

Project:

Qty:

Luminaire:

Order:

Type:

**Housing module:** The permanent mold cast A356 aluminum support arm is designed with an integrated wiring compartment that houses the driver module. The arm is welded to an extruded 6061-T6 aluminum tenon measuring for a clean and sleek design integration with the pole. Two silicone gaskets ensure IP66 waterproofing according to EN 60529 and IEC 60598-1 standards with the cover module.

**Cover module:** Injection molded from A360 aluminum, it's mechanically secure to the housing module by two (2) safety cables and six (6) socket head type Allen screws.

**Hood module:** Circular in shape, injection molded from A360 aluminum and mechanically secured to the frame with four (4) 3/8-16 UNC stainless steel bolts. The seal between the hood and the frame is ensured by a silicone grommet.

**Frame module:** Flat and circular in shape, injection molded from A360 aluminum and is mechanically secured to the hood module to hold the optical module. The seal is made by two silicone gaskets. The junction between the frame and the optical module is embellished by a decorative white polycarbonate plate. A 0.24" (6mm) thick "waveguide" acrylic lens is attached to the frame.

**Optical module:** The module projects a soft and uniform light, while providing a light distribution without streaks on the ground. The light engine consists of 96 high-efficacy LEDs mounted to a flexible circuit board and aluminum heat sink, ensuring optimal thermal management. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 80. The light distribution types available are ASY (Type IV), SYM (Type V) and PATH (Type III). The optical module is available with performance packages from P10 (3,260 lm) to P50 (15,500 lm) with 0% uplight.

**Driver module:** Class 1 (P40 to P50) or Class 2 (P10 to P30). Primary tension is of 120 to 480VAC Volts, 50/60Hz, THD max 20% with a high-power factor of 90%. Operating temperature is -40°F (-40°C) to 131°F (55°C). The regulator offers an output of 0-10 Volts and is ROHS compliant. Assembled with pull-out connectors. Complete with 10kV/5kA or 20 kV/10kA tripolar surge protection for live-MALT, live-neutral and neutral-MALT lines according to IEEE/ANSI C62.41 2002 C.

**Wiring / Hardware:** Type TEWT 14-7 AWG, 12" (30.5cm) minimum exceeding luminaire. All electrical connections between the modules are provided with quick-disconnect connectors for easy maintenance. All outside accessible hardware is made of 304 stainless steel.

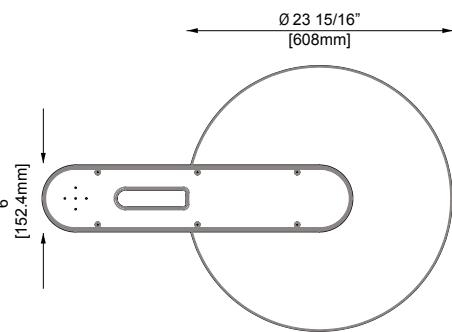
**Vibration Testing (1.5G):** Testing was successfully performed in accordance with the requirements of standard ANSI C136.31-2010 on the Lupa luminaire for Normal Applications.

NOTE: UL certified according to UL 1598 in compliance with both U.S. and Canadian requirements.

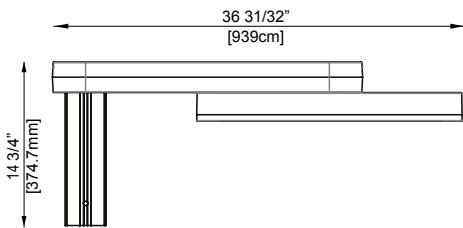
**Color:** All Cyclone colors are available in textured (TX) or smooth (SM) finish, unless otherwise specified. A durable polyester powder coating is applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends the textured finish for this product.**

**cULus:** According to standard C22.2 / UL1598

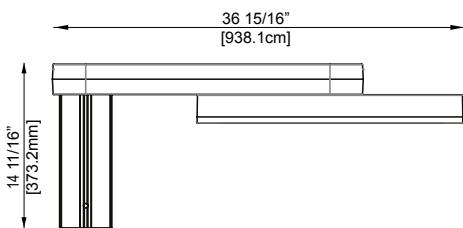
**Warranty:** 5-year limited warranty. Complete warranty terms located at: [www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf](http://www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf)



LUPI6A-IN40



LUPI6A-IN50

EPA: 0.48 ft<sup>2</sup>

Weight: 48 lbs / 21.8 kg

Stamp/Approval:

Name:

Date:

Name:

Date:

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**Project:**
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**Ordering Code**

Model	Mounting	Lens	Distribution	Performance Package <sup>1</sup>	CCT	Volts	Surge Protector
LUPI6A	IN40 TB 4"Ø for 4"Ø x 1/8" thickness pole	FAC Flat acrylic clear lens	SYM Symetric	P10 (3,000lm)	30K	3000K	MVOLT 120-277VAC
	IN42 TB 4"Ø for 4"Ø x 1/4" thickness pole		ASY Asymmetric	P20 (4,500lm)	40K	4000K	HVOLT 347-480VAC
	IN50 TB 5"Ø for 5"Ø x 1/8" thickness pole		PATH Pathway	P30 (7,000lm)			120
	IN52 TB 5"Ø for 5"Ø x 1/4" thickness pole			P40 (11,000lm)			208
				P50 (15,000lm)			240
							277
							347
							480

Options		Options		Color		Texture		Pre-finish	
-		BK	Black RAL9005			TX	Textured	-	
PND506 <sup>2</sup>	Program 50% for 6 hours (11PM to 5AM)	DG	Dark green RAL6012			SM	Smooth	MG	Marine grade
PND508 <sup>2</sup>	Program 50% for 8 hours (9PM to 5AM)	MA	Marine blue RAL5013			SX <sup>5</sup>	Textured, matt (Sandtex)	pre-finish	
PT	Photocell W/7-pin receptacle	SI	Metallic silver RAL9006 (smooth only)						
PTDR	7-pin receptacle	BZ	Dark bronze RAL8019						
PTL	Long Life Photocell W/7-pin receptacle	BG	Burgundy RAL3005						
PX	Shorting Cap W/7-pin receptacle	GM	Moss green RAL6005						
DIM	0-10 volts wire for external controls	PG	Pale grey RAL7040						
SD <sup>2</sup>	Field adjustable 10% increment step-dimming switch	WH	White RAL9003						
		SG <sup>3</sup>	Steel Gray						
		BKH <sup>4</sup>	Black Holophane						
		BZH <sup>4</sup>	Dark bronze Holophane						
		GNH <sup>4</sup>	Green Holophane						
		GHH <sup>4</sup>	Graphite Holophane						
		GRH <sup>4</sup>	Gray Holophane						
		SLH <sup>4</sup>	Silver Holophane						
		WHH <sup>4</sup>	White Holophane						

1- Values shown represent the maximum lumen output, which may vary depending on the selected configuration or options.

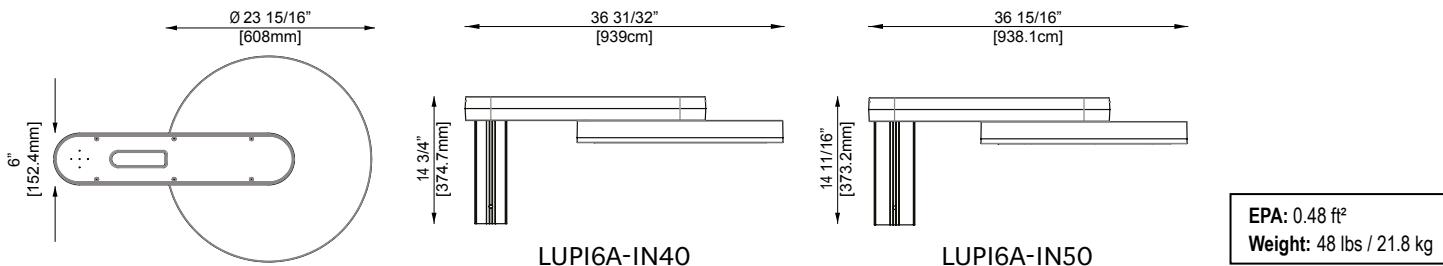
2- Only one of the following options may be selected: SD, PND506, or PND508. These options cannot be combined.

3- Available in SX finish only

4- Holophane colors are only available in Smooth (SM) finish

5- SX finish only available with SG color.

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.


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**Name:**
**Date:**

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## Photometric Data Tables

### Lupa - LUPI6A-INXX-FAC (Flat acrylic clear lens)

Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)	3000K			LLD @ 25C			
					B	U	G	25K Hours	50K Hours	75K Hours	100K Hours
P10	25.3	ASY	3267	129	1	0	1	0.96	0.91	0.86	0.82
		PATH	3254	129	2	0	2				
		SYM	3374	133	2	0	1				
P20	34.9	ASY	4611	132	1	0	1	0.96	0.91	0.86	0.82
		PATH	4593	132	2	0	2				
		SYM	4761	136	2	0	1				
P30	54.1	ASY	7152	132	2	0	2	0.96	0.91	0.86	0.82
		PATH	7123	132	3	0	3				
		SYM	7385	137	3	0	1				
P40	86.4	ASY	11317	131	3	0	3	0.96	0.91	0.86	0.82
		PATH	11271	130	3	0	3				
		SYM	11686	135	3	0	2				
P50	121.2	ASY	15381	127	3	0	3	0.95	0.89	0.83	0.78
		PATH	15319	126	4	0	4				
		SYM	15882	131	4	0	2				

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.

Specifications subject to change without notice.

Lumen ratio for different CCT

3000K 4000K  
1.00 1.00