

# ADL6

## 6" Architectural LED Downlight

### Product Description

NICOR's architectural LED downlights are energy efficient and environmentally responsible, allowing you to light larger commercial spaces with peace of mind. The ADL offers high efficacy and exceptional color rendering, making this luminaire an ideal choice in places such as corridors, conference rooms, lobbies, and large offices. The ADL is available in a range of color temperatures with lumen options to fit any project.

#### Construction

- Durable galvanized steel frame, with architectural mounting bracket
- Aluminum heat sink routes heat away from electrical components

#### Optical System

- Highly reflective optical cone and textured diffuser create a uniform distribution of light

#### Electrical

- Utilizes high performing LED's with 88 CRI
- Driver delivers full-range dimming from 0 - 10VDC
- External driver ensures steady performance and long lifespan
- IC rated for use in insulated ceilings
- Operating temperature rating of 0°F to 120°F (-18°C to 49°C)
- 120-277V Input voltage
- TM-21 Projected L70(10K) life > 50,000 hrs
- LM-80 testing performed in accordance to IESNA standards

#### Finish

- Satin reflector with white trim ring

#### Installation

- Butterfly-style architectural mounting brackets accept C-channel or flat bar hangers as well as 1/2" EMT for tie-down to ceiling grid

#### Warranty

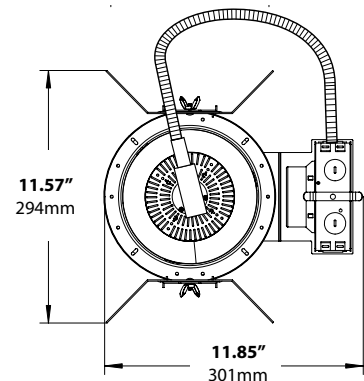
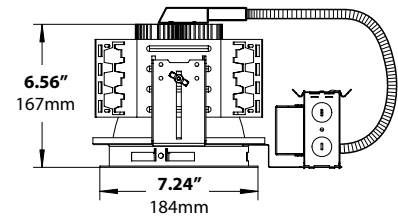
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge.)  
For installations where power surge may be possible, NICOR recommends installing additional surge protection at the fixture or electrical distribution panel

Project

Catalog

Type

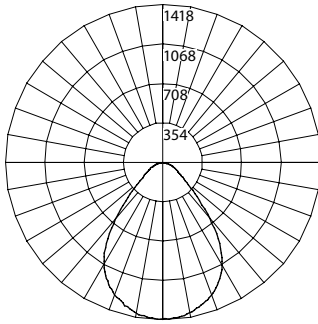
Date



# Photometric Data

## ADL6 3500K 28W

Input Voltage (VAC)	120-277V
System Level Power (W)	31.3
Delivered Lumens (Lm)	2314
System Efficacy (Lm/W)	73.9
Correlated Color Temp (K)	3521
Color Rendering Index (CRI)	88
Beam Angle	80°
Spacing Criteria	1.16



### Intensity Summary (Candle Power)

Angle	Mean CP
0	1412
5	1402
15	1329
25	1184
35	889
45	437
55	197
65	117
75	58
85	12
95	0

### CCT Data Multiplier

ADL6-1028-UNV-40K	1.022
ADL6-1028-UNV-50K	1.045

### Cone of Light Tabulation

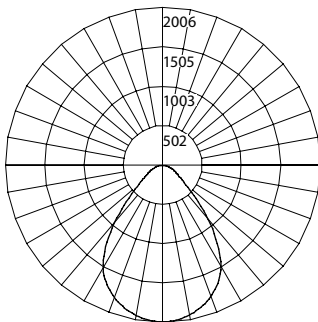
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	88.2	4.6
6	39.2	6.9
8	22.1	9.1
10	14.1	11.4
12	9.8	13.7
14	7.2	16.0
16	5.5	18.3

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1050	45%
0-40	1597	69%
0-60	2121	92%
0-90	2314	100%
90-180	0	0.0%
0-180	2314	100%

## ADL6 3500K 40W

Input Voltage (VAC)	120-277V
System Level Power (W)	41.2
Delivered Lumens (Lm)	3287
System Efficacy (Lm/W)	79.8
Correlated Color Temp (K)	3532
Color Rendering Index (CRI)	88
Beam Angle	80°
Spacing Criteria	1.16



### Intensity Summary (Candle Power)

Angle	Mean CP
0	2004
5	1992
15	1889
25	1681
35	1248
45	632
55	279
65	164
75	83
85	18
95	0

### CCT Data Multiplier

ADL6-1040-UNV-40K	1.031
ADL6-1040-UNV-50K	1.063

### Cone of Light Tabulation

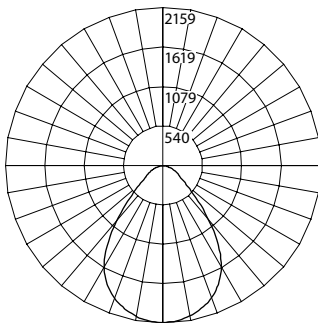
Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	125.3	4.6
6	55.7	6.9
8	31.3	9.1
10	20.0	11.4
12	13.9	13.7
14	10.2	16.0
16	7.8	18.3

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1491	45%
0-40	2261	69%
0-60	3014	92%
0-90	3287	100%
90-180	0	0.0%
0-180	3287	100%

## ADL6 3500K 48W

Input Voltage (VAC)	120-277V
System Level Power (W)	49
Delivered Lumens (Lm)	3598
System Efficacy (Lm/W)	73.4
Correlated Color Temp (K)	3527
Color Rendering Index (CRI)	88
Beam Angle	80°
Spacing Criteria	1.16



### Intensity Summary (Candle Power)

Angle	Mean CP
0	2157
5	2143
15	2034
25	1808
35	1338
45	693
55	319
65	198
75	104
85	23
95	0

### CCT Data Multiplier

ADL6-1048-UNV-40K	1.031
ADL6-1048-UNV-50K	1.063

### Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	134.8	4.6
6	59.9	6.9
8	33.7	9.1
10	21.6	11.4
12	15.0	13.7
14	11.0	16.0
16	8.4	18.3

### Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	1603	45%
0-40	2429	68%
0-60	3262	91%
0-90	3598	100%
90-180	0	0.0%
0-180	3598	100%

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

## Photometric Data

### Performance Data

Model Number	Lumens	Watts	Lumens/Watt
ADL6-1028-UNV-35K	2314	31.3	73.9
ADL6-1028-UNV-40K	2364	31.3	75.5
ADL6-1028-UNV-50K	2418	31.3	77.2
ADL6-1040-UNV-35K	3287	41.2	79.8
ADL6-1040-UNV-40K	3388	41.2	82.2
ADL6-1040-UNV-50K	3494	41.2	84.8
ADL6-1048-UNV-35K	3598	49	73.4
ADL6-1048-UNV-40K	3709	49	75.6
ADL6-1048-UNV-50K	3824	49	78.0

### Recommended Dimmers\*

Lutron NTSTV  
Lutron DVSTV  
Cooper SF10P  
Legrand RH4FBL3PW

\*Not a complete list. Check compatibility before installation.

## Ordering Information

Example: ADL6-1028-UNV-40K-E1

Series	Watts	Voltage	CCT's	Emergency
ADL6	1028 (28W)	UNV (120-277V)	35K (3500 K)	E1 (EMB45)
	1040 (40W)		40K (4000 K)	E2 (EMB80)
	1048 (48W)		50K (5000 K)*	E3 (EMB250)

Specifications and dimensions subject to change without notice.

\* Only available as special order. Contact NICOR for more info.

### Accessories

accessories sold separately

24" C-Channel Bar Hanger	17208
Universal C-Channel Bar Hanger for Mounting to Stud or T Grid	ADJUSTCCHNLHANGERBAR

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.