ND4S12E

RAB LIGHTING

Project:	Type:
Prepared By:	**Date:**

Driver Info

Type:	Constant Current
120V:	0.118A
208V:	0.079A
240V:	0.068A
277V:	0.059A
Input Watts:	0W
Efficiency:	N/A

LED Info

Watts:	12W
Color Temp:	Sold Separately
Color Accuracy:	90 CRI
L70 Lifespan:	N/A
Lumens:	N/A
Efficacy:	N/A

Easy to install 4" and 6" rough-in with die-cast aperture ring, removable driver, thermal protector and adjustable butterfly brackets. This rough-in is designed to make new construction recessed downlighting easy 90 CRI.

Color: N/A   Weight: 4.4 lbs

Technical Specifications

Listings

UL Listed:

Suitable for wet locations covered ceiling.

Optical

Photometrics:

Photometrics are based on prorated reports. Contact the RAB Lighting Design department for the most up-to-date data.

Construction

Housing Component:

This component must be ordered with New Construction Square Trim Module in order to make a complete fixture.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Aperture Size:

4" Rough-In.

Drop Ceiling Installation:

NDLED can be installed in drop ceiling tiles when using optional c-channel bars and following local construction codes.

Junction Box:

Integral junction box with wiring capacity for Min 90°C supply conductors
4 in 4 out

Butterfly Brackets:

The Butterfly bracket allows to mount with the following 1/4 x 1/2" bar stock, C Channel, 1/2" conduit, or nailer bars.

Easy Installation:

The EZConnector makes installation easy.

Thermal Protector:

Thermal protector included. Disables power if temperature exceeds safe operation levels.

Electrical

Driver:

Electronic Low Voltage, Constant Current, Class 2, 120-277V, 50/60Hz, 350mA, 120V 0.17A 277V 0.09A, Power Factor 99.4%, THD ≤ 10%.

Dimming Driver:

Electronic Low Voltage compatible dimmer with dimming as low as 5%.

Other

Equivalency:

DLED 12W is equivalent to 75W R30.

Air Tight:

Housing certified Air Tight as per ASTM E283

California Title 24:

ND4S12E complies with 2013 California Title 24 building and electrical codes as a residential indoor fixture. It also complies as a commercial indoor fixture for general spaces when used with a vacancy sensor and ELV dimming control. Select a vacancy sensor using catalog number LVS800. ELV dimmer provided by others.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

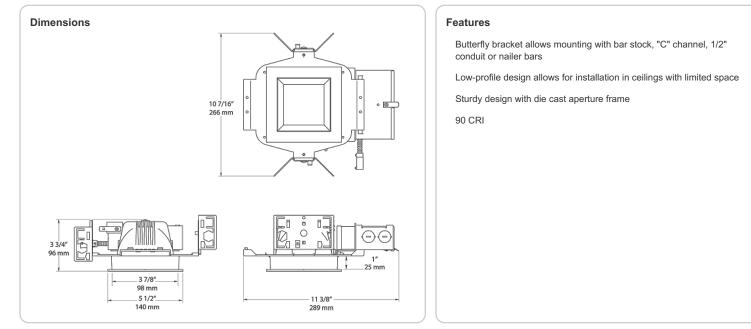Suitable in accordance with FAR Subpart 25.4.

LED Characteristics

Color Accuracy:

90 CRI

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Dimensions

10 7/16"
266 mm

3 3/4"
96 mm

3 7/8"
98 mm

5 1/2"
140 mm

1"
25 mm

11 3/8"
289 mm

Features

Butterfly bracket allows mounting with bar stock, "C" channel, 1/2" conduit or nailer bars

Low-profile design allows for installation in ceilings with limited space

Sturdy design with die cast aperture frame

90 CRI

Ordering Matrix

Family	Type	Size	Shape	Watts	Dimming Driver	Battery Backup
ND	^	4	S	12	E	^
	Blank = Standard	**4** = 4"	**S** = Square	**12** = 12W	**Blank** = Triac Driver	**Blank** = No Battery Backup
	IC = Insulation Contact (IC)	**6** = 6"		**20** = 20W	**E** = ELV Driver	**/E2** = 120-277V Backup
				26 = 26W	**L** = Lutron Driver	
					F = 120V-277V Driver	