

ODL4

LED Dusk to Dawn

Product Description

The ODL4 LED Dusk to Dawn utilizes next-generation design in a selectable wattage and CCT model. The ODL provides a light output suitable for general purpose security and area lighting. The ODL4 offers two models with selectable wattages (120W/96W/72W), (60W/48W/36W) and selectable CCT (3000K/4000K/5000K). The ODL is an economical and efficient lighting solution that includes a photocell and easily installs directly to a wall or on a pole.

Construction

- Die-cast aluminum housing
- Stainless steel hardware
- Fine-textured, UV-stabilized powder coat grey or bronze finish

Optical System

- Enclosed polycarbonate prismatic diffuser
- Uses an external selectable switch for CCT selection of 3000/4000/5000K
- CRI 80+

Electrical

- Input voltage of 120-277VAC
- Selectable wattages with 60W and 120W maximum
- Power factor: >0.9
- THD < 20%
- Operating temperature rating of -40°F to 104°F (-40°C to 40°C)
- 4KV surge protection
- 0-10V dimming

Controls

- Integral photocell is standard

Mounting and installation

- Easy installation on wall or pole (pole mount arm available as accessory)
- 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, IP65 rated
- Meets FCC Part 15, Subpart A, Class B standards for conducted and radiated emissions
- TM-21 Reported L70 life >54,000 hours
- DLC 5.1 Premium Listed

Warranty

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

Project

Catalog

Type

Date



ODL4 LED Dusk to Dawn Wattage Selectable CCT Selectable



Ordering

Ordering Information

Example: ODL4120SUNVSGR

Series	Version	Wattage (Selectable)	Voltage	CCTs Selectable	Finish
ODL	4	060S (60/48/36W)	UNV (120-277)	S (Select 3/4/5000K)	GR (Grey)
		120S (120/96/72W)			BZ (Bronze)

Specifications and dimensions subject to change without notice.

1. Photocell is a standard feature of ODL4

Accessories

Description	Part Number
Radius mounting arm - Grey	ODL4MOUNTARMGR
Radius mounting arm - Bronze	ODL4MOUNTARMBZ



Recommended 0-10VDC Dimmers*

Lutron NTSTV
Lutron DVSTV
Cooper SF10P
Legrand RH4FBL3PW

*Not a complete list. Check compatibility before installation.

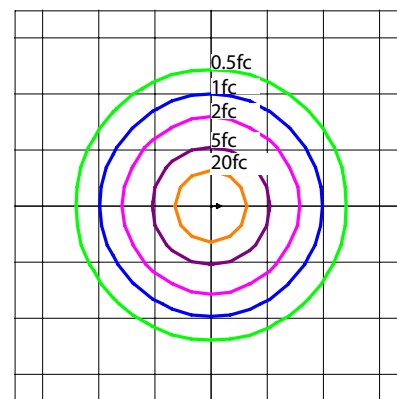
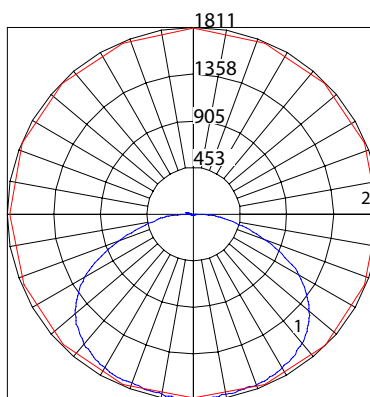
Photometric Data

ODL4060 Selectable 3000K

Input Voltage (VAC)	120-277V
System Level Power (W)	56.3
Delivered Lumens (Lm)	7058
System Efficacy (Lm/W)	126
Correlated Color Temp (K)	3092
Color Rendering Index (CRI)	83.8
Beam Angle (0)	134.6
Beam Angle (90)	134.5
Spacing Criteria (0)	1.46
Spacing Criteria (90)	1.46
BUG rating	B3-U3-G2

Intensity Summary (Candle Power)

Angle	Mean CP
0	1344
5	1400
15	1422
25	1497
35	1608
45	1527
55	1147
65	827
75	475
85	175
90	108



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle

10' Mounting Height (1 square = 100 sq ft)

CCT Data Multiplier

3000K	1.000
4000K	1.110
5000K	1.008

Wattage Multiplier

36W	0.60
48W	0.80

Zonal Lumen Summary

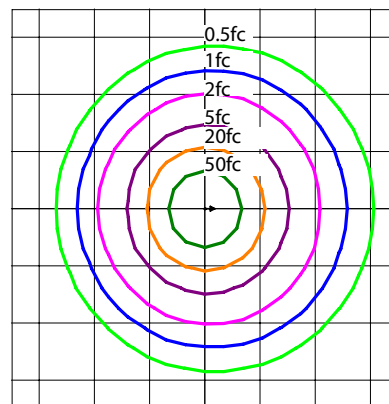
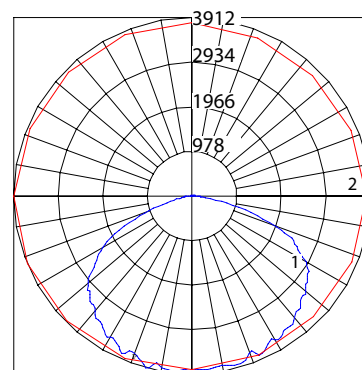
Zone	Lumens	% of Luminaire
0-30	1483	21.1%
0-40	2547	36.2%
0-60	4984	70.8%
0-90	6889	97.9%
90-180	148	2.1%
0-180	7037	100%

ODL4120 Selectable 3000K

Input Voltage (VAC)	120-277V
System Level Power (W)	112.8
Delivered Lumens (Lm)	13981
System Efficacy (Lm/W)	125
Correlated Color Temp (K)	3086
Color Rendering Index (CRI)	84
Beam Angle (0)	130.3
Beam Angle (90)	132.0
Spacing Criteria (0)	1.44
Spacing Criteria (90)	1.44
BUG rating	B3-U3-G2

Intensity Summary (Candle Power)

Angle	Mean CP
0	3837
5	3830
15	3784
25	3701
35	3573
45	3353
55	3101
65	2446
75	1182
85	183
90	141



1 - Vertical Plane Through Horizontal Angle
2 - Horizontal Cone Through Vertical Angle

10' Mounting Height (1 square = 100 sq ft)

CCT Data Multiplier

3000K	1.000
4000K	1.067
5000K	1.020

Wattage Multiplier

72W	0.65
96W	0.80

Zonal Lumen Summary

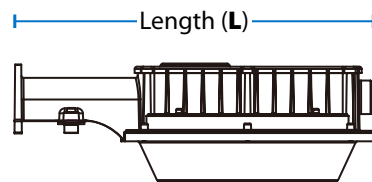
Zone	Lumens	% of Luminaire
0-30	3151	22.7%
0-40	5380	38.8%
0-60	10504	75.7%
0-90	13710	98.8%
90-180	160	1.2%
0-180	13870	100%

Performance Data

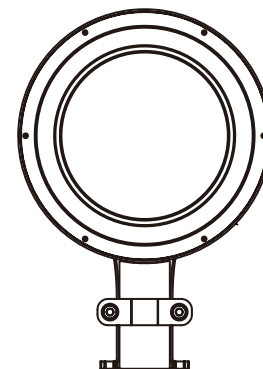
Performance Data						
Model Number	Wattage Setting	CCT	Lumens	Watts	Lumens/Watt	BUG Rating
ODL4060S	36	3000	4235	33.7	126	B2-U3-G2
		4000	4700		139	
		5000	4267		127	
	48	3000	5647	44.9	126	
		4000	6267		139	
		5000	5690		127	
	60	3000	7058	56.2	126	
		4000	7833		143	
		5000	7112		127	
ODL4120S	72	3000	9088	72.8	125	B3-U3-G2
		4000	9699		133	
		5000	9269		127	
	96	3000	11185	89.6	125	
		4000	11937		133	
		5000	11408		127	
	120	3000	13981	112.0	125	
		4000	14922		133	
		5000	14260		127	

Dimensions

	60W	120W
Fixture Length (L)	10.3 in (263.3 mm)	13.5 in (342.5 mm)
Fixture Width (W)	7.0 in (178.0 mm)	9.5 in (241.0 mm)
Fixture Height (H)	3.8 in (95.7 mm)	4.5 in (113.7 mm)



Height (H)



Width (W)



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.