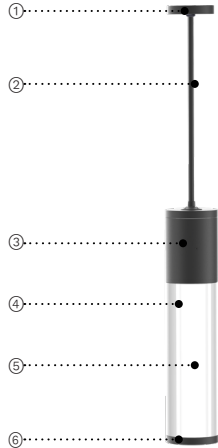
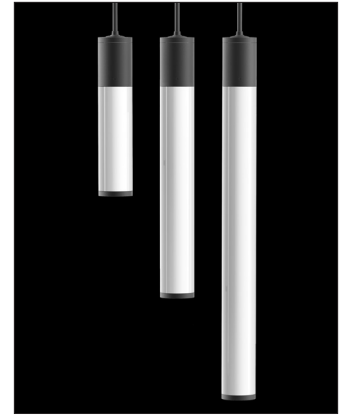


PROJECT NAME: _____ QUANTITY: _____ TYPE: _____

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

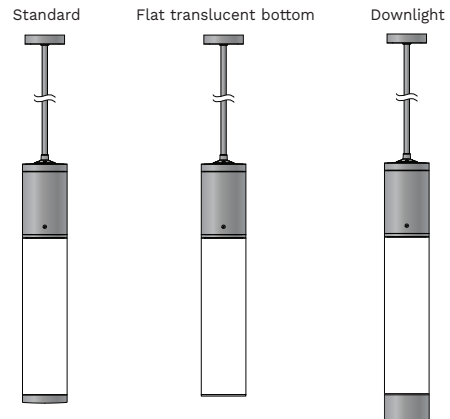
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: <https://www.acuitybrands.com/support/warranty/terms-and-conditions>

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

CL822/CL842/CL872

Rev. 12/09/24

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*CCT	*VOLTAGE	ADDITIONAL LIGHT ⁴
CL822 	<u>Static White</u>	27K 2700K	120 120V	DL1L20 2000 lm downlight, 20w
	L4L10 1347 lm/11w (73 lm/ft)	30K 3000K	277 277V	DL1L25NR 2500 lm downlight with very narrow optic 9°, 44w
	L4L20 2022 lm/16w (1011 lm/ft)	35K 3500K	347 347V	
	L4L30 3743 lm/32w (1871 lm/ft)	40K 4000K	480 480V	DL1L40 4000 lm downlight, 44w
	L4L40 4333 lm/38w (2166 lm/ft)	RGBW RGB + white 4000K	HVOLT 347V-480V	
	L4L50 5581 lm/50w (2790 lm/ft)		MVOLT 120V-277V	
	<u>RGBW</u>			
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.				


ADDITIONAL LIGHT DISTRIBUTION	*MOUNTING	SUSPENSION LENGTH	MOUNTING ACCESSORY	CONTROLS
VNRA Very narrow optic 9° ⁵ 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 ⁶ STM Field-cutttable 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 ⁷	NLTAIR2 nLight AIR 2.0 control embedded in canopy with black antenna ⁸

LENS/DIFFUSER	FUSE	SURGE PROTECTOR	EMERGENCY	*FINISH	ENVIRONMENT
FT8 Flat translucent bottom ^{6,9}	FS Fuse	SP Surge protector 10KV	EM10 Integral emergency battery, 90 min, 10w ^{9,10} REM7 Remote emergency battery, 90 min, 7W ¹¹	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	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.
- 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.

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*CCT	*VOLTAGE	ADDITIONAL LIGHT ⁵
CL842 	<u>Static White</u>	27K 2700K	120 120V	DL1L20 2000 lm downlight, 20w
	L8L20 2241 lm/18w (560 lm/ft)	30K 3000K	277 277V	DL1L25NR 2500 lm downlight with very narrow optic 9°, 44w
	L8L40 4267 lm/35w (1066 lm/ft)	35K 3500K	347 347V	
	L8L60 5972 lm/50w (1493 lm/ft)	40K 4000K	480 480V	DL1L40 4000 lm downlight, 44w
	L8L80 8455 lm/74w (2113 lm/ft) ¹	RGBW RGB + white 4000K	HVOLT 347V-480V	
	L8L100 10749 lm/97w (2687 lm/ft) ¹		MVOLT 120V-277V	
	<u>RGBW</u>			
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.				


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

LENS/DIFFUSER	FUSE	SURGE PROTECTOR	EMERGENCY	*FINISH	ENVIRONMENT
FT8 Flat translucent bottom ¹⁰	FS Fuse	SP Surge protector 10KV	EM10 Integral emergency battery, 90 min, 10w ^{10,11}	BKT Jet black	MG Marine grade paint ¹⁵
			REM7 Remote emergency battery, 90 min, 7W ¹²	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	

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.
- 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.

ORDERING CODE

*SERIES	*LIGHT OUTPUT	*CCT	*VOLTAGE	ADDITIONAL LIGHT ⁵
 CL872	<u>Static White</u>	27K 2700K	120 120V	DL1L20 2000 lm downlight, 20w
	L12L30 3361 lm/27w (560 lm/ft)	30K 3000K	277 277V	DL1L25NR 2500 lm downlight with very narrow optic 9°, 44w
	L12L60 5842 lm/47w (973 lm/ft)	35K 3500K	347 347V	
	L12L90 8631 lm/72w (1438 lm/ft) ¹	40K 4000K	480 480V	DL1L40 4000 lm downlight, 44w
	L12L120 12060 lm/104w (2010 lm/ft) ¹	RGBW RGB + white 4000K	HVOLT 347V-480V	
	L12L150 15802 lm/142w (2633 lm/ft) ¹		MVOLT 120V-277V	
	<u>RGBW</u>			
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.				

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

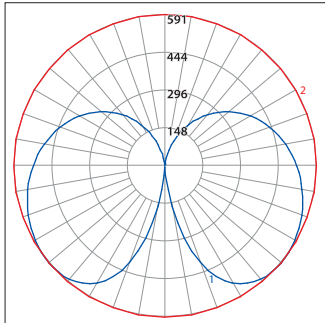
LENS/DIFFUSER	FUSE	SURGE PROTECTOR	EMERGENCY	*FINISH	ENVIRONMENT
FT8 Flat translucent bottom ^{7,10}	FS Fuse	SP Surge protector 10KV	EM10 Integral emergency battery, 90 min, 10w ^{10,11}	BKT Jet black	MG Marine grade paint ¹⁵
			REM7 Remote emergency battery, 90 min, 7W ¹²	BZT Bronze	
				CHT Champagne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

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.
- 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.

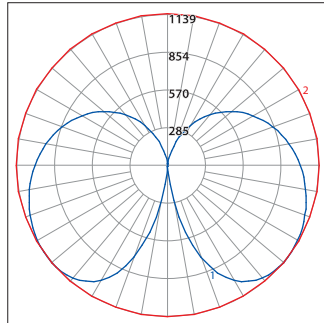
TYPICAL PHOTOMETRY SUMMARY

CL822-L4L50



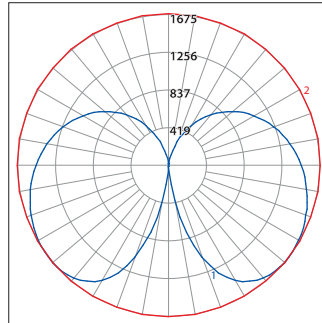
Total Lms: 5581 Lumens
Total Input Watts: 50.4 W
Efficacy: 111 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 591 @
 47.5°/25.5°V

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

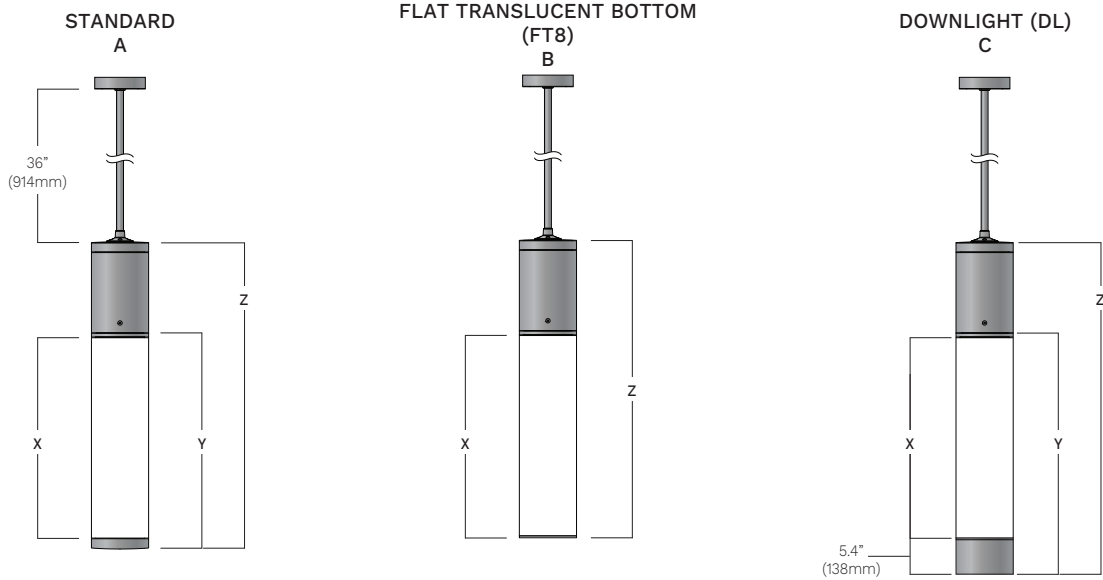


Total Lms: 15,802 Lumens
Total Input Watts: 142.2 W
Efficacy: 111 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 1674 @
 47.5°/25.5°V

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.

DIMENSION DETAILS



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)

OPTION DETAILS

STM
 Heavy duty 30° 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.

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.

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

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.

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

OPTION DETAILS

CANOPY TOP VIEW

$\text{Ø } 11''$ (287mm)
 1.5" (38mm)

$\text{Ø } 11''$ (287mm)
 2" (50.8mm)
 Mounting points on ceiling (4x)
 3.5" (88.9mm)
 3" (76.2mm)
 6" (152.4mm)
 Junction box (for reference)

NLTAIR2 (STM & SPG)
 $\text{Ø } 11''$ canopy with nLight AIR
 Control gen2 and black antenna.

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

CANOPY TOP VIEW

$\text{Ø } 15''$ (391mm)
 2.6" (66mm)

$\text{Ø } 11''$ (279mm)
 (4) Mtg. holes $\text{Ø } 0.3''$ (7.6mm)
 Junction box opening

NLTAIR2 (STM & SPG)
 $\text{Ø } 15''$ canopy with nLight AIR
 Control gen2 and black antenna.

For the following 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.