

DQR4MA

4" Multi-Adjustable Recessed LED Downlight

Product Description

The DQR4MA multi-adjustable series is a modern, square architectural solution for both new construction and retrofit lighting of residential, commercial, and retail spaces. This multi-adjustable downlight can be fully rotated (359°) and pivoted (±30°) making it a very flexible option for wall wash and sloped ceilings. For precise aiming, the DQR4MA is easily adjusted from below the ceiling. Selectable CCT via a switch on the driver, exceptional color rendering of greater than 90 CRI, and high efficacy make this luminaire an ideal choice for homes, showrooms, conference rooms, corridors and other commercial spaces.

Construction

- Die cast aluminum housing
- Friction clip mounting system.
- Low profile integrated driver allows for use in shallow housings

Optical System

- Polystyrene diffuser creates uniform light distribution with reduced glare
- Contains 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 top of driver housing
- Dimmable to <10% with compatible leading edge (TRIAC) or trailing edge (ELV) dimmers
- Operating temperature of -22°F to 104°F (-30°C to 40°C)

Mounting and installation

- Compatible with most 4" recessed housings
- Quick and easy installation with included quick-connect plug.
- Ships with Medium/E26 socket string (GU24 socket string available)

Finish

- Matte white powder coat finish

Listings

- cULus 1598 Classified for damp locations
- ENERGYSTAR listed
- 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
- LED lumen maintenance: L70(9k)>50,000 hrs
- LM-79, LM-80 testing performed in accordance with IESNA standards

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



DQR4MA
Multi-Adjustable Recessed
LED Downlight
700 Lumens
Selectable CCT



Ordering

Ordering Information

Example: DQR4MA2120S9WH

Series	Version	Voltage	CCT	CRI	Trim
DQR4MA	2	120	S (Select: 27/30/35/40/50K)	9 (90+)	WH

Specifications and dimensions subject to change without notice.

Accessories

accessories sold separately

GU24 to IDEAL Socket String

GU24-IDEAL-SKT-STR

Performance Data

Performance Data				
Model Number	CCT	Lumens	Wattage	Lumens/Watt
DQR4MA2120S9**	2700	751	7.72	97.3
	3000	772	7.6	101.6
	3500	831	7.6	109.3
	4000	842	7.57	111.2
	5000	826	7.62	108.4

Housing Compatibility¹

MOST STANDARD 4" HOUSINGS

19000A	4" AIRTIGHT NEW CONSTRUCTION HOUSING
19000A-LED-ID	4" LED IC-RATED AIRTIGHT NEW CONSTRUCTION HOUSING
19001AR	4" AIRTIGHT REMODEL HOUSING
19001AR-LED-ID	4" LED IC-RATED AIRTIGHT REMODEL HOUSING

Recommended Dimmers¹

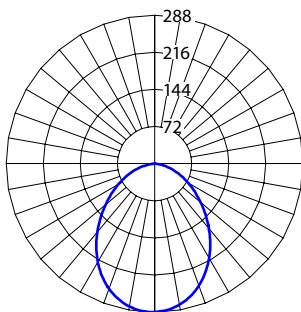
Lutron Skylark SCL-153P
Lutron DIVA DVELV-303P
LEVITON C22-06672-1LW

¹Not a complete list. Check compatibility before installation.

Photometric Data

DQR4MA 2700K

Input Voltage (VAC)	120
System Level Power (W)	7.7
Delivered Lumens (Lm)	751
System Efficacy (Lm/W)	97.5
Correlated Color Temp (K)	2734
Color Rendering Index (CRI)	93 R9=55
Beam Angle (0)	89.6
Beam Angle (90)	89.6
Spacing Criteria (0)	1.13
Spacing Criteria (90)	1.13



Intensity Summary (Candle Power)

Angle	Mean CP
0	345
5	342
15	321
25	281
35	227
45	168
55	115
65	71
75	35
85	0
90	0

CCT Data Multiplier

3000K	1.028
3500K	1.107
4000K	1.121
5000K	1.100

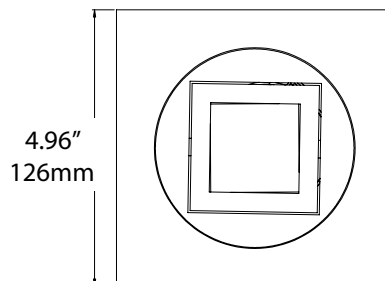
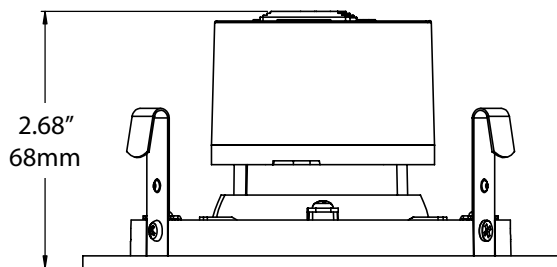
Cone of Light Tabulation

Mounted height (Feet)	Footcandles Beam Center	Diameter (Feet)
4	21.6	7.9
6	9.6	11.9
8	5.4	15.9
10	3.4	19.9
12	2.4	23.8

Zonal Lumen Summary

Zone	Lumens	% of Luminaire
0-30	254	33.9%
0-40	399	53.1%
0-60	638	85%
0-90	751	100%
90-180	0	0%
0-180	751	100%

Dimensions



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.