



LED WATTAGE CHART

| | 16L |
|----------------|------------------------|
| 175 milliamps | 10w (765-850 Lumens) |
| 350 milliamps | 18w (1944-2470 Lumens) |
| 530 milliamps | 28w (2940-3584 Lumens) |
| 700 milliamps | 36w (3636-4428 Lumens) |
| 1050 milliamps | 56w (5408-6496 Lumens) |

Form

- 2 Architectural Wall Sconces
- Elegant Rectilinear Extruded Aluminum Housing
- Corrosion Resistant Stainless Steel External Hardware
- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- 8 Architectural finishes standard, RAL colors available

Function

- Micro Optics IES Distributions T2, T3, T4, T5
- Lumileds Luxeon MX. LEDs
- Philips Advance 0-10V Dimming Drivers THD @ Max Load < 15% Power factor @ Max Load < 0.95
- 3000, 4000, or 5000 Kelvin
- 16L TO 64L LED Configuration
- 18-205 Watts (Single Head Wattage)
- <CRI 70
- Extruded Aluminum Heat Sink
- Driver Separate from Light Engine for Superior Thermal Management
- 5 mils Powder Coat

Reliability

- 30 Year Lighting Solution
- L70 483,000 Hours
- L90 160,000 Hours
- Silicone Micro Optics
- 5 Year Standard Warranty
- IP 65 Rated Fixture
- IP67 Optics
- UL Listed
- Reduces energy consumption and costs up to 65%



Project Name:

Type:

TWL ORDERING GUIDE

| Cat# | Light Dist. | No. of LEDs | Milliamps | Kelvin |
|------------------------------------|----------------|-------------|--------------|----------------|
| Trac Linear Wall Mount (TWL) | Type 2 (T2) | 16 (16L) | 175 (175) | 3000K (30K) |
| | Type 3 (T3) | | 350 (35) | 4000K (40K) |
| | Type 4 (T4) | | 530 (53) | 5000K (50K) |
| | | | 700 (7) | |
| | | | 1050 (1) | |

| Volts | Mounting | Color | Options |
|------------------|--------------------|--------------------------------|--------------------------------------|
| 120-277 (UNV) | Wall Mount (WM) | Bronze Textured (BRZ) | Surge Protector (10K) |
| | | White Textured (WHT) | Button Photo Cell (PC) |
| | | Smooth White Gloss (SWT) | <i>*Universal</i> Voltage 120-277 |
| | | Silver Textured (SVR) | Marine Grade Finish (MGF) |
| | | Black Textured (BLK) | Emergency Battery 8W (EM8) |
| | | Smooth Black Gloss (SBK) | |
| | | Graphite Textured (GPH) | |
| | | Grey (GRY) | |
| | | Custom (CS) | |

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver by Philips Advance
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- Lumileds Luxeon MX LED's
- CRI >70
- Color temperatures: 3000K, 4000K, 5000K

OPTIONS

• **MARINE GRADE FINISH (MGF)**—A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

- SURGE PROTECTOR - (10K)

• **VANITY PLATE (VP)**—The Vanity Plate was designed to cover the unsightly remains on a wall where a larger HID wallpack was removed. The Vanity Plate will be painted to match the finish of the NV-W, custom finishes are available, please consult factory. The standard Vanity Plate is 16" x 16".

CONTROLS

- Button Type Photo Cell (PC)
- Internal Microwave Motion Sensor (IMMS)

CONSTRUCTION

- Formed Aluminum
- Internal cooling fins, Finite Element Analysis (FEA) designed
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP-67 seal around each PCB

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Light's standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

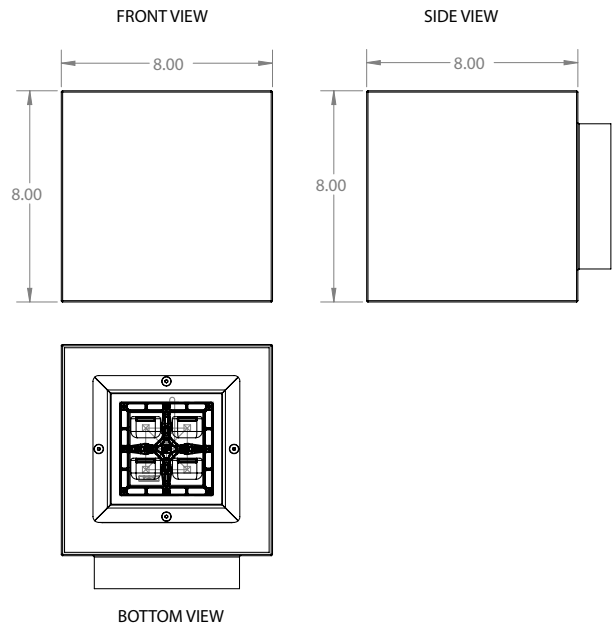
WARRANTY

Five-year limited warranty for drivers and LEDs.

OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time

DIMENSIONS

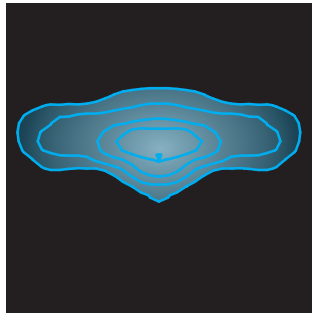
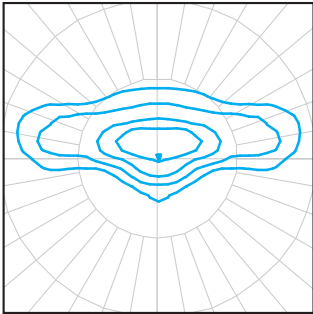


LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated

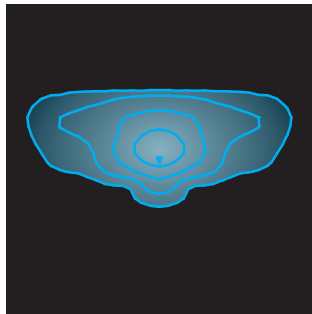
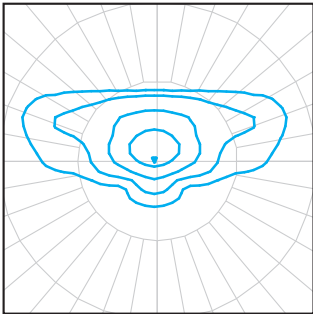


IES DISTRIBUTIONS



T2 Optic

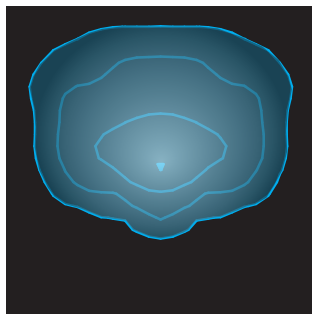
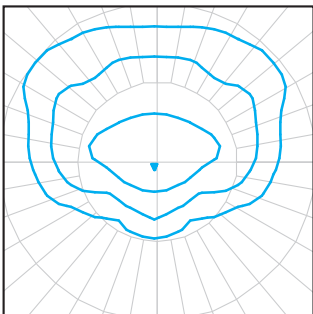
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



T3 Optic

The type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.

Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.



T4 Optic

The type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees.

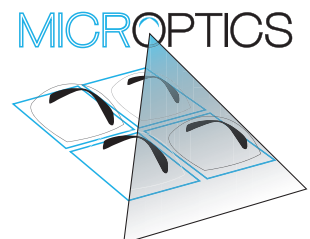
Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.

SILICONE OPTICS

NLS Lighting Silicone Micro Optical System technology takes quality and performance to the highest level. Vandal resistant, superior clarity—Micro Optics have become the best and lasting solution in the industry.

BENEFITS

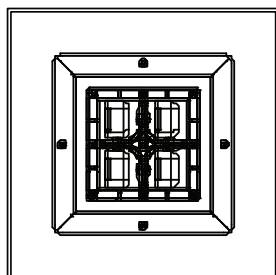
- Produces superior 96% clarity
- Heat resistant to 200° C, 50% higher than acrylic
- Ecologically friendly—no glare
- Vandal-resistant
- Does not brittle, crack, or yellow over time



OPTICAL CONFIGURATIONS

Rotatable Optics (ROR) Rotated Right, (ROL) Rotated Left options available. Optics field and factory rotatable.

TWL / 16L



OPTIC PLATE PAINTED TO MATCH FIXTURE FINISH

TWL LUMEN CHART

TRAC LUMEN CHART

| PART NUMBER | T2 | LM/W | BUG | T3 | LM/W | BUG | T4 | LM/W | BUG | WATTS |
|-----------------|------|------|----------|------|------|----------|------|------|----------|-------|
| TWL-16L-175-30K | 774 | 77 | | 765 | 77 | | 799 | 80 | | 10 |
| TWL-16L-175-40K | 799 | 80 | | 791 | 79 | | 825 | 83 | | 10 |
| TWL-16L-175-50K | 833 | 73 | | 816 | 82 | | 850 | 85 | | 10 |
| TWL-16L-35-30K | 1980 | 110 | B1-U0-G1 | 1944 | 108 | B1-U0-G1 | 2034 | 113 | B1-U0-G1 | 18 |
| TWL-16L-35-40K | 2142 | 119 | B1-U0-G1 | 2106 | 117 | B1-U0-G1 | 2196 | 122 | B1-U0-G1 | 18 |
| TWL-16L-35-50K | 2304 | 128 | B1-U0-G1 | 2268 | 126 | B1-U0-G1 | 2470 | 137 | B1-U0-G1 | 18 |
| TWL-16L-53-30K | 2968 | 106 | B1-U0-G1 | 2940 | 105 | B1-U0-G1 | 3080 | 110 | B1-U0-G1 | 28 |
| TWL-16L-53-40K | 3220 | 115 | B1-U0-G1 | 3192 | 114 | B1-U0-G1 | 3332 | 119 | B1-U0-G1 | 28 |
| TWL-16L-53-50K | 3472 | 124 | B1-U0-G1 | 3416 | 122 | B1-U0-G1 | 3584 | 128 | B1-U0-G1 | 28 |
| TWL-16L-7-30K | 3672 | 102 | B1-U0-G1 | 3636 | 101 | B1-U0-G1 | 3816 | 106 | B1-U0-G1 | 36 |
| TWL-16L-7-40K | 3996 | 111 | B1-U0-G1 | 3924 | 109 | B1-U0-G1 | 4104 | 114 | B1-U0-G1 | 36 |
| TWL-16L-7-50K | 4284 | 119 | B1-U0-G1 | 4248 | 118 | B1-U0-G1 | 4428 | 123 | B1-U0-G1 | 36 |
| TWL-16L-1-30K | 5544 | 99 | B1-U0-G1 | 5488 | 98 | B1-U0-G1 | 5408 | 96 | B1-U0-G1 | 56 |
| TWL-16L-1-40K | 6048 | 108 | B1-U0-G1 | 5936 | 106 | B1-U0-G1 | 5992 | 107 | B1-U0-G2 | 56 |
| TWL-16L-1-50K | 6496 | 116 | B1-U0-G1 | 6384 | 114 | B1-U0-G1 | 6440 | 115 | B1-U0-G2 | 56 |

| MODEL | WIDTH | DEPTH | LENGTH | WEIGHT |
|-------|-------|-------|--------|----------|
| TWL | 8" | 8" | 8" | 7.13 LBS |

| TEMP. | TWL L70/L90 DATA | |
|-------|--------------------|--------------------|
| | L70 (64L - 1050mA) | L90 (64L - 1050mA) |
| 25°C | 483,000 | 160,000 |