

# Cetus

## LED Dusk to Dawn

### Product Description

The Cetus LED Dusk to Dawn utilizes a single LED source and provides a light output suitable for general purpose security and area lighting. The Cetus is an economical and efficient lighting solution that includes a photocell and tubular mounting arm. The fixture easily installs on a wall or pole (included).

#### Construction

- Die-cast aluminum housing
- Tubular steel arm (2" diameter), 21" (length)
- Stainless steel hardware

#### Optical System

- Acrylic prismatic lens
- CRI 70+
- Utilizes advanced LED technology with CCT of 3000, 4000K, and 5000K

#### Electrical

- Thermally protected, high-efficiency driver
- Operating temperature rating of -40° to 120°F (-40°C to 49°C)
- Input voltage of 120-277VAC
- Available in 38 watt
- Photocell included

#### Finish

- Fine-textured, UV-stabilized powder coat grey finish

#### Mounting and installation

- Easy installation on wall or pole (pole mount arm included)
- For installations where power surge may be possible, NICOR recommends installing additional surge protection at the electrical distribution panel

#### Listings

- LM-79, LM-80 testing performed in accordance with IESNA standards
- UL and CUL Listed for wet locations
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- TM-21 Reported L70(17k) life > 102,000 hours
- TM-21 Projected L70(17k) life = 162,000 hours

#### Warranty

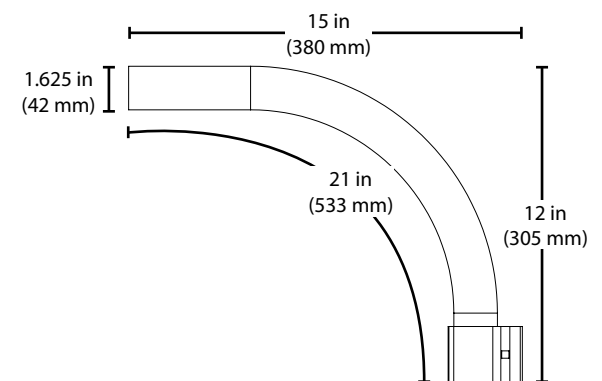
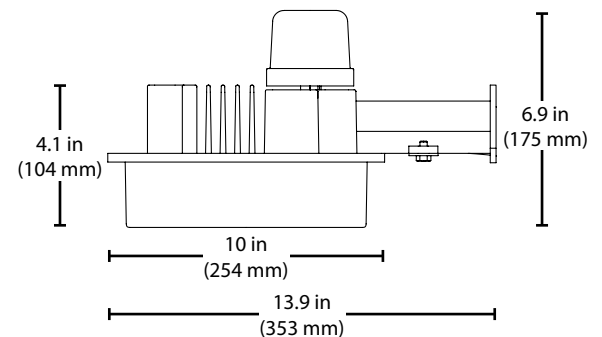
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project \_\_\_\_\_

Catalog \_\_\_\_\_

Type \_\_\_\_\_

Date \_\_\_\_\_



# Photometric Data

## ODL38 5000K

Input Voltage (VAC)	120-277
System Level Power (W)	39.1
120V Current (A)	0.33
277V Current (A)	0.15
Delivered Lumens (Lm)	4503
System Efficacy (Lm/W)	115.1
Correlated Color Temp (K)	4983
Color Rendering Index (CRI)	72
Beam Angle	127°
Spacing Criteria	2.16

### Intensity Summary (Candle Power)

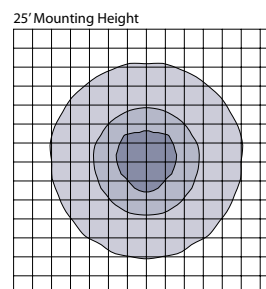
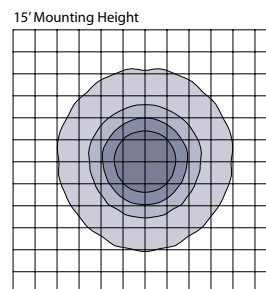
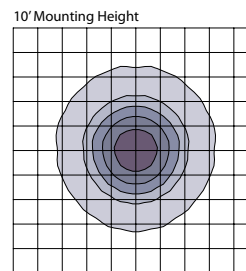
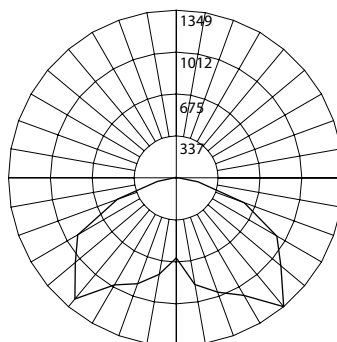
Angle	Mean CP
0	642
10	822
20	926
30	1035
40	1264
50	1073
60	902
70	551
80	162
90	18

### CCT Data Multiplier

ODL1038MV30	0.930
ODL1038MV40	0.964

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	771	17.1%
0-40	1493	33.2%
0-60	3282	72.9%
0-90	4476	99.4%
90-180	26	0.6%
0-180	4503	100.0%



- 5fc
- 2fc
- 1fc
- 0.5fc
- 0.1fc

Each square represents 100 square feet.

Fixture tested per LM-79-08. Photometric data is of the performance of a representative fixture. Results may vary in the field.

### Performance Data

Model Number	Lumens	Watts	Lumens/Watt	BUG Rating at 0°
ODL1038MV30	4188	39.1	107.1	B2-U2-G1
ODL1038MV40	4343	39.1	111.0	B2-U2-G1
ODL1038MV50	4503	39.1	115.1	B2-U2-G1

### EPA Data

Wattage	EPA	lbs	kg
38	0.6097 ft <sup>2</sup> 0.0566 m <sup>2</sup>	5.9	2.7

## Ordering Information

Example: ODL1038MV50GRP

Series	Version	Wattage	Voltage	CCTs	Finish	Photocell
ODL	1 (Version 1)	038 (38 W)	MV (120-277)	30 (3000 K)	GR (Grey)	P (Photocell)
				40 (4000 K)		
				50 (5000 K)		

Specifications and dimensions subject to change without notice.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.