

DLRv6P

Recessed LED Downlight

Product Description

The DLRv6P is the newest generation of NICOR retrofit downlights, available in Selectable CCT models. Designed for both new construction and retrofitting, the polymer trimmed DLRv6P is available in white or black and fits standard 5" or 6" housings and the patented new-construction frame. With an impressive output of over 90 LPW, 90+ CRI, and an R9 value greater than 50, it meets the latest certification standards. A switch on the driver cap allows for easy CCT adjustment to 2700, 3000, 3500, 4000, or 5000K. The DLRv6P system, when combined with the frame, offers an energy-efficient and cost-effective solution for high-quality lighting.

Construction

- Durable polymer body
- Fully captured V-springs
- Color options: Matte White or Matte Black

Optical System

- Polycarbonate diffuser creates uniform light distribution with reduced glare
- Selectable models use a dual emitter array that enables CCT selection of 2700K, 3000K, 3500K, 4000K, or 5000K
- Utilizes high performing LEDs with 90+ CRI and an R9 > 50

Electrical

- Input voltage 120VAC, 60Hz
- CCT selection switch on back of housing
- Dimmable to 10% with compatible leading edge (TRIAC) or trailing edge (ELV) dimmers
- Operating temperature of -4°F to 104°F (-20°C to 40°C)

Mounting and installation

- Compatible with NICOR DLR56-FRAME
- Quick and easy installation with an IDEAL luminaire connector
- Compatible with most 5" & 6" recessed housings (socket string required)
- Accessory socket strings available (E26 or GU24)

Listings

- cETLus 1598 Classified for wet locations
- ENERGYSTAR listed
- CA Title 24 compliant (JA8)
- Rated for Insulation Contact
- Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5) for closet use
- RoHS Compliant
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- IECES-005 Compliant
- LM-79, LM-80 testing performed in accordance with IESNA standards
- LED lumen maintenance: L70(9k)>50,000 hrs

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 electrical distribution panel

Project

Catalog

Type

Date



Smooth



Baffle



DLRv6P
Recessed LED Downlight
900 Lumens
Selectable CCT



*Except 5000K



*when used with DLR56-Frame

NICOR

Ordering

Ordering Information

Example: DLR566P120SWHBF

Series	Version	Voltage	CCT's	Trim	Baffle
DLR56	6P	120	S (Select : 27/30/35/40/50K)	WH (White)	_Blank (Smooth)
				BK (Black)	BF (Baffle)

Specifications and dimensions subject to change without notice. Please refer to the website for the most up-to-date information.

Accessories

accessories sold separately

DLR56 New Construction Frame	DLR56-FRAME
Edison Base (E26) Socket String	E26-ID-SKT-4IN
GU24 to IDEAL Socket String	GU24-IDEAL-SKT-STR

Performance Data

Performance Data				
Model Number	CCT	Lumens	Wattage	Lumens/Watt
DLR566P120SWH**	2700	895	9.2	97.3
	3000	923		100.3
	3500	937		101.8
	4000	945		102.7
	5000	919		99.9
DLR566P120SBK**	2700	815	9.2	88.6
	3000	856		93.1
	3500	918		99.8
	4000	908		98.7
	5000	863		93.9

Recommended Dimmers¹

Lutron Skylark SCL-153P
Lutron DIVA DVELV-303P
LEVITON C22-06672-1LW

¹Not a complete list. Check compatibility before installation.

Alternate Housing Compatibility

(requires E26 socket string accessory for non LED housings)

15006A	5" IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
15006RA	5" IC-RATED AIRTIGHT REMODEL HOUSING
17014A	6" IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
17014A-LED-ID	6" LED IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
17014AR	6" IC-RATED AIRTIGHT REMODEL HOUSING
17014AR-LED-ID	6" LED IC-RATED AIRTIGHT REMODEL HOUSING

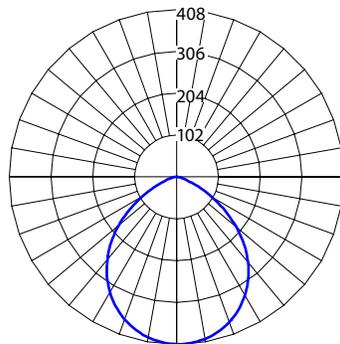
AND MOST STANDARD 5" and 6" HOUSINGS with v-spring clips

Not a complete list. Check compatibility before installation.

Photometric Data

DLR566P @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	9.2
Delivered Lumens (Lm)	923
System Efficacy (Lm/W)	100.4
Correlated Color Temp (K)	3064
Color Rendering Index (CRI)	95 R9=76
Beam Angle (°)	98.3
Spacing Criteria	1.22



Intensity Summary (Candle Power)

Angle	Mean CP
0	408
5	405
15	388
25	354
35	305
45	237
55	151
65	67
75	21
85	5
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	25.5	9.3
6	11.3	13.9
8	6.4	18.5
10	4.1	23.1
12	2.8	27.8
14	2.1	32.4
16	1.6	37.0

Zonal Lumen Summary

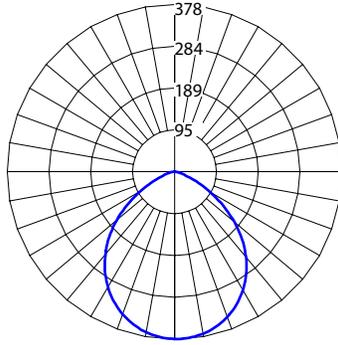
Zone	Lumens	% of Luminaire
0-30	312	33.8%
0-40	503	54.4%
0-60	823	89.1%
0-90	923	100%
90-180	0	0%
0-180	923	100%

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

Photometric Data

DLR566P-BK @ 3000K

Input Voltage (VAC)	120V
System Level Power (W)	9.2
Delivered Lumens (Lm)	856
System Efficacy (Lm/W)	93.0
Correlated Color Temp (K)	3000
Color Rendering Index (CRI)	95 R9=76
Beam Angle (°)	98.3
Spacing Criteria	1.22



Intensity Summary (Candle Power)

Angle	Mean CP
0	378
5	376
15	360
25	328
35	283
45	219
55	140
65	62
75	19
85	4
90	0

Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	23.6	9.3
6	10.5	13.9
8	5.9	18.5
10	3.8	23.1
12	2.6	27.8
14	1.9	32.4
16	1.5	37.0

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	289	33.8%
0-40	466	54.4%
0-60	763	89.1%
0-90	856	100%
90-180	0	0%
0-180	856	100%

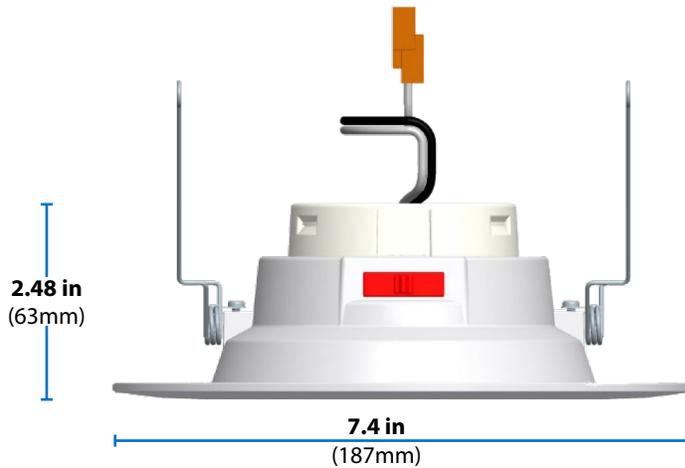
BK CCT Data Multiplier

2700K	0.883
3000K	0.927
3500K	0.994
4000K	0.983
5000K	0.935

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

Dimensions

DLR56v6P



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 B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.