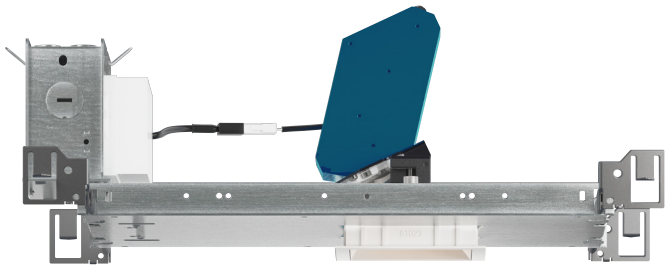
alphabet

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

# NU3

## 3" Square Wall Wash Tunable White

NSF · AT airtight · DF dead-front · PR plenum rated · wet rated



| WW BEAM (Note: Specifications are subject to change without notice) | | |
|---|---|---|
| 14mm COB PERFORMANCE DATA | | |
| LED LIGHT ENGINE | NOMINAL DELIVERED LUMENS | SYSTEM WATTAGE |
| 10LM | 1060LM @35K/95CRI | 18W |
| Notes | Delivered lumens based on wall wash optic, (see page 2) | |

### FEATURES

- An asymmetric reflector with highly efficient BrightView angle bending lens produces excellent wall washing with no scalloping
- 3/4" bezel regress with 1/16" micro flange
- Custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

### DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- DMX-512/RDM dim to 0%
- Wireless control options, dim to 1% (see page 11)

### CONSTRUCTION

- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-3/8"
- **CUTOUT DIMENSIONS:**
  Trim - 3-1/4" x 3-1/4"
  Trimless - 3-1/2" x 3-1/2"
  Millwork - 3-9/32" x 3-9/32"

### LED

- Luminus tunable white COB: 95 CRI, R9 > 70: SDCM = 4-step MacAdam Ellipse; Lumen Maintenance: $L_{70}$ > 54,000 hrs

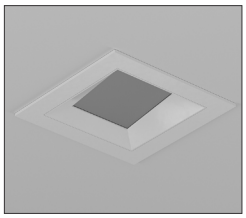
### LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

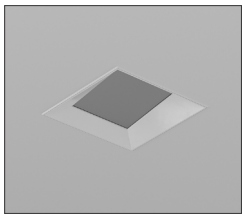
### ELECTRICAL

- Power factor ≥ 0.9
- 2kV driver input surge protection
- Max. ambient installation temperature 95°F (35°C)

## TRIM OPTIONS



Trimmed

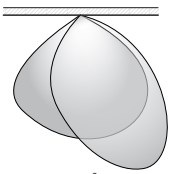


Trimless



Trimless Millwork

## BEAM SPREADS



89˚

alphabet

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## ORDERING CODE

| | | |
|---|---|---|
| **SERIES** | **NU3** | NU3 |
| **TYPE** | **QW** | square wall wash |
| | **QWT** | square wall wash trimless |
| | **QWTMW** | square wall wash trimless millwork |
| **LED** | **TW** | tunable white (Luminus) |
| **DELIVERED LUMENS** | **10LM** | 1060 lm |
| | **Standard Configuration:** 3500K 95CRI, **WW** | |
| | **Calculated Delivered Lumens =** [Delivered Lumen Value] x [CCT Multiplier] | |
| **CCT** | **1840** | 1800K to 4000K tunable white |
| | **2765** | 2700K to 6500K tunable white |

**1840**

| CCT | 1800K | 2000K | 2400K | 2700K | 3000K | 3500K | 4000K |
|---|---|---|---|---|---|---|---|
| CCT MULTIPLIER FOR LUMEN OUTPUT | 0.74 | 0.76 | 0.83 | 0.88 | 0.96 | 1 | 1.09 |
| EML RATIO | 0.21 | 0.33 | 0.46 | 0.54 | 0.6 | 0.69 | 0.73 |

**2765**

| CCT | 2700K | 3000K | 3500K | 4000K | 5000K | 5700K | 6500K |
|---|---|---|---|---|---|---|---|
| CCT MULTIPLIER FOR LUMEN OUTPUT | 0.96 | 0.97 | 1 | 1.01 | 1.04 | 1.06 | 1.09 |
| EML RATIO | 0.52 | 0.62 | 0.76 | 0.83 | 0.96 | 1.02 | 1.07 |

| | | |
|---|---|---|
| **CRI** | **95** | 95 typical, 90 minimum |
| **OPTIC & LM MULTIPLIER** | **WW** | wall wash with diffused angle bending lens |
| **TRIM COLOR** | **BK** | black |
| | **WH** | white |
| | **MC** | matte chrome |
| | **BZ** | bronze |
| | **CC**[1] | custom color, consult factory for details |
| | Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM. | |
| | Not applicable to trimless option. Do not include in trimless ordering code. | |
| **BEZEL COLOR** | **BK** | black (0.98) |
| | **WH** | white (1.00) |
| | **MC** | matte chrome (0.99) |
| | **BZ** | bronze (0.98) |
| | **CC**[1] | custom color, consult factory for details |
| | Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM. | |

## ORDERING CODE

| | | |
|---|---|---|
| **MOUNTING OPTIONS** | **NC** | new construction plate |
| | **NC-F** | new construction plate, fixed driver |
| | **ICAT** | insulation contact/airtight housing |
| | **IC** | insulation contact housing |
| | **CP** | chicago plenum housing |
| | **RET** | retrofit, no ceiling plate |
| **VOLTAGE** | **UNV** | 120V-277V |
| | **LVL**[2,3] | low voltage luminaire |
| **DIMMING** | **DIM10Z**[4] | eldoLED flicker free 0-10V dim 0.1% |
| | **DALIZ-DT6** | flicker free DALI-2, DT6, dim to 0% |
| | **DALIZ-DT8** | flicker free DALI-2, DT8, dim to 0% |
| | **DMX-RJ45** | DMX control dimming to 0.1% with RJ45 connection |
| | **DMXZ-RJ45** | DMX-512/RDM dim to 0% with RJ45 input |
| | **DMX-WL** | DMX-512/RDM dim to 0% with lead wire input |
| | **DMX-XLR** | DMX-512/RDM dim to 0% with XLR input |
| | **NLT** | nLight control interface: Cat-5/RJ45, dim to off |
| | **REMOTE DX COMPACT DRIVER** (ref. page 10 for available options) | |
| | **WIRELESS** (ref. page 11 for available options) | |

## YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

**NU3 -QW - TW - 10LM - 2765 - 95 - WW - WH - WH - NC - UNV - DIM10Z**

### NOTES

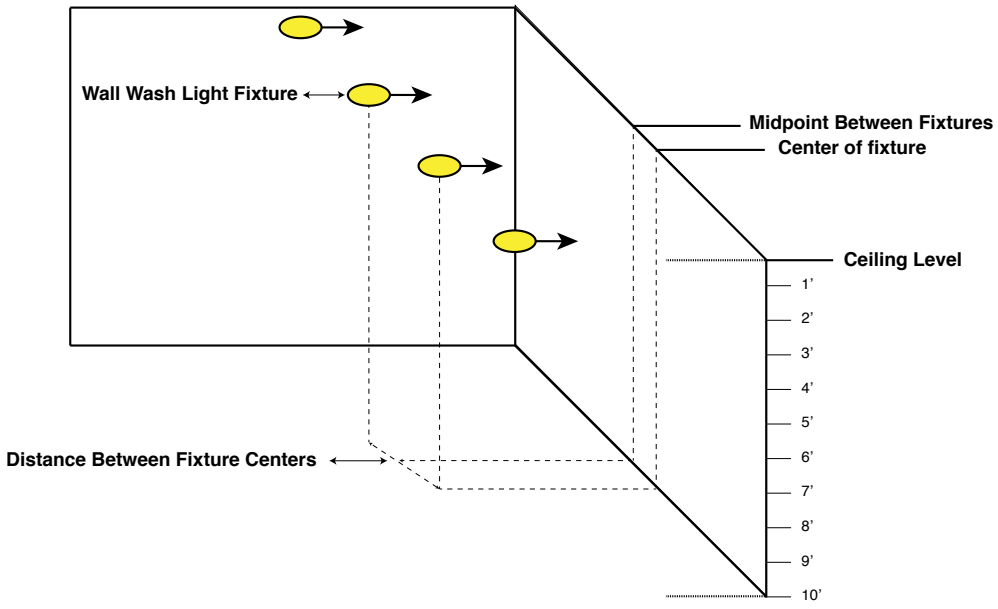
1. Custom set up fee plus minimum quantity required per color.
2. Available with NC or RET mounting options only
3. Must select DX dimming with LVL.
4. Requires 2 wall controllers (see wiring diagram).

* EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML ratio for the given CCT. Example: 254 lux x 0.79 = 200 melanopic lux at 4000K.

alphabet

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## PHOTOMETRIC DATA DIAGRAM



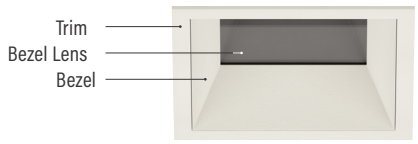

| TUNABLE WHITE WALL WASH 30LM 95CRI 3500K | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOUNTING DISTANCE | 2' FROM WALL | | | | | | 3' FROM WALL | | | | | | 4' FROM WALL | | | | | |
| FIXTURE SPACING | 2' ON CENTER | | 3' ON CENTER | | 4' ON CENTER | | 2' ON CENTER | | 3' ON CENTER | | 4' ON CENTER | | 3' ON CENTER | | 4' ON CENTER | | 6' ON CENTER | |
| DISTANCE FROM CEILING | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT | CENTER | MID POINT |
| 1' | 10.1 | 11.1 | 7.1 | 7.3 | 6.2 | 4.3 | 2.3 | 2.5 | 1.9 | 1.7 | 1.6 | 0.8 | 1.6 | 1.7 | 1.2 | 1.3 | 1 | 0.7 |
| 2' | 50.7 | 53.6 | 32.1 | 38 | 25.8 | 26.4 | 9.1 | 10.2 | 5.9 | 8.2 | 4.4 | 5 | 3.3 | 3.4 | 2.5 | 2.8 | 1.8 | 1.8 |
| 3' | 50.2 | 52.3 | 35.1 | 36.2 | 26.7 | 27.3 | 22.5 | 23.8 | 16.2 | 19 | 11.5 | 11.8 | 9.3 | 9.7 | 7.1 | 7.9 | 4 | 5.9 |
| 4' | 35.6 | 37.3 | 26.4 | 27.1 | 20.2 | 20.6 | 24.2 | 25 | 18.4 | 19.3 | 12.6 | 12.9 | 16.1 | 17 | 12.7 | 13.4 | 8 | 9.5 |
| 5' | 24.1 | 25.1 | 18.7 | 19.4 | 14.7 | 15 | 20.1 | 21.1 | 16 | 16.5 | 10.9 | 11.1 | 17.1 | 18 | 13.9 | 14.4 | 9.3 | 10 |
| 6' | 16.5 | 17 | 13.2 | 13.8 | 10.7 | 11 | 15.8 | 16.6 | 12.9 | 13.4 | 9 | 9.1 | 15.2 | 15.9 | 12.6 | 13.1 | 8.8 | 9.1 |
| 7' | 11.5 | 11.8 | 9.6 | 9.9 | 7.9 | 8.2 | 12.2 | 12.7 | 10.2 | 10.6 | 7.3 | 7.4 | 12.7 | 13.3 | 10.7 | 11.2 | 7.7 | 7.9 |
| 8' | 8.2 | 8.4 | 7.1 | 7.3 | 5.9 | 6.2 | 9.4 | 9.8 | 8 | 8.4 | 5.9 | 6 | 10.4 | 10.8 | 8.9 | 9.3 | 6.6 | 6.8 |
| 9' | 6 | 6.2 | 5.3 | 5.5 | 4.6 | 4.7 | 7.3 | 7.6 | 6.3 | 6.6 | 4.7 | 4.9 | 8.4 | 8.7 | 7.3 | 7.7 | 5.6 | 5.7 |
| 10' | 4.6 | 4.6 | 4.1 | 4.2 | 3.6 | 3.7 | 5.7 | 5.9 | 5.1 | 5.2 | 3.9 | 4 | 6.8 | 7 | 6 | 6.3 | 4.7 | 4.8 |

alphabet

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## TRIM OPTIONS

### TRIM/BEZEL COLORS




WH



MC



BK

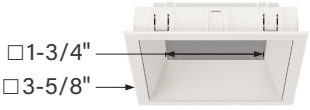


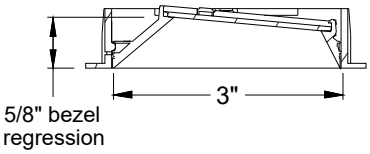
BZ



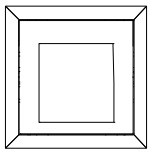
CC

### TRIMMED



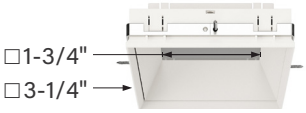



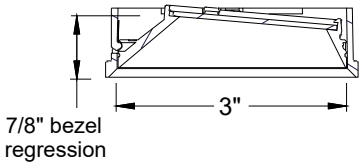

aperture dimensions



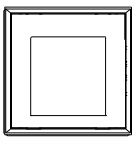
ceiling cutout
3-1/4" square
ceiling thickness
1/8" to 1-1/4"

### MILLWORK



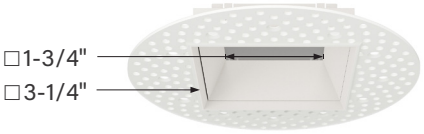



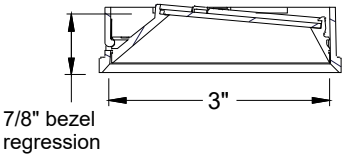

aperture dimensions



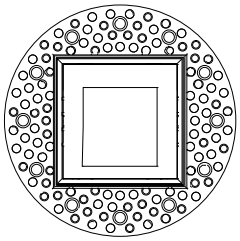
ceiling cutout
3-9/32" square
ceiling thickness
5/8" to 1-3/8"

### TRIMLESS




aperture dimensions



ceiling cutout
3-1/2" square
ceiling thickness
3/8" to 1-3/8"

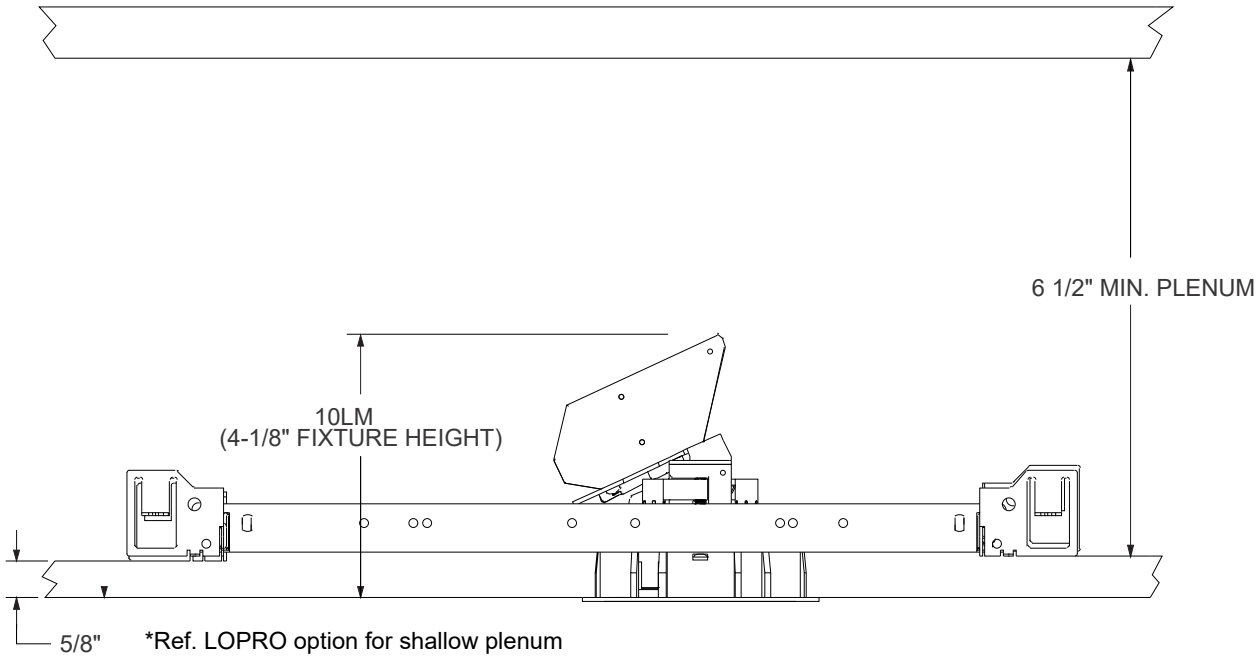
| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## MOUNTING OPTIONS

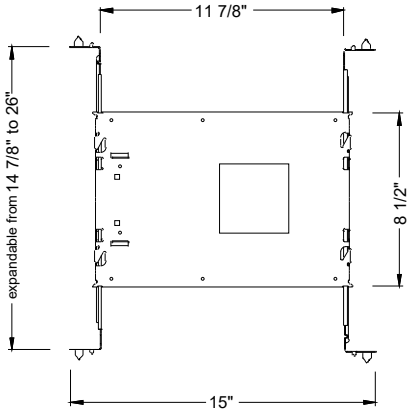
| RATINGS / CERTIFICATIONS | NC | RET | IC | ICAT | CP |
|---|---|---|---|---|---|
| TYPE NON-IC | ✔ | ✔ | | | |
| TYPE IC | | | ✔ | ✔ | |
| CHICAGO PLENUM (CCEA) | | | | | ✔ |
| SUITABLE FOR AIR HANDLING PLENUMS | ✔ | ✔ | ✔ | ✔ | ✔ |
| REDUCED AIRFLOW (WITH LENS) ASTM E283 | ✔ | ✔ | ✔ | ✔ | ✔ |

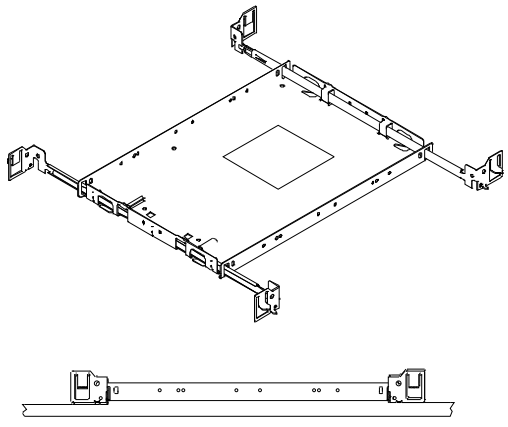
| MOUNTING TYPE | STANDARD CEILING THICKNESS | STANDARD CEILING CUTOUT |
|---|---|---|
| TRIM | 1/8" to 1-1/4" | 3-1/4" square |
| TRIMLESS | 3/8" to 1-3/8" | 3-1/2" square |
| MILLWORK (TRIMLESS) | 5/8" to 1-3/8" | 3-9/32" square |

## PLENUM HEIGHT




## NEW CONSTRUCTION - NC



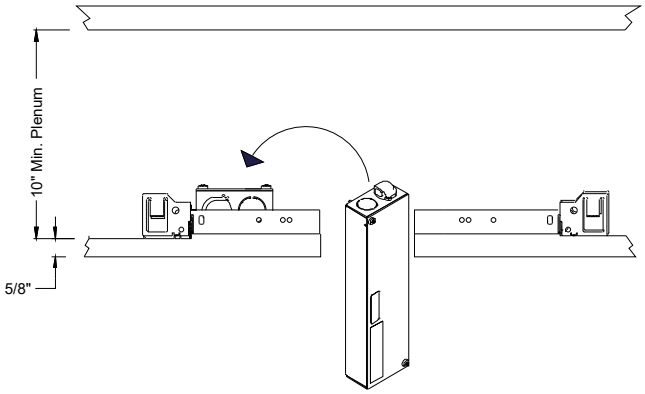



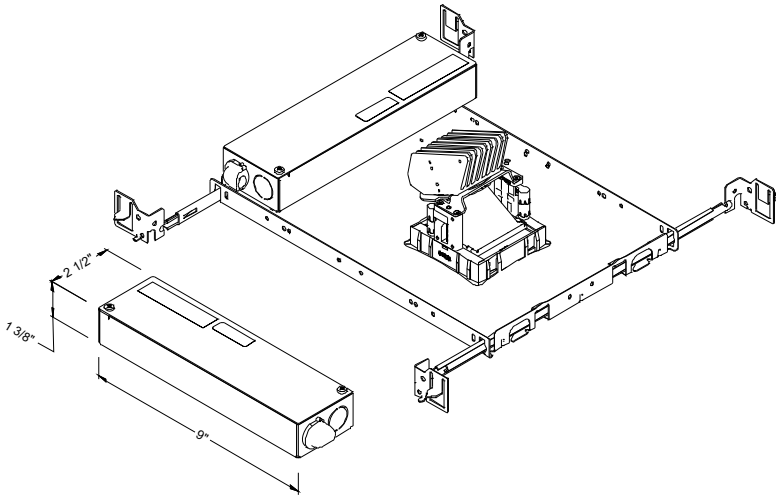
| ADDITIONAL MOUNTING INFO | |
|---|---|
| New Construction<br>Bar Hangers (included) | Mounting Length:<br>14-3/4" to 26" |
| Extension Kit p/n: K20266<br>(ordered separately,<br>1 per fixture) | *Extends a pair of Bar Hangers*<br>Total Mounting Length:<br>29" to 48" |

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

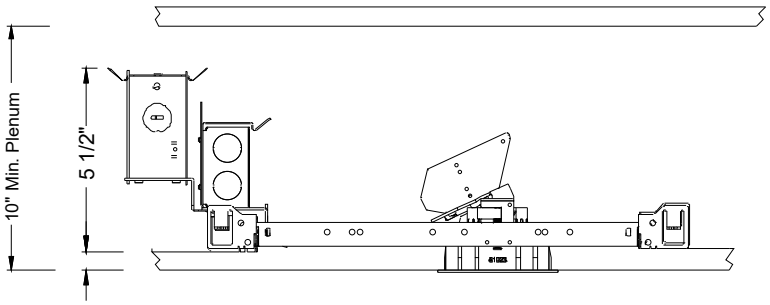
## MOUNTING OPTIONS

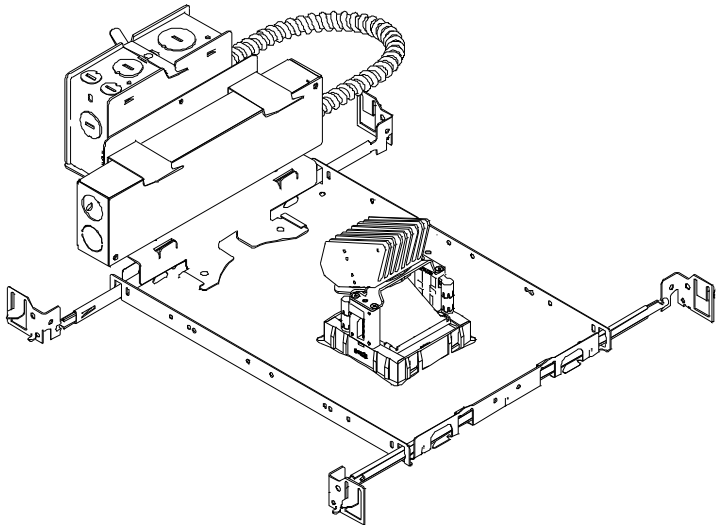
### 10LM (DIM10Z / DALIZ-DT6 / DALIZ-DT8)
(BELOW CEILING ACCESSIBLE)




### 10LM (DIM10Z / DALIZ - DT6 / DALI - DT8 ) - FIXED
(ABOVE CEILING ACCESS REQUIRED)



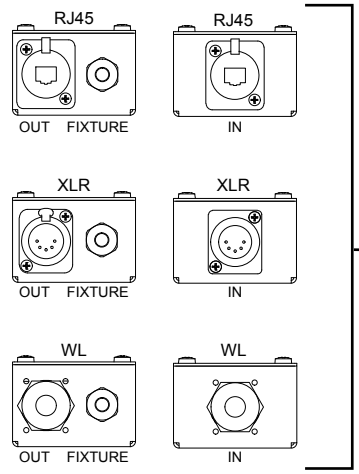



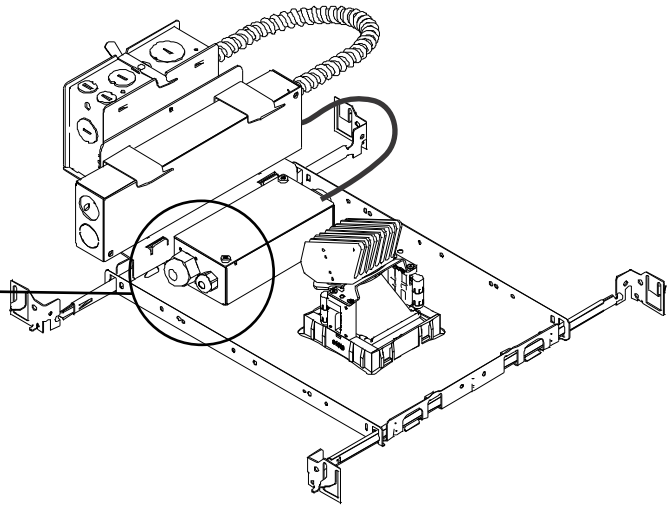
| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## MOUNTING OPTIONS

### 10LM (DMX-WL / DMX-XLR / DMX -RJ45 )

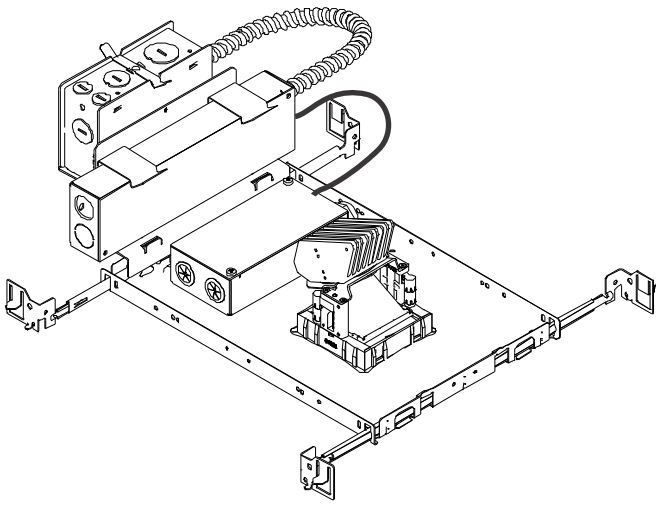
(ABOVE CEILING ACCESS REQUIRED)



### 10LM (NLT)

(ABOVE CEILING ACCESS REQUIRED)

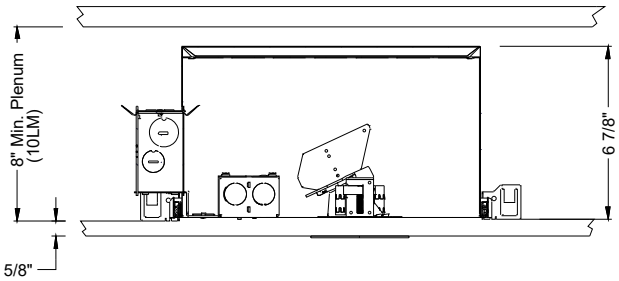


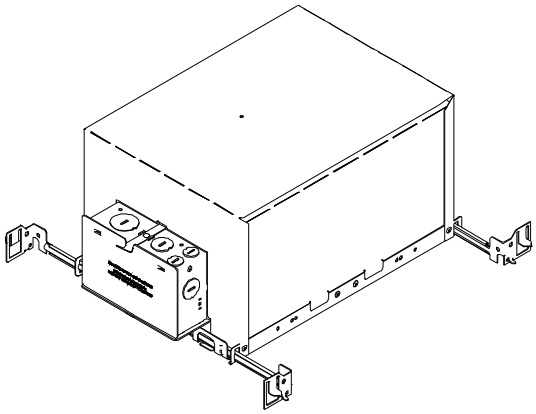
alphabet

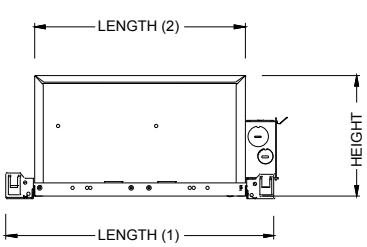
| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

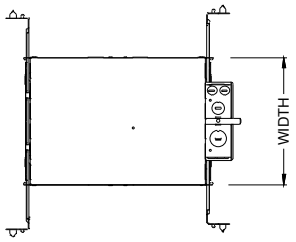
## MOUNTING OPTIONS

### IC - INSULATION CONTACT | ICAT - INSULATION CONTACT / AIR TIGHT | CP - CHICAGO PLENUM
(DIM10Z / DALIZ-DT6 / DALIZ-DT8)





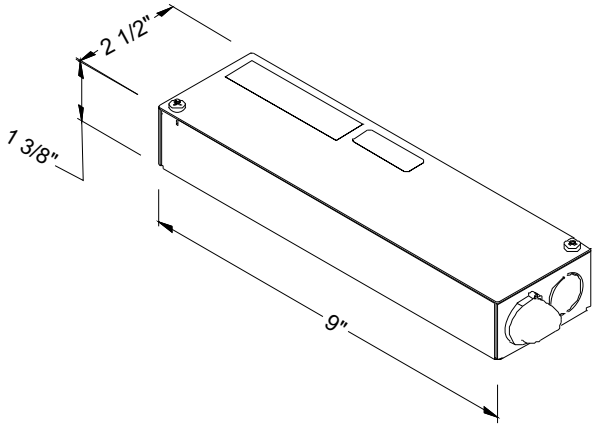



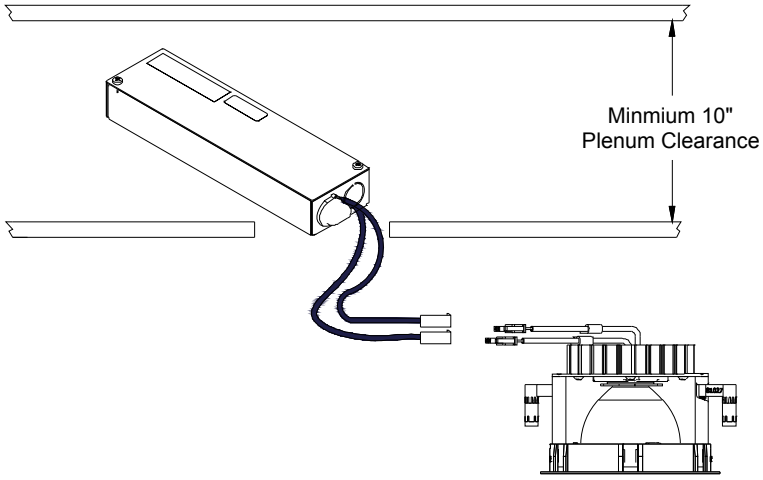

| BOX SIZE | L 1 | L 2 | W | H |
|---|---|---|---|---|
| A | 11-3/4" | 8-1/2" | 6-3/4" | 6-3/4" |

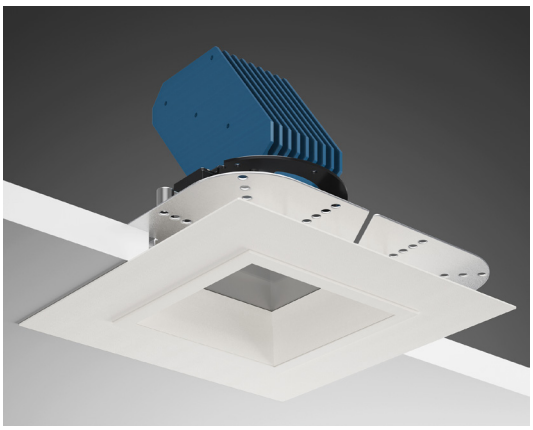
| BOX TYPE / LUMEN OUTPUT - NARROW BEAM (8°-12°) | | | |
|---|---|---|---|
| LUMEN OUTPUT | BOX-A | | |
| | CP | IC | ICAT |
| 10LM | ✔ | ✔ | ✔ |

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## RETRO OPTIONS



# NU4 SERIES - Goof Ring, Square

| PRODUCT | SQUARE CEILING HOLE CUTOUT RANGE[1] | GOOF RING SIZE | ORDERING CODE |
|---|---|---|---|
| NU4-QD<br>NU4-QW | 4.38" to 4.88" | AF = 7.0" x 7.0" | GF-4Q-1-XX[2] |
| NU4-QD<br>NU4-QA<br>NU4-QW | 4.89" to 5.5" | AF = 7.0" x 7.0" | GF-4Q-2-XX[3] |
| | 5.51" to 6.0" | AF = 7.0" x 7.0" | GF-4Q-3-XX[3] |
| | 6.01" to 6.5" | AF = 8.0" x 8.0" | GF-4Q-4-XX[3] |
| | 6.51" to 7.0" | AF = 8.0" x 8.0" | GF-4Q-5-XX[3] |

1. Choose the appropriate range only if your ceiling cutout measurement falls within that range.
   **Example:** - If your ceiling cutout is 5.75" inches, choose the range 5.51" to 6.0".
   - If your ceiling cutout is 6.5" inches, choose the range 6.01" to 6.5".
2. Upper goof ring not included.
3. Upper goof ring included.

*XX - Indicates finish color. Only available in WH or BK. Complete ordering code by adding WH or BK to ordering code.
**Example:** GF-4R-1-WH
*Accommodates max ceiling thickness up to 1 1/4".



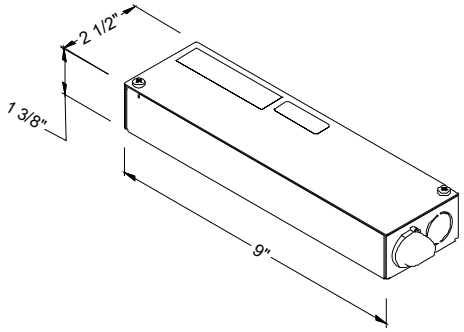
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

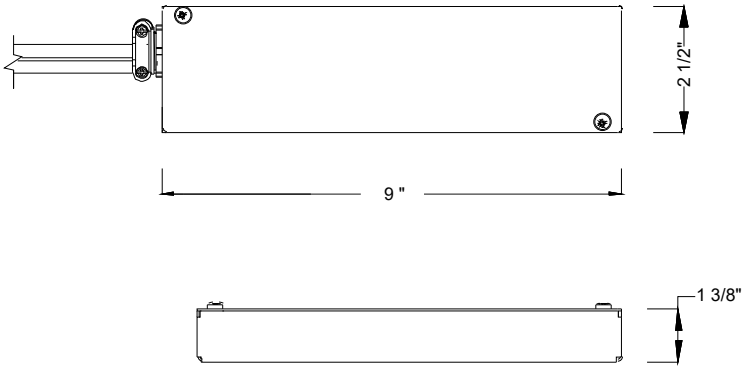
| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## REMOTE COMPACT DRIVER

### REMOTE COMPACT DRIVER (DIMMING)

| DX ORDERING OPTIONS | |
|---|---|
| **DIM10Z-DX** | remote compact eldoLED flicker free 0-10V dim 0.1% driver |
| **DALIZ-DT6-DX** | remote compact eldoLED flicker free DALI-2, DT6, dim to 0.1% driver |
| **DALIZ-DT8-DX** | remote compact eldoLED flicker free DALI-2, DT8, dim to 0.1% driver |
| **DMX-RJ45-DX** | remote compact DMX-512/RDM dim to 0% with RJ45 input driver |

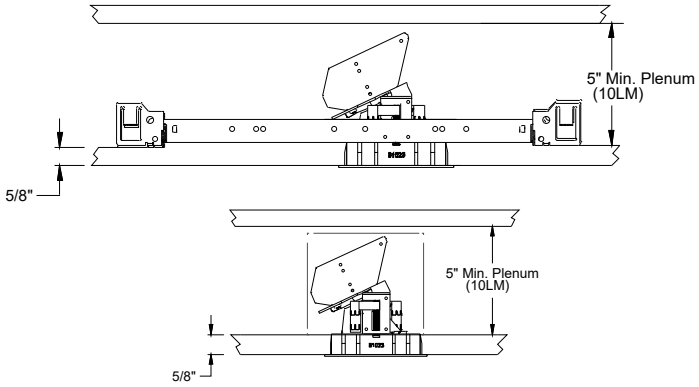



*Remote DX can power LEDs up to 330FT (18 AWG).
Customer will recieve a single remote compact driver per fixture.

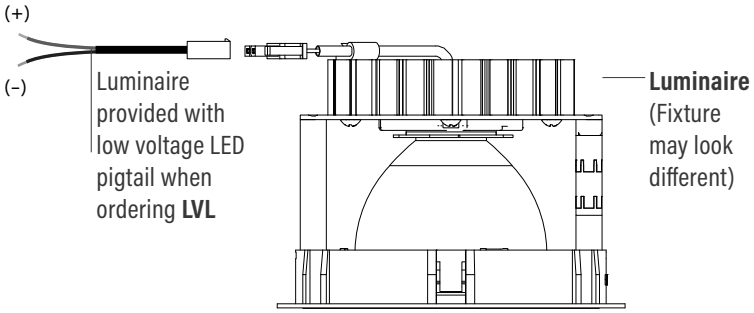
## PLENUM HEIGHT

### (NC-LVL-DX) NEW CONSTRUCTION REMOTE DX DRIVER




## NOMINAL LED VOLTAGE: 36VDC

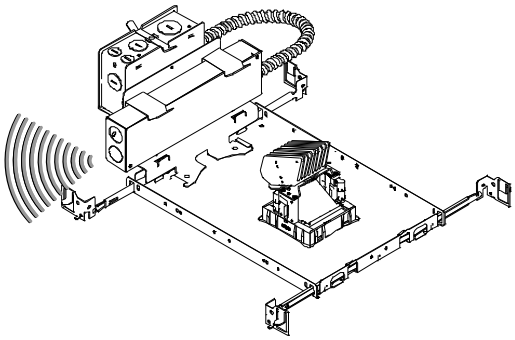
*Customer to order CC Remote Driver separately or POE Node by others.*



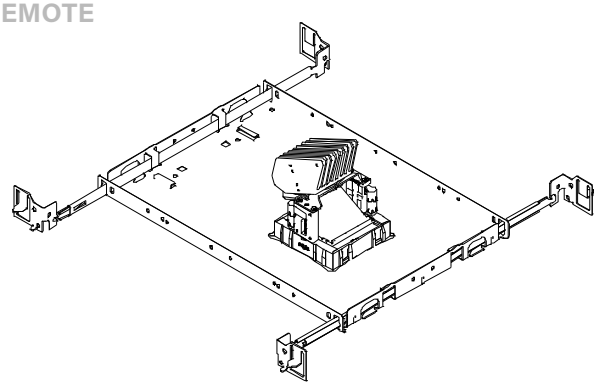
| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## WIRELESS OPTIONS

### NC - NEW CONSTRUCTION (10LM)
PLENUM SIDE



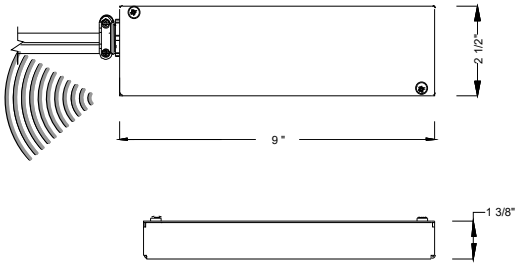
### NC - NEW CONSTRUCTION (10LM)
DX REMOTE



***Customer must verify system design and installation with their controls provider (e.g., Lutron).*** Wireless signal strength, reliability, performance, and commissioning are the responsibility of the customer. Remote DX can power LEDs up to 330FT (18 AWG), but adequate wireless signal is customers responsibility.

| YOUR COMPLETED ORDERING CODE |
|---|
| |
| Follow the steps to specify your fixture, example: |
| **NU3 -QW - TW - 10LM - 2765 - 95 - WW - WH - WH - NC - UNV - DIM10Z- AWND** |
| **NU3 -QW - TW - 10LM - 2765 - 95 - WW - WH - WH - NC - LVL - DIM10Z - AWND - DX** |

### RET - RETRO 10LM
PLENUM SIDE




LUTRON Athena

**ORDERING CODE**

**AWND**.....athena wireless node (DALI2 Driver) - integrated / above ceiling

**AWND-DX**..athena wireless node (DALI2 Driver) - remote DX Compact Driver



**MODEL NUMBER**

athena node model #: A-WN-D01-RF

**POWER SUPPLY**

(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off

legrand WATTSTOPPER® PLUS

**ORDERING CODE**

**CLMD** .....connected lighting module (DALI2 Driver) - integrated / above ceiling

**CLMD-DX**...connected lighting module (DALI2 Driver) - remote DX Compact Driver



**MODEL NUMBER**

CLM model #: ZBHA-CLM-DIM

**POWER SUPPLY**

(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off