm downlight with very narrow optic 9˚, 44w
DL1L40	4000 lm downlight, 44w

ADDITIONAL LIGHT DISTRIBUTION

VNRA	Very narrow optic 9˚[5]
NRA	Narrow optic 12˚
FLDA	Flood optic 28˚
WDA	Wide optic 38˚
VWDA	Very wide optic 55˚

*MOUNTING

CAT3	Catenary suspension attachment
SPG	Silver braided power cord with aircraft cable[6]
STM	Field-cuttable hang straight stem

SUSPENSION LENGTH

12IN	12"
24IN	24"
36IN	36"
48IN	48"
60IN	60"

Available up to 240" in 12" increments. Required field for SPG, STM.

MOUNTING ACCESSORY

STC	Set of 3 stabilizer cables[7]

CONTROLS

NLTAIR2	nLight AIR 2.0 control embedded in canopy with black antenna[8]

LENS/DIFFUSER

FT8	Flat translucent bottom[6,9]

FUSE

FS	Fuse

SURGE PROTECTOR

SP	Surge protector 10KV

EMERGENCY

EM10	Integral emergency battery, 90 min, 10w[9,10]
REM7	Remote emergency battery, 90 min, 7W[11]

*FINISH

BKT	Jet black
BZT	Bronze
CHT	Champagne
DGT	Gun metal
GRT	Titanium gray
MST	Matte silver
SGT	Steel gray
WHT	Snow white
CMC	Custom matched color[12]
RAL	RAL color[13]

ENVIRONMENT

MG	Marine grade paint[14]

NOTES

*- Denotes a required field

1- Not available with 347V, 480V, HVOLT, REM7, EM10, DL1L25NR, DL1L20, DL1L40 or NLTAIR2.

2- RGBW CL822 models can only go to -20˚C. For STM option, max stem length is 36".

3- Available only with RGBW option.

4- CCT will match CCT selected for fixture. OAH of fixture will increase by 5" with the addition of a downlight component for all models. See option details for more information. 0-10V dimming only. Additional light is not controlled independently.

5- Available only with DL1L25NR. Not available with 27K, 35K.

6- Not suitable for outdoor locations.

7- Available only with STM.

8- Available only with 120V or 277V. Installed in Ø11" or Ø15" canopy with STM/SPG. Refer to the mounting images for more details. Not available with REM7, EM10, DL1L25NR, DL1L20, DL1L40 or CAT3.

9- Not available with DL1L25NR, DL1L20, DL1L40.

10- Available only on models up to 80w.

11- Remote mount 50ft - 12" square enclosure with access cover. The remote enclosure must be interior. Cable between fixture and remote box is provided by other. When a downlight component is selected, battery powers the DL module unless otherwise specified. Not available with 347V, 480V, HVOLT or CAT3.

12- Contact factory to coordinate custom matching color.

13- Specify RAL number.

14- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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ORDERING CODE

*SERIES	*LIGHT OUTPUT	*CCT	*VOLTAGE	ADDITIONAL LIGHT[5]
CL842	Static White **L8L20** 2241 lm/18w (560 lm/ft) **L8L40** 4267 lm/35w (1066 lm/ft) **L8L60** 5972 lm/50w (1493 lm/ft) **L8L80** 8455 lm/74w (2113 lm/ft)[1] **L8L100** 10749 lm/97w (2687 lm/ft)[1] RGBW **L8RGBW** 4627 lm/71w (1158 lm/ft)[2,3,4] **Delivered lumens calculated at 4000K/80CRI except for RGBW. Typical power consumption. Refer to LCF table for outputs at other CCTs. For RGBW, values are for total delivered lumens. For individual maximum output values, refer to RGBW details section.**	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **RGBW** RGB + white 4000K	**120** 120V **277** 277V **347** 347V **480** 480V **HVOLT** 347V-480V **MVOLT** 120V-277V	**DL1L20** 2000 lm downlight, 20w **DL1L25NR** 2500 lm downlight with very narrow optic 9˚, 44w **DL1L40** 4000 lm downlight, 44w

ADDITIONAL LIGHT DISTRIBUTION	*MOUNTING	SUSPENSION LENGTH	MOUNTING ACCESSORY	CONTROLS
VNRA Very narrow optic 9˚[6] **NRA** Narrow optic 12˚ **FLDA** Flood optic 28˚ **WDA** Wide optic 38˚ **VWDA** Very wide optic 55˚	**CAT3** Catenary suspension attachment **SPG** Silver braided power cord with aircraft cable[7] **STM** Field-cuttable hang straight stem	**12IN** 12" **24IN** 24" **36IN** 36" **48IN** 48" **60IN** 60" **Available up to 240" in 12" increments. Required field for SPG, STM.**	**STC** Set of 3 stabilizer cables[8]	**NLTAIR2** nLight AIR 2.0 control embedded in canopy with black antenna[9]

LENS/DIFFUSER	FUSE	SURGE PROTECTOR	EMERGENCY	*FINISH	ENVIRONMENT
FT8 Flat translucent bottom[7,10]	**FS** Fuse	**SP** Surge protector 10KV	**EM10** Integral emergency battery, 90 min, 10w[10,11] **REM7** Remote emergency battery, 90 min, 7W[12]	**BKT** Jet black **BZT** Bronze **CHT** Champagne **DGT** Gun metal **GRT** Titanium gray **MST** Matte silver **SGT** Steel gray **WHT** Snow white **CMC** Custom matched color[13] **RAL** RAL color[14]	**MG** Marine grade paint[15]

NOTES

*- Denotes a required field

1- An additional 3" will be applied to the housing for these models.

2- Not available with 347V, 480V, HVOLT, REM7, EM10, DL1L25NR, DL1L20, DL1L40 or NLTAIR2.

3- For STM option, max stem length is 36".

4- Available only with RGBW option.

5- CCT will match CCT selected for fixture. OAH of fixture will increase by 5" with the addition of a downlight component for all models. See option details for more information. 0-10V dimming only. Additional light is not controlled independently.

6- Available only with DL1L25NR. Not available with 27K, 35K.

7- Not suitable for outdoor locations.

8- Available only with STM.

9- Available only with 120V or 277V. Installed in Ø11" or Ø15" canopy with STM/SPG. Refer to the mounting images for more details. Not available with REM7, EM10, DL1L25NR, DL1L20, DL1L40 or CAT3.

10- Not available with DL1L25NR, DL1L20, DL1L40.

11- Available only on models up to 80w.

12- Remote mount 50ft - 12" square enclosure with access cover. The remote enclosure must be interior. Cable between fixture and remote box is provided by other. When a downlight component is selected, battery powers the DL module unless otherwise specified. Not available with 347V, 480V, HVOLT or CAT3.

13- Contact factory to coordinate custom matching color.

14- Specify RAL number.

15- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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ORDERING CODE

*SERIES	*LIGHT OUTPUT	*CCT	*VOLTAGE	ADDITIONAL LIGHT[5]
CL872	Static White **L12L30** 3361 lm/27w (560 lm/ft) **L12L60** 5842 lm/47w (973 lm/ft) **L12L90** 8631 lm/72w (1438 lm/ft)[1] **L12L120** 12060 lm/104w (2010 lm/ft)[1] **L12L150** 15802 lm/142w (2633 lm/ft)[1] RGBW **L12RGBW** 6979 lm/108w (1164lm/ft)[2,3,4] **Delivered lumens calculated at 4000K/80CRI except for RGBW. Typical power consumption. Refer to LCF table for outputs at other CCTs. For RGBW, values are for total delivered lumens. For individual maximum output values, refer to RGBW details section.**	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **RGBW** RGB + white 4000K	**120** 120V **277** 277V **347** 347V **480** 480V **HVOLT** 347V-480V **MVOLT** 120V-277V	**DL1L20** 2000 lm downlight, 20w **DL1L25NR** 2500 lm downlight with very narrow optic 9˚, 44w **DL1L40** 4000 lm downlight, 44w

ADDITIONAL LIGHT DISTRIBUTION	*MOUNTING	SUSPENSION LENGTH	MOUNTING ACCESSORY	CONTROLS
VNRA Very narrow optic 9˚[6] **NRA** Narrow optic 12˚ **FLDA** Flood optic 28˚ **WDA** Wide optic 38˚ **VWDA** Very wide optic 55˚	**CAT3** Catenary suspension attachment **SPG** Silver braided power cord with aircraft cable[7] **STM** Field-cuttable hang straight stem	**12IN** 12" **24IN** 24" **36IN** 36" **48IN** 48" **60IN** 60" **Available up to 240" in 12" increments.** **Required field for SPG, STM.**	**STC** Set of 3 stabilizer cables[8]	**NLTAIR2** nLight AIR 2.0 control embedded in canopy with black antenna[9]

LENS/DIFFUSER	FUSE	SURGE PROTECTOR	EMERGENCY	*FINISH	ENVIRONMENT
FT8 Flat translucent bottom[7,10]	**FS** Fuse	**SP** Surge protector 10KV	**EM10** Integral emergency battery, 90 min, 10w[10,11] **REM7** Remote emergency battery, 90 min, 7W[12]	**BKT** Jet black **BZT** Bronze **CHT** Champagne **DGT** Gun metal **GRT** Titanium gray **MST** Matte silver **SGT** Steel gray **WHT** Snow white **CMC** Custom matched color[13] **RAL** RAL color[14]	**MG** Marine grade paint[15]

NOTES

*- Denotes a required field

1- An additional 3" will be applied to the housing for these models.

2- Not available with 347V, 480V, HVOLT, REM7, EM10, DL1L25NR, DL1L20, DL1L40 or NLTAIR2.

3- For STM option, max stem length is 36".

4- Available only with RGBW option.

5- CCT will match CCT selected for fixture. OAH of fixture will increase by 5" with the addition of a downlight component for all models. See option details for more information. 0-10V dimming only. Additional light is not controlled independently.

6- Available only with DL1L25NR. Not available with 27K, 35K.

7- Not suitable for outdoor locations.

8- Available only with STM.

9- Available only with 120V or 277V. Installed in Ø11" or Ø15" canopy with STM/SPG. Refer to the mounting images for more details. Not available with REM7, EM10, DL1L25NR, DL1L20, DL1L40 or CAT3.

10- Not available with DL1L25NR, DL1L20, DL1L40.

11- Available only on models up to 80w.

12- Remote mount 50ft - 12" square enclosure with access cover. The remote enclosure must be interior. Cable between fixture and remote box is provided by other. When a downlight component is selected, battery powers the DL module unless otherwise specified. Not available with 347V, 480V, HVOLT or CAT3.

13- Contact factory to coordinate custom matching color.

14- Specify RAL number.

15- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

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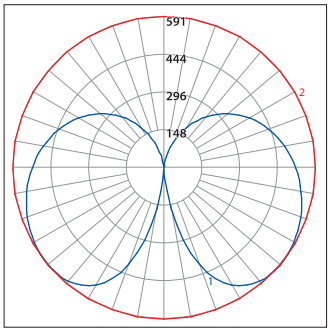
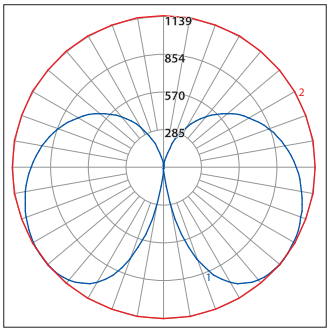
TYPICAL PHOTOMETRY SUMMARY

CL822-L4L50



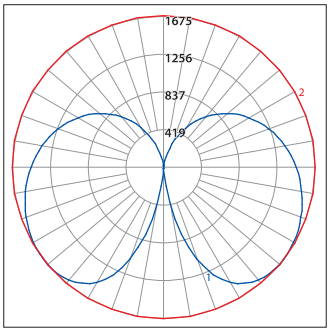
Total Lms: 5581 Lumens
Total Input Watts: 50.4 W
Efficacy: 111 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 591 @ 47.5°/25.5°V

CL842-L8L100



Total Lms: 10,749 Lumens
Total Input Watts: 96.6 W
Efficacy: 112 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 1139 @ 47.5°/25.5°V

CL872-L12L150



Total Lms: 15,802 Lumens
Total Input Watts: 142.2 W
Efficacy: 111 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 1674 @ 47.5°/25.5°V

LUMEN CONVERSION FACTOR (LCF)		
CCT	CRI	LCF
2700K	80	0.91
3000K	80	0.94
3500K	80	0.98
4000K	80	1.00

All Photometry shown use the 80CRI 4000K LEDs.
Please visit our web site www.luminis.com for complete I.E.S. file.

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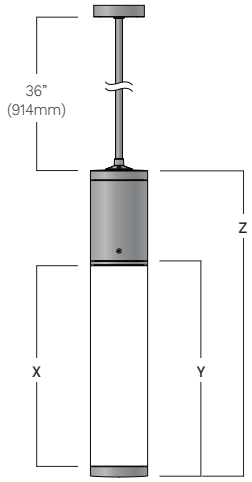
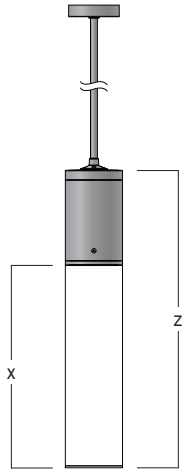
DIMENSION DETAILS

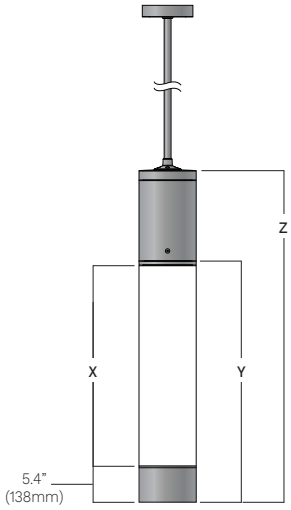
STANDARD
A



FLAT TRANSLUCENT BOTTOM (FT8)
B



DOWNLIGHT (DL)
C



For the following outputs:
CL822: L4L10, L4L20, L4L30, L4L40
CL842: L8L20, L8L40, L8L60
CL872: L12L30, L12L60

	Model	X	Y	(OAH) Z
A	CL822	24.3" (618mm)	26.2" (667mm)	37.3" (947mm)
	CL842	47.9" (1217mm)	49.8" (1265mm)	60.9" (1546mm)
	CL872	72.3" (1837mm)	74.2" (1886mm)	85.3" (2166mm)
B	CL822 FT6	25.4" (644mm)	—	37.3" (946mm)
	CL842 FT6	49.3" (1253mm)	—	61.2" (1555mm)
	CL872 FT6	73.4" (1863mm)	—	85.2" (2165mm)
C	CL822 DL	24.3" (618mm)	29.4" (746mm)	40.4" (1026mm)
	CL842 DL	47.9" (1217mm)	52.9" (1344mm)	64.0" (1625mm)
	CL872 DL	72.3" (1837mm)	77.3" (1965mm)	88.4" (2245mm)

For the following outputs:
CL822: L4L50
CL842: L8L80, L8L100
CL872: L12L90, L12L120, L12L150

	Model	X	Y	(OAH) Z
A	CL822	24.3" (618mm)	26.2" (667mm)	40.1" (1019mm)
	CL842	47.9" (1217mm)	49.8" (1265mm)	63.7" (1618mm)
	CL872	72.3" (1837mm)	74.2" (1886mm)	88.1" (2238mm)
B	CL822 FT8	25.4" (644mm)	—	40.1" (1018mm)
	CL842 FT8	49.3" (1253mm)	—	64.1" (1627mm)
	CL872 FT8	73.4" (1863mm)	—	88.1" (2237mm)
C	CL822 DL	24.3" (618mm)	30.4" (771mm)	44.2" (1124mm)
	CL842 DL	47.9" (1217mm)	53.9" (1370mm)	67.8" (1723mm)
	CL872 DL	72.3" (1837mm)	78.3" (1990mm)	92.2" (2343mm)

For all the outputs:

	Model	X	Y	(OAH) Z
A	CL822 RGBW	25.4" (645mm)	27.3" (694mm)	38.4" (974mm)
	CL842 RGBW	49.4" (1254mm)	51.3" (1303mm)	65.2" (1655mm)
	CL872 RGBW	73.4" (1864mm)	75.3" (1913mm)	89.2" (2265mm)
B	CL822 RGBW + FT8	26.4" (671mm)	—	38.3" (973mm)
	CL842 RGBW + FT8	50.4" (1280mm)	—	65.1" (1654mm)
	CL872 RGBW + FT8	74.4" (1890mm)	—	89.1" (2264mm)

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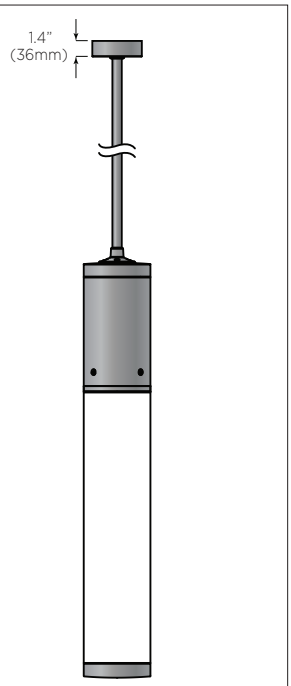
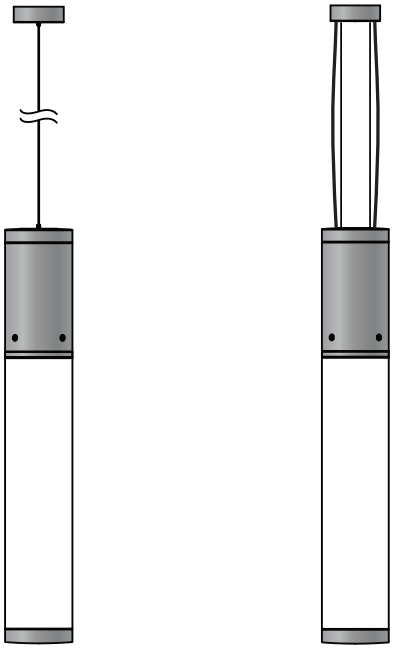
OPTION DETAILS

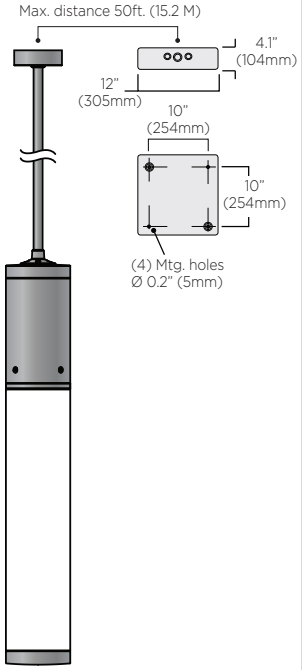


STM
Heavy duty 30° hang straight swivel, with Ø 7" (178mm) canopy.
Ø 7/8" x 36" (22mm x 914mm) suspension stem with aircraft safety cable.



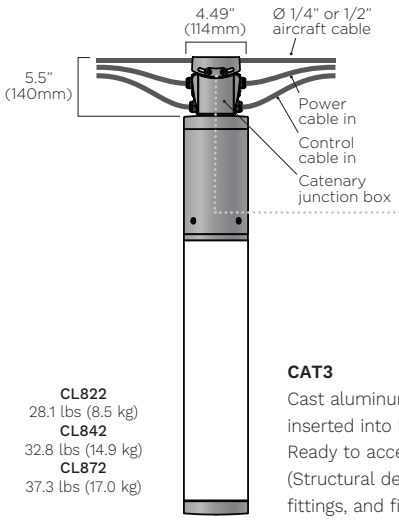
SPG
Silver braided power cord with onsite adjustable aircraft safety cable. Second cord added to models with the following options: RGBW

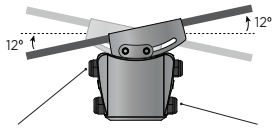
Note: For indoor only.



REM7
7W Remote mount 120/277V emergency battery pack. Test switch provided within enclosure with 5" (127mm) leads.

Applicable for both STM and SPG options.



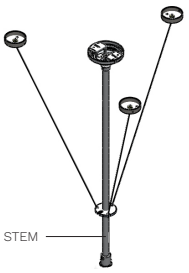


Power cable in:
3 conductor x 14 gauge AWG. The 2 cable glands located at the top can accommodate a cable ranging from **10mm - 14mm**.

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

CL822
28.1 lbs (8.5 kg)
CL842
32.8 lbs (14.9 kg)
CL872
37.3 lbs (17.0 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.)



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

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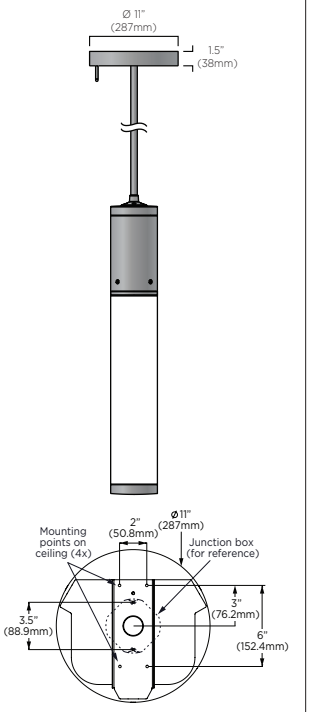
OPTION DETAILS

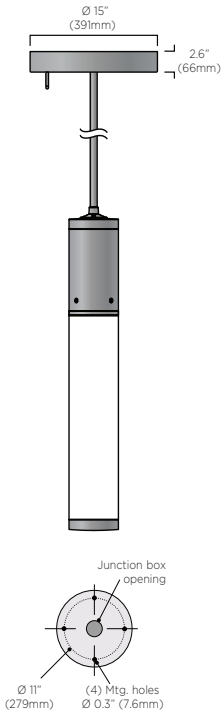
CANOPY TOP VIEW



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



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, L12L150

RGBW DMX DETAILS

TOTAL DELIVERED LUMENS

Maximum output values

	WHITE 4000K			TOT RGB			TOT		
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
CL822	9	1159	579	26	1118	559	35	2277	1138
CL842	19	2363	591	52	2264	567	71	4627	1158
CL872	28	3567	595	80	3412	569	108	6979	1164

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.

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