LUMINIS®

CL620/CL640/CL670

10' H

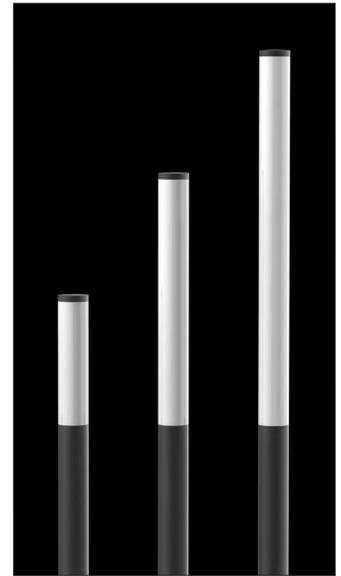| TYPE: _____	QUANTITY: _____	PROJECT: _____

CATALOG NUMBER:

FIXTURE	LED LIGHT SELECTION	COLUMN	VOLTAGE	FINISH	OPTION	OPTION	OPTION

1- Heavy cast aluminum top cover with embedded heat sink.
2- Ø 6" (152mm) High impact white translucent acrylic diffuser UV stabilized.
3- LED array.
4- Ø 6" (152mm) Extruded aluminum column.

CL620/CL640/CL670

MATERIALS

LumiSTIK column is made of 6061-T6 extruded aluminum alloy. All other cast parts are 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 column is available in 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 temperature range of -40ºC to +55ºC/-40ºF to +131ºF, output over voltage protection, output over current protection and 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).
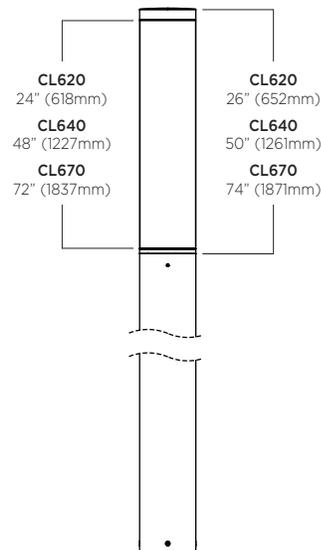
FINISH

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. Rated IP65.
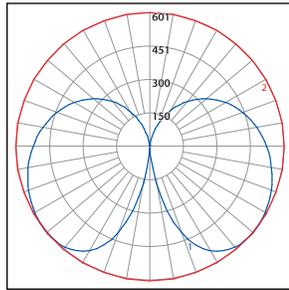
MOUNTING

LumiSTIK column is designed for ease of access and installation. See page 3 for mounting details.

CL620	CL620
24" (618mm)	26" (652mm)
CL640	**CL640**
48" (1227mm)	50" (1261mm)
CL670	**CL670**
72" (1837mm)	74" (1871mm)

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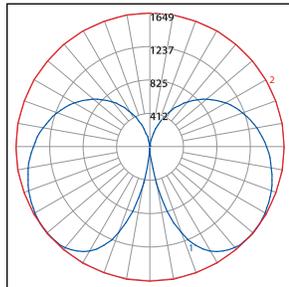
TYPICAL PHOTOMETRY SUMMARY

Descriptive Information

CL620-L4L50
Total Lms: 5695 Lumens
Total Input Watts: 58.8 W
Efficacy: 97 Lumens/Watt
BUG: B2-U5-G3
CCT/CRI: 4000K/80
Maximum Candela: 600 @ 42.5°H/29°V
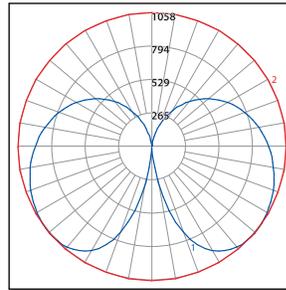
Descriptive Information

CL640-L8L100
Total Lms: 10,029 Lumens
Total Input Watts: 100.9 W
Efficacy: 99 Lumens/Watt
BUG: B3-U5-G4
CCT/CRI: 4000K/80
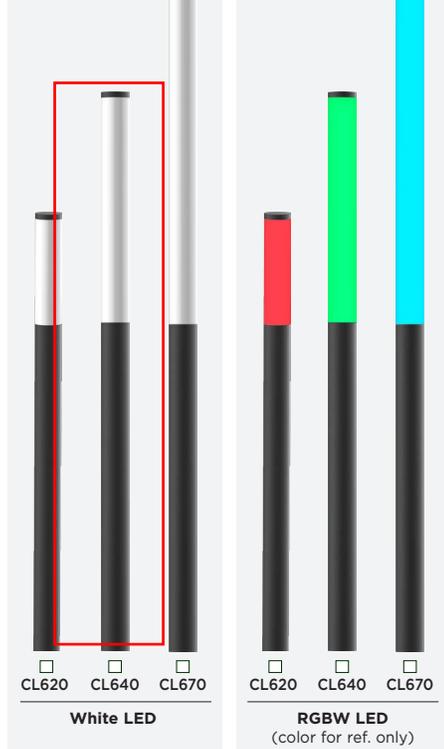Maximum Candela: 1058 @ 42.5°H/29°V

Descriptive Information

CL670-L12L150
Total Lms: 15,629 Lumens
Total Input Watts: 159.1 W
Efficacy: 98 Lumens/Watt
BUG: B3-U5-G5
CCT/CRI: 4000K/80
Maximum Candela: 1649 @ 42.5°H/29°V

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

LUMINAIRE SELECTION

❶ MODEL SELECTION

Select acrylic length

☐ CL620   ☐ CL640   ☐ CL670

White LED

☐ CL620   ☐ CL640   ☐ CL670

RGBW LED
(color for ref. only)

❷ LED LIGHT SELECTION

WHITE LED (4000K/ 80CRI)

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL620	☐ L4L10	1210	11	605
	☐ L4L20	2041	18	1020
	☐ L4L30	3170	30	1585
	☐ L4L40	4270	42	2135
	☐ L4L50	5695	59	2847

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL640	☐ L8L20	2217	20	554
	☐ L8L40	4035	37	1008
	☐ L8L60	5757	54	1439
	☐ L8L80	8352	82	2088
	☐ L8L100	10029	101	2507

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL670	☐ L12L30	3224	29	537
	☐ L12L60	6053	55	1008
	☐ L12L90	8597	81	1432
	☐ L12L120	12329	121	2054
	☐ L12L150	15629	159	2604

RGBW SELECTION (CONTROLLED WITH DMX/RDM)[9]

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
CL620	☐ L4RGBW	2046	35	1023
CL640	☐ L8RGBW	4158	71	1039
CL670	☐ 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 OAH COLUMN SELECTION

	OAH assembly		
POLE FOR:	CL620	CL640	CL670
☐ **CLP670**	96"	120"	144"
☐ **CLP694**	120"	144"	168"
☐ **CLP6118**	144"	168"	192"
☐ **CLP6142**	168"	192"	216"
☐ **CLP6166**	192"	216"	240"

(OAH Column consists of acrylic + pole)

❹ VOLTAGE [1]

☐ 120V
☐ 277V

Optional
☐ 347V
☐ 480V

❺ 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 [5]
(Ensure to also select the standard color)

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OPTIONS

ELECTRICAL

- ☐ **FS**   Fuse
- ☐ **PH**   Photocell [2]
- ☐ **SP**   Surge protector 10KV

CCT & CRI

Alternate CCT ºK LED for white 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. Does not apply for RGBW.

ACCESSORIES

- ☐ **GFI**   Ground fault interruption receptacle [3]
- ☐ **CGF**   Ground fault interruption with clear in-use cover [3]
- ☐ **BNF**   Fixed 24" banner support (single arm at top) [4]
- ☐ **2BNF**   Two fixed 24" banner supports (arm at top & bottom) [4]
- ☐ **BNF180**   Two fixed 24" banner supports at 180º (arms at top only) [4]
- ☐ **2BNF180**   Four fixed 24" banner supports at 180º (arms at top & bottom) [4]
- ☐ **DECO1** [10, 11]   Full decorative shroud with round perforations. See page 5 for more details.
- ☐ **DECO2** [10, 11]   Full decorative shroud with vertical slots. See page 5 for more details.
- ☐ **DECO3** [10, 11]   Half blockout shield. See page 5 for more details.
- ☐ **DECO4** [11]   Half blockout shield. Field installable. See page 5 for more details.
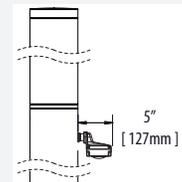
MOTION SENSOR DEVICE

- ☐ **MSD**   Motion sensor device (High/low to 25%) 255° coverage. Installed at 180° from hand hole. 120/277VAC, 50/60Hz (or 230VAC, 50Hz)

3.53" [89.6mm]
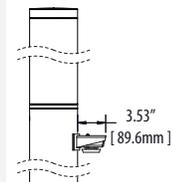
CONTROL

- ☐ **NLTAIR2**   nLight AIR Control gen2, Pole mounted black sensor. [6, 7] 270º coverage. Installed at 180º from hand hole.

5" [127mm]

NOTES

1- Luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
2- Photocell installed on the side of the fixture.
3- GFI and CGF options are installed 26" above grade unless otherwise specified. CGF cover protrudes by Ø 3.62" (92mm). 120V required for GFI or CGF.
4- BNF, 2BNF, BNF180 & 2BNF180 are factory set in position as required. Location along pole to be specified.
5- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required please contact factory for info.
6- Not compatible with PH, MSD.
7- White sensor available upon request.
8- OAH increases by 1" for RGBW models. See page 5 for details.
9- RGBW not available with 347V, 480V, PH, MSD, NLTAIR2.
10- OAH varies for DECO1/2/3 models. See page 5 for details.
11- Not compatible with RGBW.

RGBW DETAILS

RGBW DMX
Total delivered lumens [9]

	WHITE 4000K			TOT RGB			TOT		
Maximum output values	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
CL620	9	1041	521	26	1005	502	35	2046	1023
CL640	19	2123	531	52	2035	508	71	4158	1039
CL670	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.
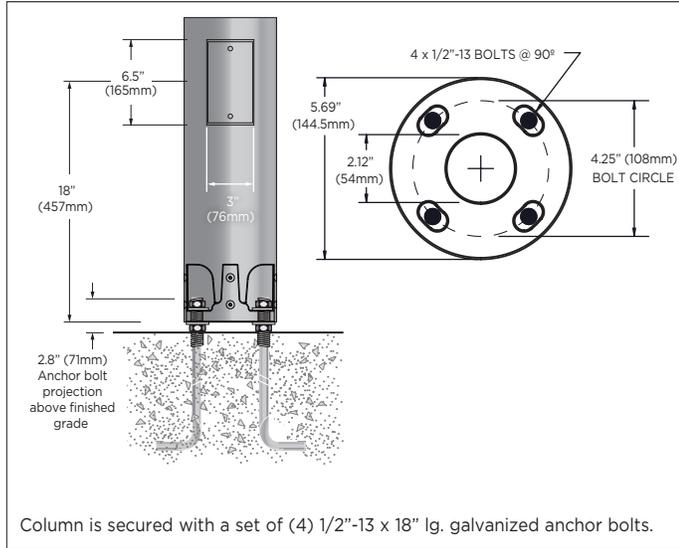
COLOR	R	G	B	W
CHANNEL	1	2	3	4

NOTE: Default factory settings. Controller supplied by others.

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3

MOUNTING INFORMATION

OVERALL HEIGHTS FROM 96" (8FT) TO 144" (12FT)

6.5" (165mm)

4 x 1/2"-13 BOLTS @ 90º

5.69" (144.5mm)

2.12" (54mm)

4.25" (108mm) BOLT CIRCLE

18" (457mm)

3" (76mm)

2.8" (71mm) Anchor bolt projection above finished grade

Column is secured with a set of (4) 1/2"-13 x 18" lg. galvanized anchor bolts.

OVERALL HEIGHTS ABOVE 144" (12FT)

6.5" (165mm)

18" (457mm)

3" (76mm)

4.87" (124mm)

2.8" (71mm) Anchor bolt projection above finished grade.

10" (262mm)

Orientation parallel to curb or walkway

9" (229mm) 10" (254mm) Bolt circle

Hand hole position

Base cover line 13" (318mm)

The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18" lg.. galvanized anchor bolts.
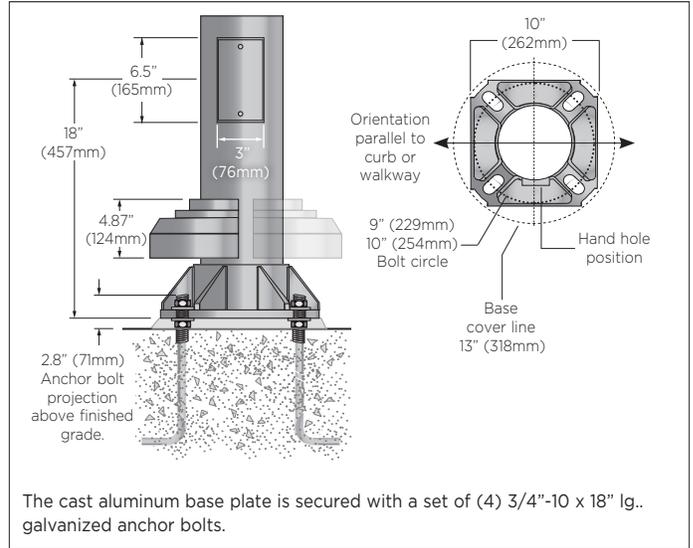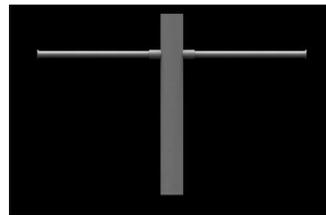
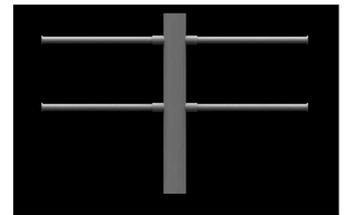## MOUNTING ACCESSORIES

BNF: Fixed 24" banner support

2BNF: Two fixed 24" banner supports

BNF180: Two fixed 24" banner supports at 180º

2BNF180: Four fixed 24" banner supports at 180º

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ACCESSORIES

CL620
27" (686mm)
CL640
51" (1282mm)
CL670
73" (1860mm)

DECO1
Decorative shroud. 360° shield with circular pattern. 9% light transmission.
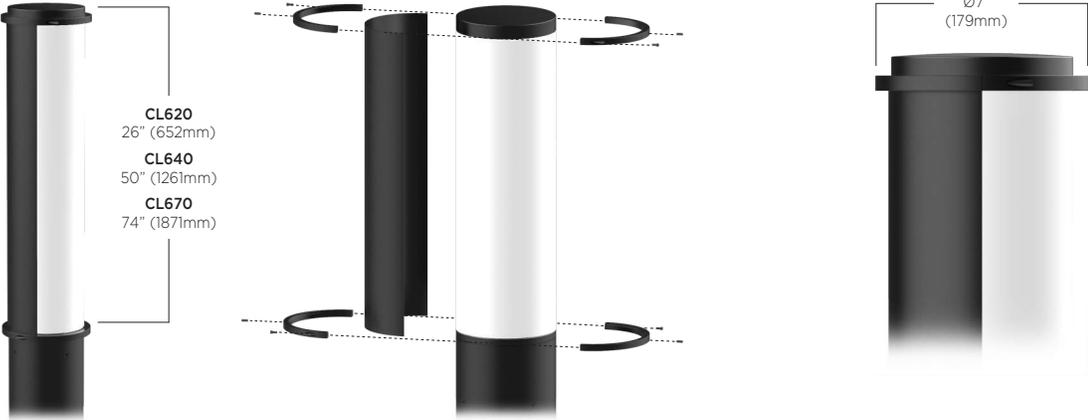Cannot be installed on-site.
(CL620 shown here)

CL620
27" (686mm)
CL640
51" (1282mm)
CL670
73" (1860mm)

DECO2
Decorative shroud. 360° shield with vertical slot pattern. 23% light transmission.
Cannot be installed on-site.
(CL620 shown here)

CL620
27" (686mm)
CL640
51" (1282mm)
CL670
73" (1860mm)

DECO3
Blockout 180° shield.
Cannot be installed on-site.
(CL620 shown here)

CL620
26" (652mm)
CL640
50" (1261mm)
CL670
74" (1871mm)

Ø7"
(179mm)

DECO4
Blockout 180° shield. Field installable.
(CL620 shown here)

RGBW DIMENSIONS

CL620
25" (645mm)

CL640
49" (1227mm)

CL670
73" (1864mm)

OAH [8]
OAH increases by 1" for RGBW models.

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