NEPTŪN
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LED
KOMETA™ MINI STREET LIGHT FIXTURES

2.50" I.D.

3.25"

21.00"

2.88" O.D.

9.75"

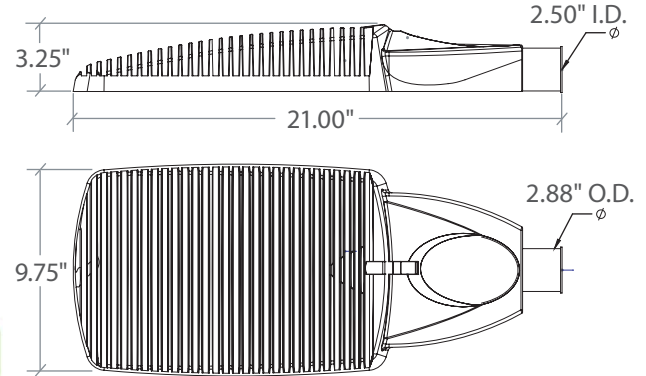**DLC QPL LISTED ™**

Dark Sky FRIENDLY

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl

** AVAILABLE **

Bi-Level 100% | Dimming 50%

0 - 10V FULL DIMMING

Incredible 100,000 hrs

GENERAL DESCRIPTION

Neptun's Kometa™ Mini LED Street Light fixtures combine architectural form and versatility to make it an excellent choice for new construction or retrofit applications. The Kometa fixture is offered in a variety of wattages to provide maximum flexibility in all types of applications. Custom engineered Type II & III Asymetrical optics provide excellent uniformity and efficiency. It can replace existing HID & HPS fixtures up to 175W.

APPLICATION

· Street Lighting
· Pathway Lighting
· Parking Lot Lighting
· Security Lighting
· Storage Area Lighting

STRUCTURE, MATERIALS, & FEATURES

· Heavy-gauge, die-cast aluminum housing with cooling fins.
· Corrosion resistant electrocoat grey finish (custom colors available).
· Slim, state of the art, low profile design for minimum wind load resistance.
· Heat and impact resistant tempered flat glass lens. (IESNA full-cutoff)
· Toolless entry gear box for easy maintenance and installation.
· Continuous silicone gasket surrounds lens for IP66 weather tight seal.
· Optional NEMA Twist lock Photocell for increased energy savings.
· High Output Cree LED's.
· Driver with built in Neptun Surge Protective Device (NSPD) provides single phase protection for Line/Neutral, Line/Ground, and Neutral/Ground in accordance with IEEE C62.41 C High (10kV & 10kA).
· InstantON flicker-free Cold Start and Hot Re-Start.
· Up to 15 years Maintenance free operation.
· 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)
· **Optional**: 0-10V Dimming, Bi-Level Dimming, Remote Monitoring and ON/OFF Control, DC 24V Operation - Solar Compatible

ORDERING INFORMATION

Sample Number: LED-451040-UNV-0-10VDIM-850-LD-T2A-GRY
Custom options and accessories available. Please consult factory

Series	Wattage	Voltage	Options	Color Temp	Accessories	Optics	Color
LED-451 = Street Light	**040** = 40 W **050** = 50 W **060** = 60 W **080** = 80 W	**UNV** = 120-277 VAC **347V** = 347 VAC **480V** = 480 VAC **24VDC** = 24 VDC	**0-10VDIM** = 0-10V Dimming **BL-DIM** = Bi-Level Dimming * * Includes Motion Sensor * Contact factory for dimming options	**835** = 3500°K **841** = 4100°K **850** = 5000°K * * Standard	**LD** = NEMA Photocell **MD** = Motion Sensor ON/OFF **LGN** = Light Genie Node ** ** Contact factory for product information	**T2A** = Type 2 Asymmetrical **T3A** = Type 3 Asymmetrical	**GRY** = Grey * Custom Colors Available

RoHS LEAD FREE COMPLIANT

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LED lighting facts LED Product Partner

lightinnovations@work™

PRODUCT INFORMATION

Model No.	Description	Rated Watts	Input Watts	Initial Lumens	Universal Line Voltage (VAC)	Max Line Current (Amp) 120 - 277	THD	Power Factor	Weight
LED-451040-UNV	LED Street Light Fixture	40	42	3,800	120-277	0.34 - 0.15	<20%	>0.90	18 lbs
LED-451050-UNV	LED Street Light Fixture	50	52	4,500	120-277	0.43 - 0.18	<20%	>0.90	18 lbs
LED-451060-UNV	LED Street Light Fixture	60	62	5,300	120-277	0.52 - 0.22	<20%	>0.90	18 lbs
LED-451080-UNV	LED Street Light Fixture	80	82	6,100	120-277	0.69 - 0.30	<20%	>0.90	18 lbs

SPECIFICATIONS

- Driver . . . . Constant Current
- Start Method . . . . InstantON
- Hot Re-start . . . . InstantON
- Power Supply 350mA
- Driver UL Rating . . . . Class 1
- Driver UL Outdoor Rated . . . . Wet Location
- Sound Rating . . . . Class A
- ANSI Surge Protection . . . . IEEE C62.41 C High
- Current Crest Factor . . . . 1.5 maximum
- Load Regulation: 5% output current variation across load range
- Line Regulation: 1% output voltage variation across voltage range
- Driver Off-State Draw . . . . 0 Watts
- Vibration Compliance 3G
- Universal Input Line Voltage . . . . 120-277 VAC
- Input Line Frequency . . . . 50/60 Hz
- Projected (L70) @ 25°C . . . . > 100,000 hrs.

- Color Temperature . . . . 5,000°K
- Color Rendering Index (CRI) . . . . > 80
- Minimum Starting Temperature . . . . -40°C
- Maximum Starting Temperature . . . . +50°C
- Lumens per Watt . . . . > 80
- Shock / Vibration Resistant . . . . Yes
- Power Factor . . . . > 0.90
- Total Harmonic Distortion . . . . < 20%
- Inrush Current Peak . . . . < 10 Amp
- FCC Compliance . . . . Part 15, Subp. C
- ETL Listed / UL Standard 1598 . . . . Yes
- EPA Rating . . . . 0.47 ft.^{2}
- Housing IP Rating IP65
- Driver IP Rating IP67
- Optics IP Rating IP66
- Warranty . . . . 5 Year

MOUNTING OPTIONS

Accepts 1-1/4" - 2-3/8" O.D. Tenon or Pipe

(2) 5-16" Stainless Steel Bolts

PHOTOMETRICS (See Complete IES File)

0.1 0.2 0.5 1.0 2.0
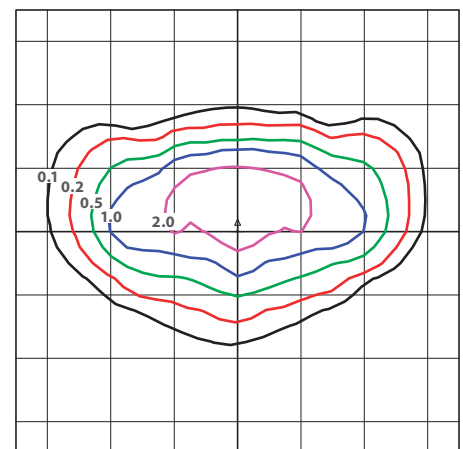
Horizontal Footcandles
Scale: 1 Hash = 20 Ft.
Light Loss Factor = 1.00
Total Lamp Lumens = 6292.1
Mounting Height = 25.00 Ft. , Tilt = 5 Degrees
Maximum Calculated Value = 3.83 Fc
Arrangement: Single

NEPTUN LIGHT, INC.
LED-451080-UNV-850-T3A

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