sixteen5hundred	Project 21-12877-3 Date 6/25/2021 RGB/W | Saturated Color Submitted By 16500, INC	Catalog Number LQ620 L4RGBW LQP6165 277 DGT K3 Notes	Type

LUMINIS®

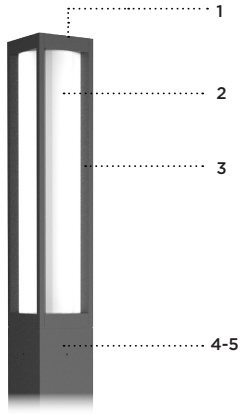
LQ620/LQ640/LQ670 SERIES

Lumiquad - LED

6" COLUMN

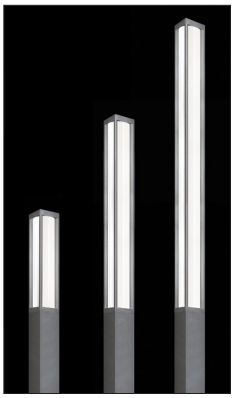
TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:								
	FIXTURE	SUFFIX	COLUMN	VOLTAGE	FINISH	OPTION	OPTION	OPTION



1- Heavy cast aluminum top cover.
2- Ø 6" (152mm) High impact white translucent acrylic diffuser UV stabilized. Available acrylic heights include 25" (696mm), 49" (1236mm) and 73 (1847mm).
3- 4x extruded aluminum struts.
4- Cast aluminum driver housing.
5- 6" (152mm) x 6" (152mm) extruded aluminum square body.

LQ620 / LQ640 / LQ670



MATERIALS

Lumiquad column is made of 6061-T6 extruded aluminum alloy. All other parts are 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.

ELECTRICAL

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

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

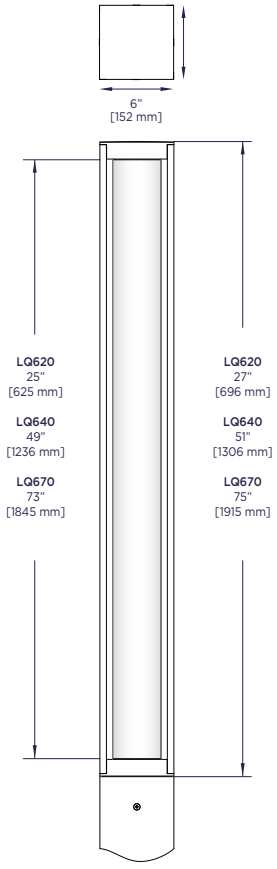
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

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

Lumiquad column is designed for ease of access and installation.
For overall heights of 96" (8FT) to 168" (14FT): The cast aluminum base plate is secured with a set of (4) 1/2"-13 x 18" lg. galvanized anchor bolts.
For overall heights above 168" (14FT): The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18" lg. galvanized anchor bolts.
Accessibility is done through a flush mount 2" x 4" (100mm x 178mm) hand hole cover plate.



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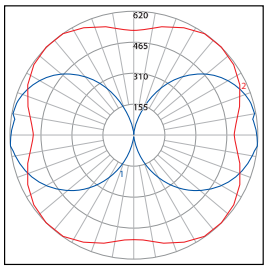
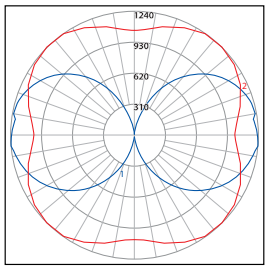
LQ620/LQ640/LQ670 SERIES
Lumiquad - LED

TYPICAL PHOTOMETRY SUMMARY



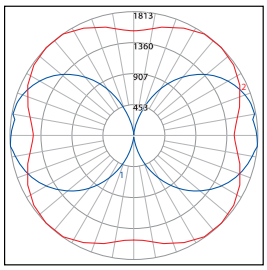
Descriptive Information

LQ620-L4L52
Total Lms: 5381 Lumens
Total Input Watts: 51,4 W
Efficacy: 104,6 Lumens/Watt
BUG: B2-U5-G3
CCT/CRI: 4000K/80
Maximum Candela: 618 @ 47.5°H/85°V



Descriptive Information

LQ640-L8L104
Total Lms: 10762 Lumens
Total Input Watts: 102,9 W
Efficacy: 104,6 Lumens/Watt
BUG: B3-U5-G4
CCT/CRI: 4000K/80
Maximum Candela: 1235 @ 47.5°H/85°V



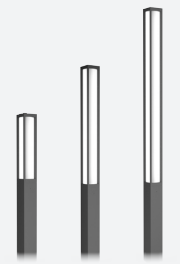
Descriptive Information

LQ670-L12L156
Total Lms: 15737 Lumens
Total Input Watts: 150 W
Efficacy: 104,9 Lumens/Watt
BUG: B3-U5-G5
CCT/CRI: 4000K/80
Maximum Candela: 1806 @ 47.5°H/85°V

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

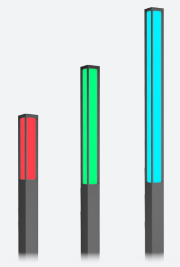
LUMINAIRE SELECTION

MODEL#



☐ LQ620 ☐ LQ640 ☐ LQ670

White LED



☐ LQ620 ☐ LQ640 ☐ LQ670

RGBW LED
(color for ref. only)

LED LIGHT SELECTION (4000K/80CRI)

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
LQ620	☐ L4L12	1311	11	656
	☐ L4L18	1990	17	995
	☐ L4L28	2849	25	1425
	☐ L4L40	4251	39	2126
	☐ L4L52	5381	52	2691
LQ640	☐ L8L24	2623	22	656
	☐ L8L36	3708	32	927
	☐ L8L56	5698	50	1425
	☐ L8L80	8320	76	2080
	☐ L8L104	10762	103	2691
LQ670	☐ L12L36	3708	32	618
	☐ L12L54	5472	47	912
	☐ L12L84	8592	76	1432
	☐ L12L120	12616	116	2103
	☐ L12L156	15737	150	2623

RGBW SELECTION (CONTROLLED WITH DMX/RDM)[6]

	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT
LQ620	☐ L4RGBW	2046	35	1023
LQ640	☐ L8RGBW	4158	71	1039
LQ670	☐ L12RGBW	6272	108	1045

Note: Values are for total delivered lumens. For individual maximum output values, refer to page 5.
White CCT is 4000K & 80CRI.

OAH COLUMN SELECTION

POLE FOR	LQ620	LQ640	LQ670
☐ LQP669	96"	120"	144"
☐ LQP693	120"	144"	168"
☐ LQP6117	144"	168"	192"
☐ LQP6141	168"	192"	216"
☐ LQP6165	192"	216"	240"

VOLTAGE[1]

☐ 120V
☐ 277V

Optional
☐ 347V
☐ 480V

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

OPTIONAL COLORS

☐ CS Custom color
☐ RAL RAL# color

(Refer to color chart)

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

LUMINIS.COM

Luminaires may be altered for design improvement without prior notice.

LQ620/LQ640/LQ670 SERIES
Lumiquad - LED

OPTIONS

ELECTRICAL

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

ACCESSORIES

- ☐ **GFI** Ground fault circuit interruption flush receptacle [2]
- ☐ **CGF** Ground fault circuit interruption with clear in-use cover [2]
- ☐ **MSD** Motion sensor device (high/low 25%)
  255° coverage
  Installed at 180° from hand hole
  120/277VAC, 50/60Hz (or 230VAC, 50Hz)
- ☐ **BLC1** Blockout shield (one side)
- ☐ **BLC2** Blockout shield (two sides, installed at 90°)
- ☐ **BLC3** Blockout shield (three sides)
- ☐ **DECO1** Decorative shroud
- ☐ **DECO2** Decorative shroud

LIGHT

Alternate CCT °K 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.

CONTROL

- ☐ **NLTAIR2** nLight AIR Control gen2, Pole mounted black sensor. [3, 4]

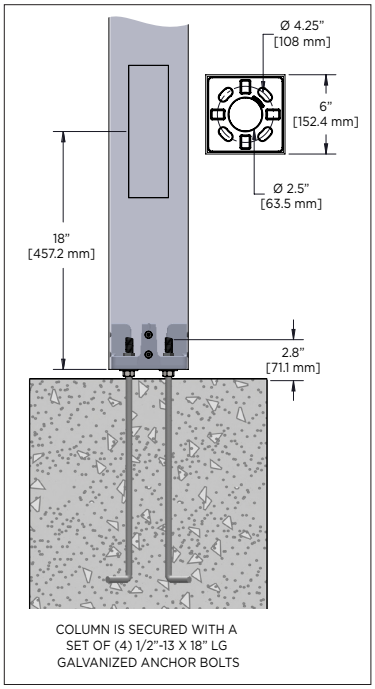
NOTES

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- GFI and CGF options are installed 30" above grade unless otherwise specified. CGF cover protrudes by 3.62" (92mm). 120V required for GFI or CGF.
3- Not compatible with PH, MSD.
4- White sensor available upon request.
5- OAH increases by 1" for RGBW models. See page 5 for details.
6- Not compatible with 347V, 480V, PH, MSD, NLTAIR2.

LQ620/LQ640/LQ670 SERIES
Lumiquad - LED

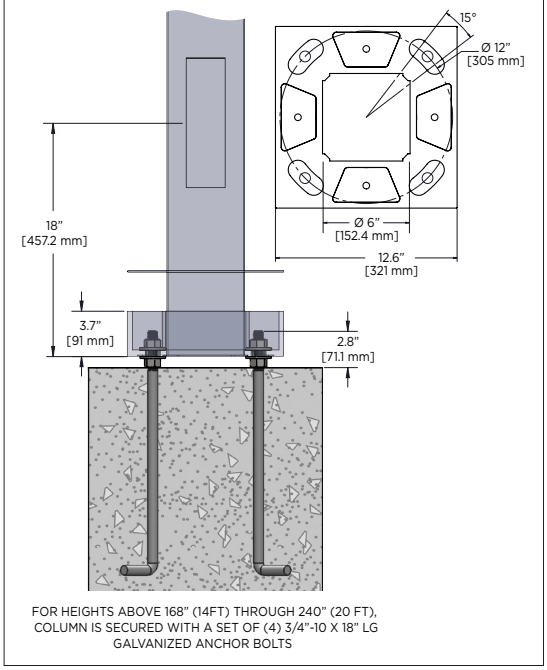
MOUNTING INFORMATION

OVERALL HEIGHTS FROM 96" (8FT) TO 168" (14FT)



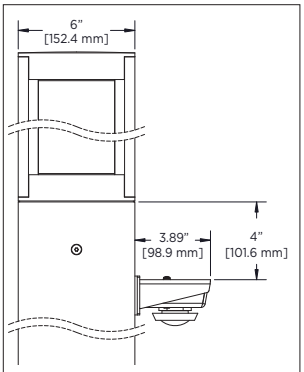
COLUMN IS SECURED WITH A SET OF (4) 1/2"-13 X 18" LG GALVANIZED ANCHOR BOLTS

OVERALL HEIGHTS ABOVE 168" (14FT)

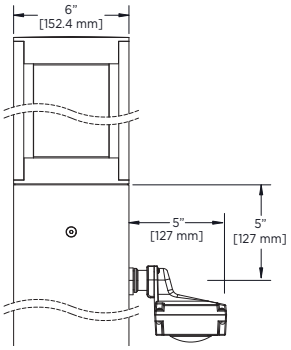


FOR HEIGHTS ABOVE 168" (14FT) THROUGH 240" (20 FT), COLUMN IS SECURED WITH A SET OF (4) 3/4"-10 X 18" LG GALVANIZED ANCHOR BOLTS

ACCESSORIES



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



NLTAIR2
nLight AIR 2.0 motion sensor module mounted on pole.
270° coverage.
Installed at 180° from hand hole.

LQ620/LQ640/LQ670 SERIES
Lumiquad - LED

RGBW DETAILS

RGBW DMX
Total delivered lumens [6]

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

Maximum output values

	WHITE 4000K			TOT RGB			TOT		
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
LQ620	9	1041	521	26	1005	502	35	2046	1023
LQ640	19	2123	531	52	2035	508	71	4158	1039
LQ670	28	3205	534	80	3067	511	108	6272	1045

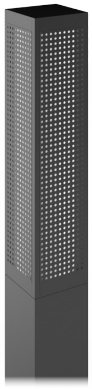
The fixtures will be delivered with the default address 1.

COLOR	R	G	B	W
CHANNEL	1	2	3	4

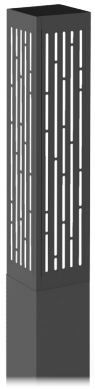
NOTE: Default factory settings.
Controller supplied by others.

ACCESSORIES

BLC
Blockout shield available on up to three sides.

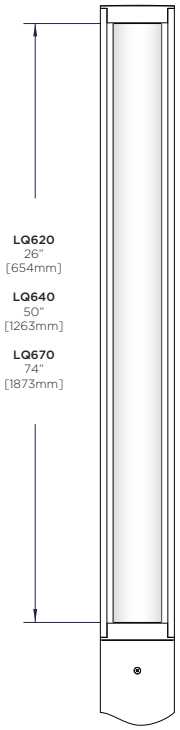


DECO1
Decorative shroud.
20% light transmission.



DECO2
Decorative shroud.
30% light transmission.

RGBW DIMENSIONS



OAH [5]
OAH increases by 1" for RGBW models.