

|           |         |
|-----------|---------|
| CATALOG # | TYPE    |
| JOB NAME  | VOLTAGE |

**LWR-03489-1500L**

## Direct / Indirect • 3" x 12" Cylinder

Greater Than 50,000 Hour Life • 5 CCT • 1% Dimming  
LM-80 Qualified • LM-79 Certified • 3-Step Binning



Downlight Version  
Available  
See Option -DL

### Specifications

#### Delivered System Performance\*

- Lumen Series:
  - DIRECT:**
  - 1500L: 1500 nominal lumens (20W).
  - INDIRECT:**
  - 1500L: 1500 nominal lumens (20W).
- Distribution: MFL.
  - Optional: -SPT or -NFL.
- Color temperature: 3500°K standard.
  - Optional: -27, -30K, -41K or -50K.
- CRI: 80+. Optional: -HC (90+) for -27K or -30K only.
- >50,000 hour life (L70).
- Fully sustainable: removable for servicing.

#### Thermal Management System

- All aluminum, components and housing maximize cool operation and long life while minimizing maintenance.

#### LED Power Supply - INTERNAL

- 120-277V / 50-60Hz standard. Load insensitive.

- **0-10V CCR dimming standard. (100-1%)**
- Suitable for outdoor / indoor use: -30°C (-22°F) to 60°C (140°F).

#### Optic Assembly (Both Positions)

- Regressed spread lens.

#### Aluminum Housing - White Standard

- Seamless white acrylic enameled.
- No visible cylinder hardware.
- 1½" wall bracket arm and wall plate or see Option -87.
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test.
- Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire.

#### Outlet Box

- UL listed J-box. Prewired. 4" sq x 2-1/8" deep.
- 1/2" and 3/4" knockouts.

#### Installation

- Wall bracket arm (1-3/16") assembled to housing. ¼" wall plate and recessed outlet box included.
- Mounting hardware included.
- Indoor or outdoor. Also see Option -86.

#### UL, C-UL (Canada) Listings

- Damp or dry locations; Wet location with Option -86.

#### IEC & FCC Compliance

- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
- FCC Part 15 certified for EMI/RFI emissions.

**5 Year FIVE YEAR Limited Warranty**

- Complete standard fixture.

|                 | OPTIONAL            |                           |
|-----------------|---------------------|---------------------------|
| Product Number  | Options             | Ordering Example:         |
| LWR-03489-1500L | See "Options" below | LWR-03489-1500L-30K-38-86 |

### Options

#### LED Power Supply

- EI Remote emergency inverter for 100% of rated lumens (direct position). Run time: 90+ minutes.

#### Color Temperature (CCT and CRI)

- 27K Color temperature 2700°K instead.
- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.
- 50K Color temperature 5000°K instead.
- HC 90+ CRI instead. With -27K or -30K only.

#### Optics

- NFL Narrow flood distribution.
- SPT Spot distribution.

#### Luminaire (Housing) Finishes

- 35 Silver (natural aluminum) acrylic enamel.
- 37 Dark Bronze acrylic enamel.
- 38 Black acrylic enamel.
- 94 Custom color/finish. Specify. Consult factory.

#### Mounting

- 87 Custom wall bracket length. Specify. Standard arm 1-3/16" plus 1/4" wall plate.

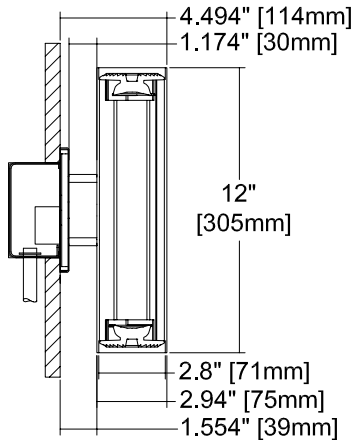
#### Other

- 86 WeatherCap. For wet location listing. Indirect position.
- 89 Sealed top WeatherCap for use with Option -DL only. Must add with Option -DL for wet label listing.
- 99 Special modification. Consult factory.
- ADA ADA compliant. 4" maximum standoff. 
- DL Downlight version instead. Add Option -89 for wet label.

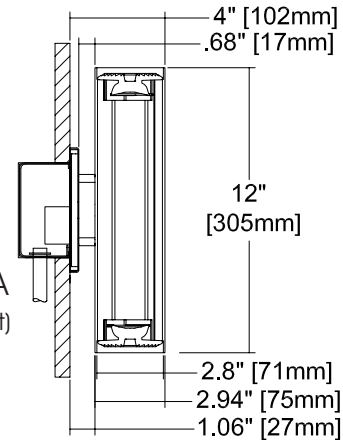
# LWR-03489-1500L-1500L(Up)

## PERFORMANCE

## Dimensions



With  
Option -ADA  
(ADA Compliant)



## Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

Photometry from I.T.L., Boulder, CO

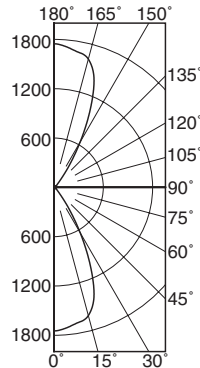
### -1500L-1500L(Up) (MFL)

Dn Lumens: 1420  
Up Lumens: 1420  
Dn Beam: ~48°  
SC: 0.8  
LPW: 77  
Efficiency: 72.8%  
ITL Test: 91232



Total System Watts 37.0

| CANDLEPOWER DISTRIBUTION |      |      |      |      |      |
|--------------------------|------|------|------|------|------|
|                          | 0.0  | 22.5 | 45.0 | 67.5 | 90.0 |
| 0                        | 1747 | 1747 | 1747 | 1747 | 1747 |
| 10                       | 1672 | 1672 | 1672 | 1672 | 1672 |
| 30                       | 637  | 637  | 637  | 637  | 637  |
| 50                       | 47   | 47   | 47   | 47   | 47   |
| 70                       | 17   | 17   | 17   | 17   | 17   |
| 90                       | 0    | 0    | 0    | 0    | 0    |
| 110                      | 17   | 17   | 17   | 17   | 17   |
| 130                      | 47   | 47   | 47   | 47   | 47   |
| 150                      | 637  | 637  | 637  | 637  | 637  |
| 170                      | 1672 | 1672 | 1672 | 1672 | 1672 |
| 180                      | 1747 | 1747 | 1747 | 1747 | 1747 |



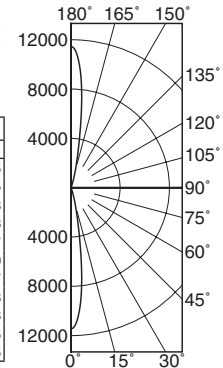
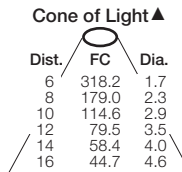
### -1500L-1500L(Up) (SPT)

Dn Lumens: 1397  
Up Lumens: 1397  
Dn Beam: ~16°  
SC: 0.3  
LPW: 76  
Efficiency: 71.6%  
ITL Test: 91230



Total System Watts 37.0

| CANDLEPOWER DISTRIBUTION |       |       |       |       |       |
|--------------------------|-------|-------|-------|-------|-------|
|                          | 0.0   | 22.5  | 45.0  | 67.5  | 90.0  |
| 0                        | 11455 | 11455 | 11455 | 11455 | 11455 |
| 10                       | 4095  | 4095  | 4095  | 4095  | 4095  |
| 30                       | 98    | 98    | 98    | 98    | 98    |
| 50                       | 38    | 38    | 38    | 38    | 38    |
| 70                       | 27    | 27    | 27    | 27    | 27    |
| 90                       | 0     | 0     | 0     | 0     | 0     |
| 110                      | 27    | 27    | 27    | 27    | 27    |
| 130                      | 38    | 38    | 38    | 38    | 38    |
| 150                      | 98    | 98    | 98    | 98    | 98    |
| 170                      | 4095  | 4095  | 4095  | 4095  | 4095  |
| 180                      | 11455 | 11455 | 11455 | 11455 | 11455 |



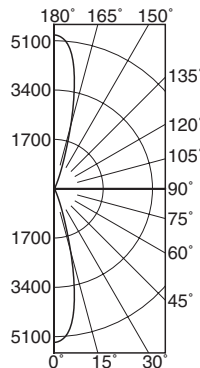
### -1500L-1500L(Up) (NFL)

Dn Lumens: 1413  
Up Lumens: 1413  
Dn Beam: ~27°  
SC: 0.4  
LPW: 76  
Efficiency: 72.5%  
ITL Test: 91231



Total System Watts 37.0

| CANDLEPOWER DISTRIBUTION |      |      |      |      |      |
|--------------------------|------|------|------|------|------|
|                          | 0.0  | 22.5 | 45.0 | 67.5 | 90.0 |
| 0                        | 5300 | 5300 | 5300 | 5300 | 5300 |
| 10                       | 4031 | 4031 | 4031 | 4031 | 4031 |
| 30                       | 175  | 175  | 175  | 175  | 175  |
| 50                       | 38   | 38   | 38   | 38   | 38   |
| 70                       | 17   | 17   | 17   | 17   | 17   |
| 90                       | 0    | 0    | 0    | 0    | 0    |
| 110                      | 17   | 17   | 17   | 17   | 17   |
| 130                      | 38   | 38   | 38   | 38   | 38   |
| 150                      | 175  | 175  | 175  | 175  | 175  |
| 170                      | 4031 | 4031 | 4031 | 4031 | 4031 |
| 180                      | 5300 | 5300 | 5300 | 5300 | 5300 |



## LM-80 Qualified • LM-79 Certified Photometry

\* LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from Independent Testing Laboratories (ITL) where photometry was measured from 1950 lumen (-1500L) light engines (within the established tolerance).

▲ Cone of Light Key  
Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (Ft.) from fixture  
FC Footcandles at nadir (0°)  
Dia. Circle of light at 50% of FC

## SUBMITTAL DATA

JOB NAME

TYPE

VOLTAGE

CATALOG NUMBER

## APPROVAL STAMP



LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within the years of original shipment. Liability of manufacturer is limited to the repairing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.