

# NDICLED3S-25DNHC-TL



3-inch new construction downlight with a patented 3-in-1 design that supports a variety of options for a broad range of applications.

Color: N/A

Weight: 10.4 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

### Driver Info

|              |                  |
|--------------|------------------|
| Type:        | Constant Current |
| 120V:        | 0.24A            |
| 208V:        | 0.15A            |
| 240V:        | 0.13A            |
| 277V:        | 0.11A            |
| Input Watts: | 27W              |
| Efficiency:  | 93%              |

### LED Info

|                 |            |
|-----------------|------------|
| Watts:          | 25W        |
| Color Temp:     | 4000K      |
| Color Accuracy: | 90 CRI     |
| L70 Lifespan:   | 100,000    |
| Lumens:         | 696 - 1464 |
| Efficacy:       | 26 LPW     |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for wet locations in a covered ceiling (adjustable models suitable for damp locations).

### Optical

#### Photometrics:

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

#### Optics:

High-efficiency TIR optics. Available as a downlight (80° or 50° beam), adjustable (40° or 20° beam with 40° vertical adjustment and 360° rotation), or a wall washer.

### Construction

#### IC Rating:

Suitable for direct contact with insulation

#### Trim:

Accepts trimless cones (spackle flange included)

#### Housing Component:

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

#### Cold Weather Starting:

Minimum starting temperature is -40° F (-40° C)

#### Maximum Ambient Temperature:

Suitable for use in 104° F (40°C) ambient temperatures

#### Housing:

Cold-rolled steel and aluminum

#### Installation:

Nailer bar and butterfly brackets included; C-channels optional for acoustic tiles

#### Green Technology:

Mercury and UV free. RoHS compliant components.

### LED Characteristics

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### Color Consistency:

2-step u'-v' Circle Tolerance, previously referred to as 2-step MacAdam Ellipse, achieves consistent fixture-to-fixture color (ANSI standard C78.377.2015)

### Electrical

#### Driver:

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 0.24A, 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

#### Dimming Driver:

Universal dimming driver supports TRIAC, ELV and 0-10V.

#### Surge Protection:

2kV

#### Performance:

80° white: 1293 lumens, 50 lm/W  
50° white: 1348 lumens, 52 lm/W  
40°A white: 1442 lumens, 56 lm/W  
20°A white: 1411 lumens, 54 lm/W  
WW white: 941 lumens, 37 lm/W

80° matte: 1299 lumens, 50 lm/W  
50° matte: 1351 lumens, 52 lm/W  
40°A matte: 1464 lumens, 57 lm/W  
20°A matte: 1435 lumens, 55 lm/W  
WW matte: 947 lumens, 38 lm/W

80° black: 1084 lumens, 42 lm/W  
50° black: 1255 lumens, 49 lm/W  
40°A black: 1379 lumens, 53 lm/W  
20° black: 1334 lumens, 51 lm/W  
WW black: 696 lumens, 27 lm/W

### Other

#### Aperture Size:

3" Rough-In

#### Special Order:

Available in battery backup option by special request. Contact RAB customer service to order.

#### 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).

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

## Dimensions



## Features

- 3-in-1 housing accommodates downlight, adjustable or wall washer
- Universal driver supports TRIAC, ELV and 0-10 dimming
- IC-rated, Certified Air Tight
- 100,000 hour LED lifespan
- 5-year no-compromise warranty

## Ordering Matrix

| Family  | Size   | Shape      | Wattage              | Driver                                      | Color Temp                                                                                            | CRI                           | Trim                                                                                     | Installation                            |
|---------|--------|------------|----------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------|
| NDICLED | 3      | S          | 25                   | D                                           | N                                                                                                     | HC                            | TL                                                                                       |                                         |
|         | 3 = 3" | S = Square | 25 = 25W<br>15 = 15W | D = TRIAC, ELV, 0-10V Dimming<br>L = Lutron | N = 4000K (Neutral)<br>YN = 3500K (Warm Neutral)<br>Y = 3000K (Warm)<br>YY = 2700K (Residential Warm) | Blank = 80 CRI<br>HC = 90 CRI | Blank = Accepts cones with trim<br>TL = Accepts trimless cones (spackle flange included) | Blank = Standard<br>CP = Chicago Plenum |