DESIGNLIGHTS CONSORTIUM®

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

14.00"

4.00"

13.00"

Incredible 70,000 hrs

GENERAL DESCRIPTION

Neptun's 14" low-profile LED tunnel/viaduct fixtures feature a sleek architectural design and durability to be used in new construction or retrofit applications. The 49 series fixture features excellent optics and its rugged design allows for use in a variety of indoor and outdoor applications. It can replace existing HID & HPS fixtures up to 150 Watts.

APPLICATION

· Tunnel Lighting
· Viaduct Lighting
· Freezer Lighting
· Storage Lighting
· Security Lighting
· Area Lighting

STRUCTURE, MATERIALS, & FEATURES

· Heavy-gauge, die-cast aluminum housing with cooling fins.
· Heat and impact resistant tempered glass lens with anti-glare diffuser.
· Corrosion resistant electrocoat dark grey finish (custom colors available).
· Continuous silicone gasket surrounds lens for weather - tight seal.
· Adjustable angle mounting brackets included.
· 72 PCS High Output LED's.
· High power factor, low THD driver.
· Instant-On flicker-free Cold Start and Hot Re-Start.
· Bright white light (5000˚K) for greater visibility and safety.
· LED engine design with Advanced Thermal Management.
· Up to 15 year maintenance free operation.
· 5 Year Warranty on complete fixture. (LED's, Driver, & Housing)

ORDERING INFORMATION

Sample Number: LED-49040-14-UNV-750-LD-120V-DGRY
Custom options and accessories available. Please consult factory

Source	Series	Wattage	Size	Voltage	Color Temp	Accessories	Color
LED	**49** = Low-Profile	**040** = 40W **055** = 55W **070** = 70W	**14** = 14" Housing	**UNV** = 120-277 VAC **347V** = 347 VAC **480V** = 480 VAC	**735** = 3500°K **741** = 4100°K **750** = 5000°K * * Standard	**LD-120V** = Photocell for 120V **LD-277V** = Photocell for 277V **MD** = Motion Sensor Detector	**DGRY** = Dark Grey * Custom Colors available

RoHS COMPLIANT

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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-49040-14-UNV	Low Profile LED Fixture	40	41	4,160	120-277	0.34 - 0.15	<15%	>0.98	25 lbs
LED-49055-14-UNV	Low Profile LED Fixture	55	57	5,060	120-277	0.48 - 0.20	<15%	>0.98	25 lbs
LED-49070-14-UNV	Low Profile LED Fixture	70	72	6,300	120-277	0.61 - 0.26	<15%	>0.98	25 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 ....5000°K

- Color Rendering Index (CRI) ....> 70
- Minimum Starting Temperature ....–40°C
- Maximum Starting Temperature ....50°C
- Lumens per Watt ....> 85
- Shock / Vibration Resistant ....ANSI - C136.31.
- 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
- IP Rating IP66
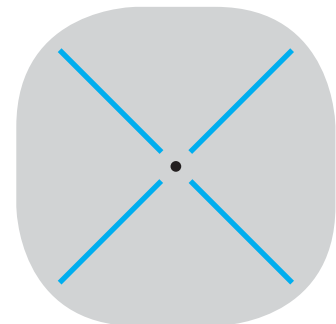- Warranty ....5 Year

MOUNTING OPTIONS

Surface Mount

Adjustable Mounting Brackets (Standard)

PHOTOMETRICS (See Complete IES File)

Type V Distribution