

DESIGNLIGHTS
CONSORTIUM

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http://www.designlights.org/solidstate/about.QualifiedProductsList_Publicv2.php



Incredible **70,000 hrs**

GENERAL DESCRIPTION

Neptun's Kometa™ LED Roadway 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. The 150 PCS High output LED's and custom engineered optics provide excellent uniformity and efficiency. Used in applications replacing up to 400W HID & HPS Fixtures on Major Roadways & Highways.

APPLICATION

- Street Lighting
- Roadway Lighting
- Highway 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 Twistlock Photocell for increased energy savings.
- Correlated Color Temperature of (5000°K) for greater visibility and safety.
- High power factor, low THD driver.
- 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)

ORDERING INFORMATION

Sample Number: LED-452130-UNV-750-T2A-LD-GRY
Custom options and accessories available. Please consult factory

Type	Series	Wattage	Voltage	Color Temp	Optics	Accessories	Color
LED	452 = Roadway	100 = 100 W 110 = 110 W 120 = 120 W 130 = 130 W 140 = 140 W 150 = 150 W 160 = 160 W	UNV = 120-277 VAC	735 = 3500°K 741 = 4100°K 750 = 5000°K * * Standard	T2A = Type II Asymmetrical T3A = Type III Asymmetrical	LD = Light Sensor/Photocell NEMA Twistlock	GRY = Grey



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-452100-UNV	LED Roadway Fixture	100	102	8,000	120-277	0.87 - 0.37	<15%	>0.98	32 lbs
LED-452110-UNV	LED Roadway Fixture	110	112	8,800	120-277	0.96 - 0.41	<15%	>0.98	32 lbs
LED-452120-UNV	LED Roadway Fixture	120	122	9,600	120-277	1.05 - 0.45	<15%	>0.98	32 lbs
LED-452130-UNV	LED Roadway Fixture	130	132	10,400	120-277	1.13 - 0.49	<15%	>0.98	32 lbs
LED-452140-UNV	LED Roadway Fixture	140	142	11,200	120-277	1.22 - 0.53	<15%	>0.98	32 lbs
LED-452150-UNV	LED Roadway Fixture	150	152	12,400	120-277	1.31 - 0.56	<15%	>0.98	32 lbs
LED-452160-UNV	LED Roadway Fixture	160	162	13,900	120-277	1.39 - 0.60	<15%	>0.98	32 lbs

SPECIFICATIONS

- LED Driver Constant Current
- Power Supply 350mA
- Start Method InstantON
- Hot Re-start InstantON
- Universal Input Line Voltage 120-277 VAC
- Input Line Frequency 50/60 Hz
- Ballast Off-State Draw 0 Watts
- Sound Rating Class A
- ANSI Surge Protection Class A
- LED / Driver System Life 70,000 Hrs.
- Lumen Maintenance @50,000Hrs > 70%
- Color Temperature 5,000°K
- Color Rendering Index (CRI) > 70
- Minimum Starting Temperature -40°C
- Maximum Starting Temperature 50°C
- Lumens per Watt > 80
- Shock / Vibration Resistant Yes
- Power Factor > 0.98
- Total Harmonic Distortion < 15%
- Inrush Current Peak < 10 Amp
- ETL Listed / UL Standard 1598 Yes
- FCC Compliance Part 18, Subp. C
- EPA Rating 0.77
- Housing IP Rating IP65
- Optics IP Rating IP66
- Warranty 5 Year

MOUNTING OPTIONS

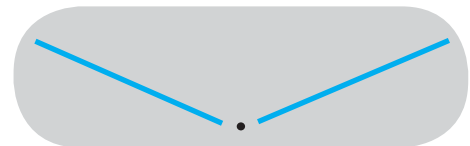


Accepts
1-1/4" - 2-3/8" O.D.
Tenon or Pipe

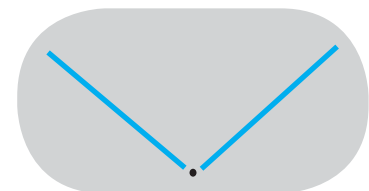


(2) 5-16" Stainless Steel Bolts

PHOTOMETRICS (See Complete IES File)



TYPE II ASYMMETRICAL



TYPE III ASYMMETRICAL