

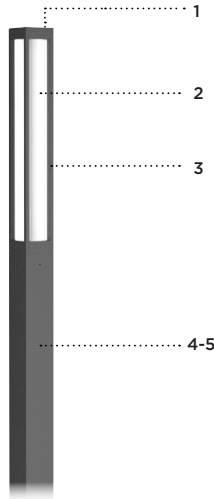


**LQ420/LQ440** SERIES  
**Lumiquad - LED**  
4" COLUMN

TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

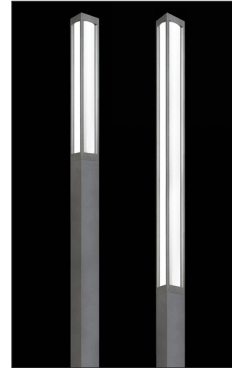
CATALOG NUMBER:

FIXTURE    SUFFIX    COLUMN    VOLTAGE    FINISH    OPTION    OPTION    OPTION



- 1- Heavy cast aluminum top cover.
- 2- Ø 4" (102mm) High impact white translucent acrylic diffuser UV stabilized. Available acrylic heights include 25" (627mm) and 49" (1236mm).
- 3- 4x extruded aluminum struts.
- 4- Cast aluminum driver housing.
- 5- 4" (102mm) x 4" (102mm) extruded aluminum square body.

LQ420 / LQ440



**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 -40°C/-40°F to 55°C/131°F, 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<sub>80</sub>B<sub>50</sub> (based on IESNA TM-21 Test Method and LM-80 data).

**FINISH**

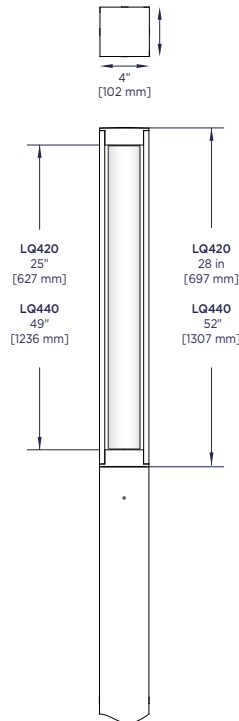
Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

**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 25°C. Lumen depreciation in accordance with IESNA LM80 standards. Rated IP65.

**MOUNTING**

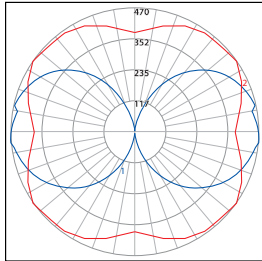
Lumiquad column is designed for ease of access and installation. The cast aluminum base plate is secured with a set of (4) 1/2"-13 x 18" lg. galvanized anchor bolts.



Apr. 2021 Rev 0

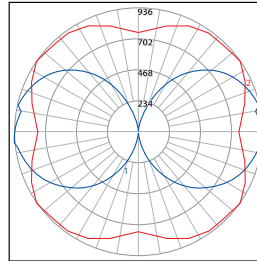
## LQ420/LQ440 SERIES Lumiquad - LED

### TYPICAL PHOTOMETRY SUMMARY



#### Descriptive Information

LQ420-L4L40  
Total Lms: 4109 Lumens  
Total Input Watts: 38,9 W  
Efficacy: 105,8 Lumens/Watt  
BUG: B1-U5-G3  
CCT/CR: 4000K/80  
Maximum Candela: 467 @ 37.5°H/85°V



#### Descriptive Information

LQ440-L8L80  
Total Lms: 8188 Lumens  
Total Input Watts: 77,4 W  
Efficacy: 105,7 Lumens/Watt  
BUG: B2-U5-G3  
CCT/CR: 4000K/80  
Maximum Candela: 931 @ 37.5°H/85°V

Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data.

### LUMINAIRE SELECTION

MODEL#	LED LIGHT SELECTION (4000K/80CRI)	OAH COLUMN SELECTION	VOLTAGE <sup>1</sup>	FINISH																																																			
<p><input type="checkbox"/> LQ420    <input type="checkbox"/> LQ440</p> <p>White LED</p>	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>LM / FT</th> </tr> </thead> <tbody> <tr> <td><b>LQ420</b> <input type="checkbox"/> L4L12</td> <td>1271</td> <td>11</td> <td>636</td> </tr> <tr> <td><input type="checkbox"/> L4L18</td> <td>1921</td> <td>17</td> <td>961</td> </tr> <tr> <td><input type="checkbox"/> L4L28</td> <td>2956</td> <td>27</td> <td>1478</td> </tr> <tr> <td><input type="checkbox"/> L4L40</td> <td>4109</td> <td>39</td> <td>2055</td> </tr> <tr> <td><b>LQ440</b> <input type="checkbox"/> L8L24</td> <td>2572</td> <td>22</td> <td>643</td> </tr> <tr> <td><input type="checkbox"/> L8L36</td> <td>3843</td> <td>34</td> <td>961</td> </tr> <tr> <td><input type="checkbox"/> L8L56</td> <td>5853</td> <td>53</td> <td>1463</td> </tr> <tr> <td><input type="checkbox"/> L8L80</td> <td>8188</td> <td>78</td> <td>2047</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	LM / FT	<b>LQ420</b> <input type="checkbox"/> L4L12	1271	11	636	<input type="checkbox"/> L4L18	1921	17	961	<input type="checkbox"/> L4L28	2956	27	1478	<input type="checkbox"/> L4L40	4109	39	2055	<b>LQ440</b> <input type="checkbox"/> L8L24	2572	22	643	<input type="checkbox"/> L8L36	3843	34	961	<input type="checkbox"/> L8L56	5853	53	1463	<input type="checkbox"/> L8L80	8188	78	2047	<table border="1"> <thead> <tr> <th>POLE FOR</th> <th>LQ420</th> <th>LQ440</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> LQP469</td> <td>96"</td> <td>120"</td> </tr> <tr> <td><input type="checkbox"/> LQP493</td> <td>120"</td> <td>144"</td> </tr> <tr> <td><input type="checkbox"/> LQP4117</td> <td>144"</td> <td>168"</td> </tr> <tr> <td><input type="checkbox"/> LQP4141</td> <td>168"</td> <td>N/A</td> </tr> </tbody> </table>	POLE FOR	LQ420	LQ440	<input type="checkbox"/> LQP469	96"	120"	<input type="checkbox"/> LQP493	120"	144"	<input type="checkbox"/> LQP4117	144"	168"	<input type="checkbox"/> LQP4141	168"	N/A	<input type="checkbox"/> 120V <input type="checkbox"/> 277V  Optional <input type="checkbox"/> 347V <input type="checkbox"/> 480V	<b>STANDARD COLORS</b> <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream  <b>OPTIONAL COLORS</b> <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color (Refer to color chart)
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## LQ420/LQ440 SERIES Lumiquad - LED

### OPTIONS

#### ELECTRICAL

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

#### ACCESSORIES

- GFI** Ground fault circuit interruption flush receptacle<sup>2</sup>
- CGF** Ground fault circuit interruption with clear in-use cover<sup>2</sup>
- 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** Full decorative shroud with vertical slots.  
See page 4 for more details.

#### 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

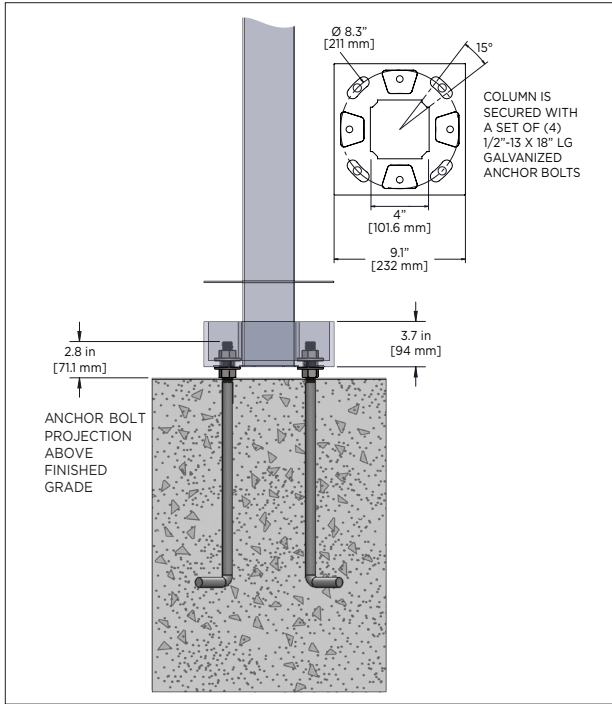
- NLTAIR2** nLight AIR Control gen2, Pole mounted black sensor.<sup>3,4</sup>

#### NOTES

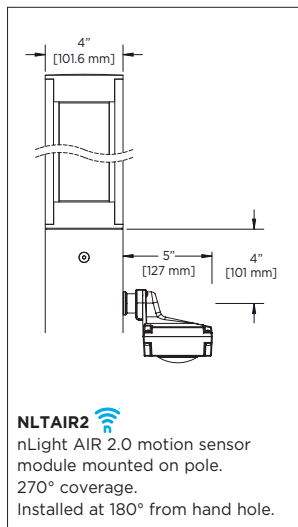
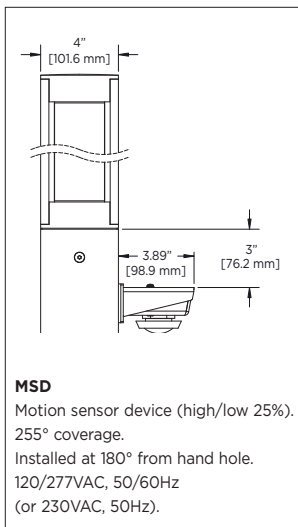
- 1-** If no voltage is specified, luminaires are factory prewired by default for 120V. For other voltages, please specify with catalog number, or consult factory.
- 2-** GFI and CGF options are installed 30" above grade unless otherwise specified. CGF cover protrudes by 3.62" (92mm). 120V required for 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-** RGBW not compatible with 347V, 480V, PH, MSD, NLTAIR2.

## LQ420/LQ440 SERIES Lumiquad - LED

### MOUNTING INFORMATION



### ACCESSORIES



## LQ420/LQ440 SERIES Lumiquad - LED

### RGBW DETAILS

#### RGBW DMX

Total delivered lumens<sup>6</sup>

#### 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**

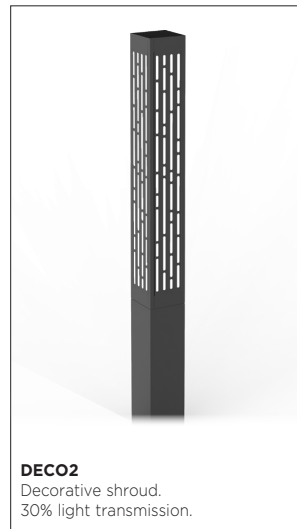
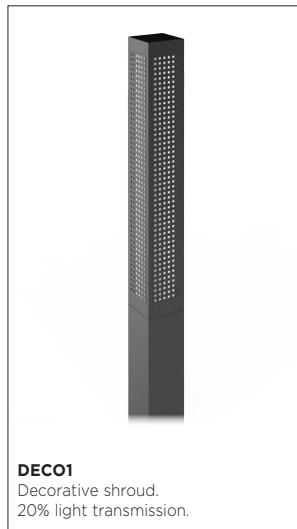
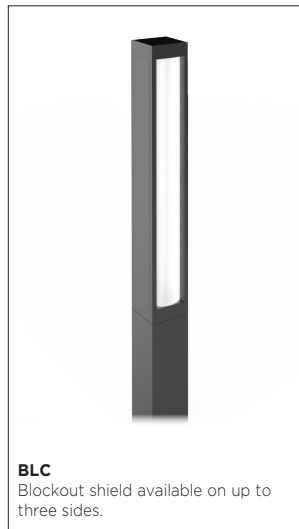
	WHITE 4000K			TOT RGB			TOT		
	W	lm	lm/ft	W	lm	lm/ft	W	lm	lm/ft
LQ420	8	1053	527	22	1057	528	30	2110	1055
LQ440	16	2106	527	44	2112	528	60	4218	1055

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



### RGBW DIMENSIONS

