LUMINIS®

CL312/CL322/CL342 SERIES
LumiSTIK - LED
3" PENDANT

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE	LED LIGHT SELECTION	VOLTAGE	FINISH	OPTION	OPTION	OPTION	OPTION

CL312/CL322/CL342
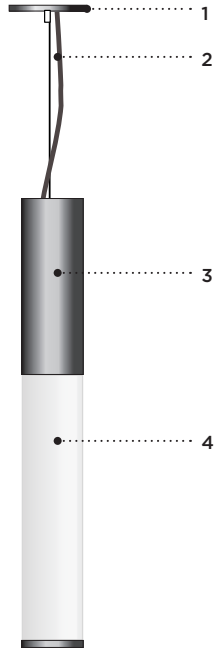
1- Ø 5.2" (132mm) ceiling mount canopy.
2- 36" lg. (914mm) silver braided power cord with aircraft safety cable.
Other lengths available on request (specify SPG with desired length).
3- Ø 3" (76mm) seamless extruded aluminum housing for electrical components.
4- Ø 3" (76mm) white translucent high impact UV stabilized acrylic lens.
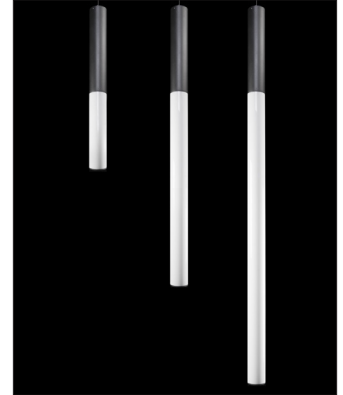
MATERIALS

LumiSTIK pendant is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.
LED is 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 -30ºC/-22ºF to 60ºC/140ºF, output over voltage protection, output over current protection, output short circuit protection with auto-recovery. Driver for RGBW operating temperature range -40ºC to +50ºC/-4ºF to +122ºF

LED   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.
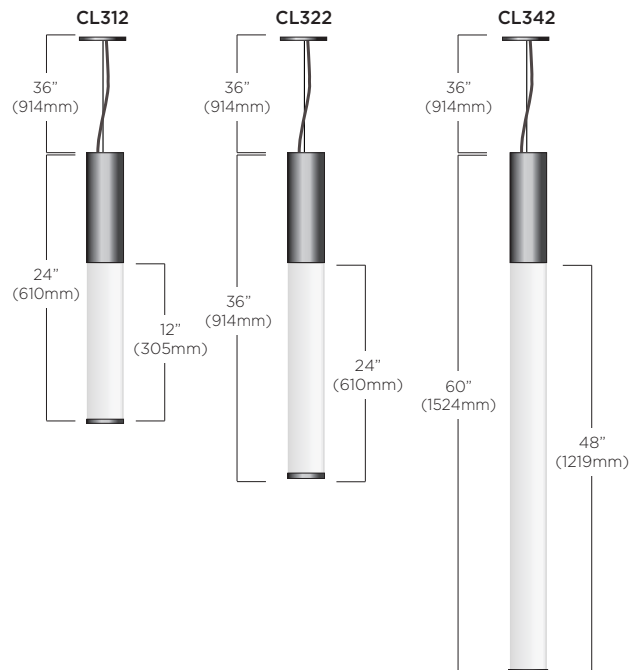
CERTIFICATION

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. Rated IP65.

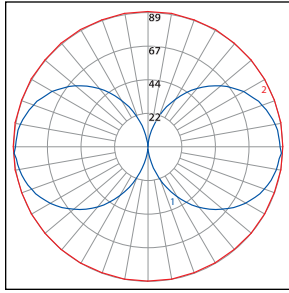The ceiling canopy is Damp location only.

MOUNTING

Weight: **CL312:** 4 lbs (1.9 kg), **CL322:** 5 lbs (2.3 kg), **CL342:** 7 lbs (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.

CL312
36" (914mm)
24" (610mm)
12" (305mm)

CL322
36" (914mm)
36" (914mm)
24" (610mm)

CL342
36" (914mm)
60" (1524mm)
48" (1219mm)

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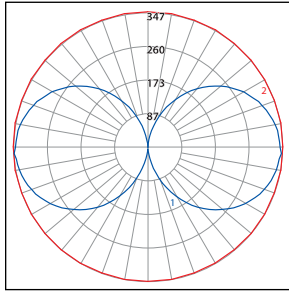
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TYPICAL PHOTOMETRY SUMMARY

Descriptive Information

CL312-L4L8
Total Lms: 830 Lumens
Total Input Watts: 10 W
Efficacy: 83 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 89 @ 0°H/87.5°V
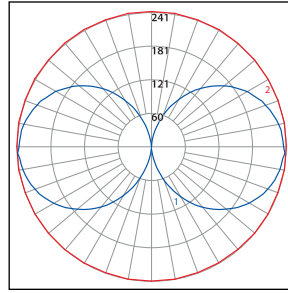
Descriptive Information

CL322-L4L20
Total Lms: 2250 Lumens
Total Input Watts: 30 W
Efficacy: 75 Lumens/Watt
CCT/CRI: 4000K/80
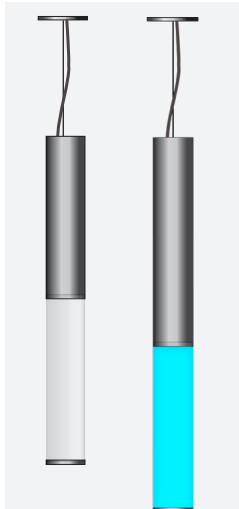Maximum Candela: 241 @ 0°H/87.5°V

Descriptive Information

CL342-L8L30
Total Lms: 3240 Lumens
Total Input Watts: 40W
Efficacy: 81 Lumens/Watt
CCT/CRI: 4000K/80
Maximum Candela: 347 @ 0°H/87.5°V

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

LUMINAIRE SELECTION

❶ MODEL#

☐ CL312   ☐ CL312
☐ CL322   ☐ CL322
☐ CL342   ☐ CL342
            RGBW

❷ LED LIGHT SELECTION (4000K/80CRI)

	SUFFIX	DELIVERED LUMENS	INPUT WATTS
CL312	☐ L56W10	830	10

	SUFFIX	DELIVERED LUMENS	INPUT WATTS
CL322	☐ L112W10	830	10
	☐ L112W20	1640	20
	☐ L112W30	2250	30

	SUFFIX	DELIVERED LUMENS	INPUT WATTS
CL342	☐ L224W20	1660	20
	☐ L224W40	3240	40

RGBW SELECTION [5]

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL312	☐ L4RGBW	662	12	662
CL322	☐ L4RGBW	1325	24	662
CL342	☐ L8RGBW	2650	48	662

Note: Values are for total delivered lumens. For individual maximum output values, refer to page 4. White CCT is 4000K & 80CRI.

❸ VOLTAGE [1]

☐ 120V
☐ 277V

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 [3]
(Ensure to also select the standard color)

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Luminaires may be altered for design improvement or discontinued without prior notice.

OPTIONS

ELECTRICAL

☐ **FS** Fuse
☐ **SP** Surge protector 10KV
☐ **REML2-50** 7W remote emergency battery backup for LED, 90 min. Remote mount 50ft - 12" square enclosure with access cover [2]

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.
3- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required please contact factory for info.
4- OAH increases by 5" for RGBW models. See page 4 for details.
5- RGBW not available with REML2-50, SPG, STM.
6- DSPG is for RGBW only.

MOUNTING

☐ **CAT3** Catenary suspension attachment with 12º adjustment mechanism
☐ **SPG** Longer silver braided power cord. Please add length with option suffix.
☐ **STM** Field cuttable 36" stem with adjustable aircraft safety cable. (Other lengths available, please specify)
☐ **DSPG** 36" silver braided power cord and gray DMX485 cable. (Other lenghts available, please specify). [6]

CCT & CRI

Alternate CCT ºK LED (LCF: Lumen conversion factor)

☐ **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.

CATENARY SUSPENSION

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

CL312 30" (750mm)
CL322 41" (1054mm)
CL342 66" (1664mm)

CL312 7.3 lbs (3.3 kg)
CL322 8.3 lbs (3.8 kg)
CL342 10.3 lbs (4.7 kg)

ANGLE ADJUSTMENT MECHANISM

12º   12º

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 accomodate a cable ranging from **6mm - 11mm**.

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.)

RGBW MODELS

Double suspension cable

16" (406mm)

CL312 28" (711mm)
CL322 40" (1016mm)
CL342 64" (1626mm)

DSPG

4/18 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.

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RGBW DETAILS

RGBW

Total delivered lumens [5]

		Maximum output values						
	WHITE 4000K			**TOT RGB**			**TOT**	
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
CL312	3	374	374	9	288	288	12	662	662
CL322	6	749	374	18	576	288	24	1325	662
CL342	12	1497	374	36	1153	288	48	2650	662

This option is not RDM. For the desired DMX addresses, the client needs to fill a separate form to provide channel addresses.

If not communicated by the client, the fixtures will be labeled and delivered with a start address at DMX1, with an increment of 4.

Fixture #1 will be on address 1, fixture #2 will be on address 5, fixture #3 will be on address 9, etc.

RGBW DIMENSIONS

CL312

36" (914mm)

29" (732mm)

12" (305mm)

CL322

36" (914mm)

41" (1036mm)

24" (610mm)

CL342

36" (914mm)

65" (1646mm)

48" (1219mm)

OAH [4]

OAH increases by 5" for RGBW models.

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