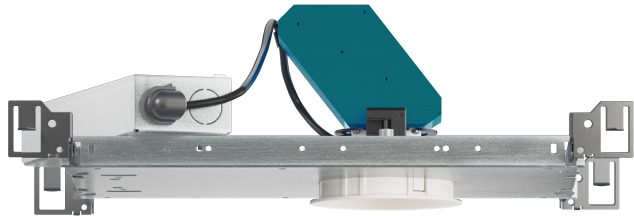
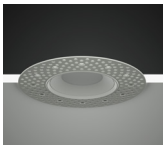


NU3

3" Round Downlight Standard White



Trim



Trimless



Trimless Millwork

FEATURES

- 3/4" bezel regress with 1/16" micro flange
- 15° to 55° optical beam control
- UGR <17
- Up to 100 LPW
- Glare control, specialty optics, trim options, and custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs

DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- Lutron Hi-lume 0.1% Ecosystem
- Lutron athena wireless node
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi dimming to 1.0%
- NLight control interface dimming to 0%

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

CONSTRUCTION

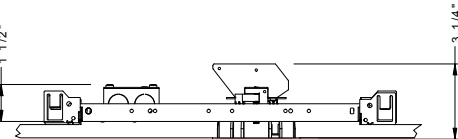
- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-3/8"

ELECTRICAL

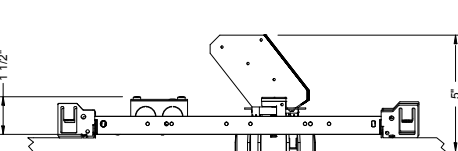
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

LED LIGHT ENGINE: 10LM - 30LM



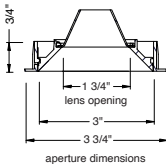
LED LIGHT ENGINE: 35LM - 40LM



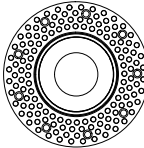
TRIMMED



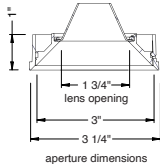
ceiling cutout
3-3/8" diameter
ceiling thickness
1/8" to 1-1/4"



TRIMLESS



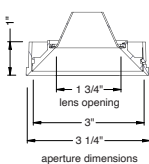
ceiling cutout
3-1/2" diameter
ceiling thickness
3/8" to 1-3/8"



MILLWORK



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



alphabet

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

| 15°- 55° BEAM ORDERING CODE | | | | | | | | | | | | |
|--|---|--|---------------------------------|--|-------|------|-------|------|-------|------|-------|------|
| SERIES | NU3 | NU3 | | | | | | | | | | |
| TYPE | RD | round downlight | | | | | | | | | | |
| | RDT | round downlight trimless | | | | | | | | | | |
| | RDTMW | round downlight trimless millwork | | | | | | | | | | |
| LED | SW | standard white | | | | | | | | | | |
| DELIVERED LUMENS | 10LM | 880 lm | | | | | | | | | | |
| | 15LM | 1290 lm | | | | | | | | | | |
| | 20LM | 1700 lm | | | | | | | | | | |
| | 25LM | 2120 lm | | | | | | | | | | |
| | 30LM | 2540 lm | | | | | | | | | | |
| | 35LM ¹ | 2890 lm | | | | | | | | | | |
| | 40LM ¹ | 3300 lm | | | | | | | | | | |
| | Standard Configuration: 3000K 80CRI NL Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier] | | | | | | | | | | | |
| CCT | 27K | 2700K | CCT | | 2700K | | 3000K | | 3500K | | 4000K | |
| | 30K | 3000K | CRI | | 80+ | 90+ | 80+ | 90+ | 80+ | 90+ | 80+ | 90+ |
| | 35K | 3500K | CCT MULTIPLIER FOR LUMEN OUTPUT | | 0.96 | 0.81 | 1.00 | 0.85 | 1.03 | 0.88 | 1.06 | 0.91 |
| | 40K | 4000K | | | | | | | | | | |
| CRI | 80 | 80 CRI | | | | | | | | | | |
| | 90 | 90 CRI | | | | | | | | | | |
| OPTIC & LM MULTIPLIER SEE PAGE 4 | 15D ² | 15 degrees (0.98) | | | | | | | | | | |
| | 20D | 20 degrees (1.00) | | | | | | | | | | |
| | 25D | 25 degrees (0.99) | | | | | | | | | | |
| | 40D | 40 degrees (0.99) | | | | | | | | | | |
| | 55D | 55 degrees (0.97) | | | | | | | | | | |
| ACCESSORY | HCL ³ | honeycomb louver (0.95) | | | | | | | | | | |
| | Attached to bezel | | | | | | | | | | | |
| BEZEL LENS SEE PAGE 3 | NL ⁴ | no lens (1.00) | | | | | | | | | | |
| | CL | clear lens (0.97) | | | | | | | | | | |
| | DL | diffused lens (0.85) | | | | | | | | | | |
| | HET | high efficiency textured lens, similar to Solite™ (0.96) | | | | | | | | | | |
| | SBL | smoothing beam lens (0.96) | | | | | | | | | | |
| | E | elliptical beam spread (0.96) | | | | | | | | | | |
| TRIM COLOR SEE PAGE 3 | BK | black | | | | | | | | | | |
| | WH | white | | | | | | | | | | |
| | MC | matte chrome | | | | | | | | | | |
| | BZ | bronze | | | | | | | | | | |
| | WT | wheat | | | | | | | | | | |
| | CC ⁵ | 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 SEE PAGE 3 | BK | black (0.98) | | | | | | | | | | |
| | WH | white (1.00) | | | | | | | | | | |
| | MC | matte chrome (0.99) | | | | | | | | | | |
| | BZ | bronze (0.98) | | | | | | | | | | |
| | WT | wheat (0.99) | | | | | | | | | | |
| | CC ⁵ | custom color, consult factory for details | | | | | | | | | | |
| Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM. | | | | | | | | | | | | |

| 15°- 55° BEAM ORDERING CODE | | |
|-----------------------------------|---------------------|---|
| MOUNTING OPTIONS SEE PAGE 6, 7 | NC | new construction with ceiling fitting plate |
| | IC ⁶ | insulation contact housing |
| | ICAT ⁶ | insulation contact/airtight housing |
| | CP ⁶ | chicago plenum housing |
| | RET | retrofit, no ceiling fitting plate |
| VOLTAGE | I20 | 120V |
| | UNV | 120V-277V |
| DIMMING | DIM10 | eldoLED flicker free 0-10V dimming to 1% |
| | DIM10Z ⁷ | eldoLED flicker free 0-10V dimming to 0% |
| | DALI | eldoLED flicker free DALI-2 dimming to 1% |
| | DALIZ ⁷ | eldoLED flicker free DALI-2 dimming to 0% |
| | LUTP ⁸ | Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black |
| | ELV1 ⁹ | leading & trailing edge (Triac/ELV) dimming to 1% |
| | NLT ¹⁰ | nLight control interface: standard Cat-5/RJ45 connection (female), dim to off |
| | CAS | Casambi control with flicker free 1% dimming |
| ELECTRICAL OPTIONS | AWNR ¹¹ | lutron athena wireless node |
| | EM7 | emergency battery backup, 90 minutes at 7W to LED |
| | EM12 | emergency battery backup, 90 minutes at 12W to LED |
| | EM10CA20 | remote emergency battery backup, 90 minutes at 10W to LED, CA title 20 |

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

| YOUR COMPLETED ORDERING CODE | |
|---|--|
| | |
| Follow the steps to specify your fixture, example: | |
| NU3 - RD - SW - 20LM - 30K - 90 - 20D - NL - WH - WH - NC - UNV - DIM10 - EM7 | |

NOTES

- 35LM/40LM available in ELV1/DIM10 dimming.
- 15D available in 10LM/15LM.
- HCL not available with lens.
- NL option does not meet requirement for AT/DF/WET/NSF listings. Lensing cannot be added in the field.
- Custom set up fee plus minimum quantity required per color.
- IC/ICAT/CP not available in 35LM/40LM.
- 35LM/40LM not available.
- LUTP not available in 25LM/30LM/35LM/40LM.
- ELV1 (120V input) not available in 10LM.
- For servicing access above ceiling is required.
- AWNR reference page 9 for product specifications on Athena wireless node.

*EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

alphabet

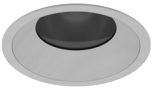
| PROJECT INFORMATION | | | |
|---------------------|--|------|--|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

TRIM OPTIONS

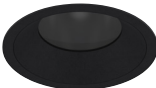
TRIM/BEZEL COLORS



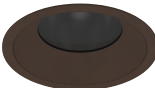
WH



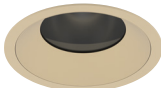
MC



BK



BZ



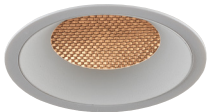
WT

OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures, unless otherwise noted.

REFLECTOR OPTIC ACCESSORY

Honeycomb Louver



| OPTIC | BEAM ANGLE | UGR |
|-------|------------|-----|
| 15D | 12 | ≤5 |
| 20D | 16 | ≤5 |
| 25D | 20 | ≤5 |
| 40D | 32 | ≤5 |
| 55D | 44 | ≤5 |

NL

No Lens



| OPTIC | BEAM ANGLE | UGR |
|-------|------------|------|
| 15D | 14.4 | 17.2 |
| 20D | 21 | 16.6 |
| 25D | 25 | 16.8 |
| 40D | 39 | 17.7 |
| 55D | 55 | 18 |

CL

Clear Lens



| OPTIC | BEAM ANGLE | UGR |
|-------|------------|------|
| 15D | 14.4 | 17 |
| 20D | 22 | 16.8 |
| 25D | 25 | 16.9 |
| 40D | 39 | 17.7 |
| 55D | 56 | 18.2 |

DL

Diffused Lens



| OPTIC | BEAM ANGLE | UGR |
|-------|------------|------|
| 20D | 40 | 21.1 |
| 25D | 45 | 21.5 |
| 40D | 51.7 | 22.1 |
| 55D | 59 | 22.9 |

HET

High Efficiency Textured Lens



| OPTIC | BEAM ANGLE | UGR |
|-------|------------|------|
| 15D | 19.5 | 17.7 |
| 20D | 24.4 | 18 |
| 25D | 27 | 18.6 |
| 40D | 38.5 | 19.1 |
| 55D | 49.5 | 19.4 |

SBL

Smoothing Beam Lens



| OPTIC | BEAM ANGLE | UGR |
|-------|------------|------|
| 15D | 16 | 17.5 |
| 20D | 22 | 17.9 |
| 25D | 27 | 18.5 |
| 40D | 40 | 18.7 |
| 55D | 56 | 19.2 |

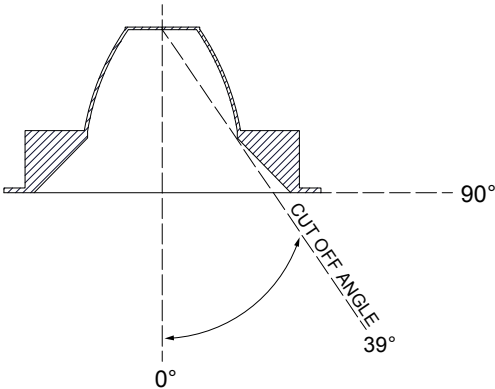
GLARE CONTROL

CUT-OFF ANGLE

Visual comfort is achieved with a lower cut-off angle due to improved glare control. The smaller the cut-off angle, the easier it is on the eye.

Alphabet downlights have been thoughtfully engineered to eliminate glare while still delivering functional illumination.

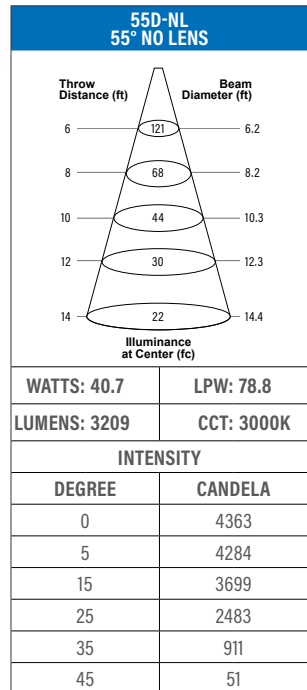
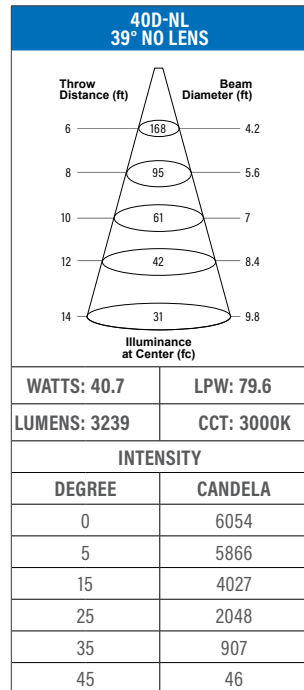
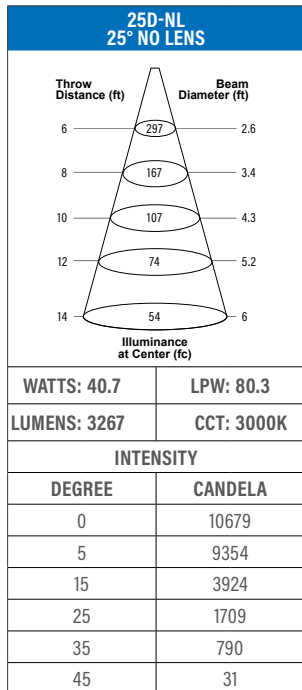
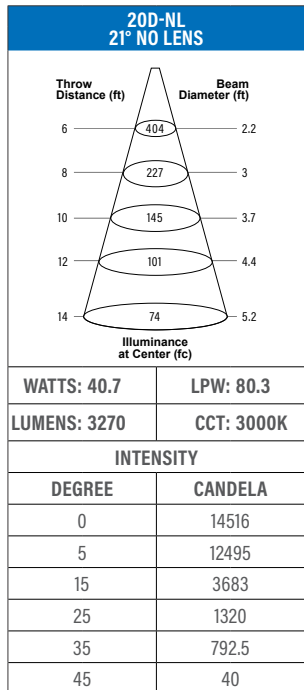
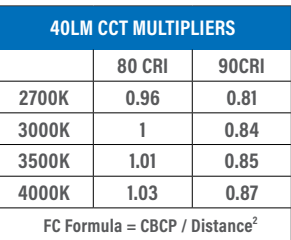
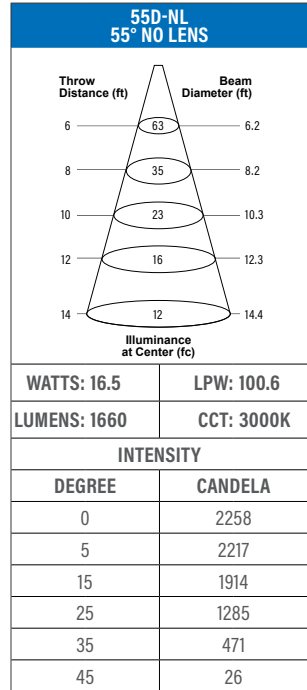
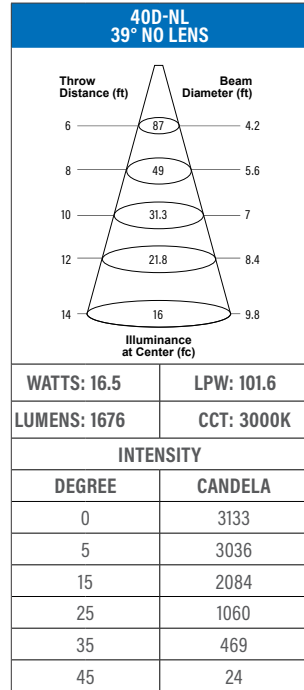
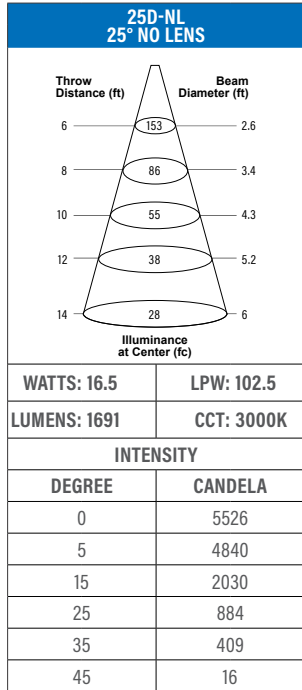
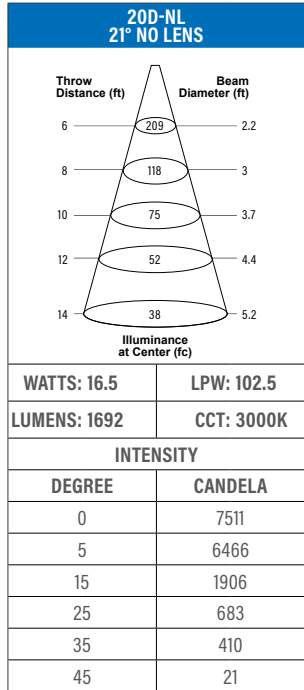
- Cutoff angle is 39° degrees;



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

| 20LM CCT MULTIPLIERS | | |
|----------------------|--------|-------|
| | 80 CRI | 90CRI |
| 2700K | 0.96 | 0.81 |
| 3000K | 1 | 0.84 |
| 3500K | 1.01 | 0.85 |
| 4000K | 1.03 | 0.87 |

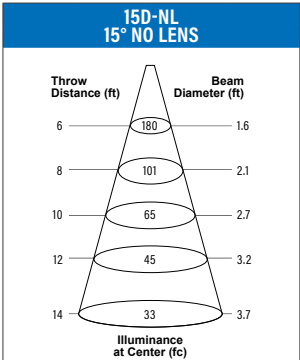
FC Formula = CBCP / Distance²



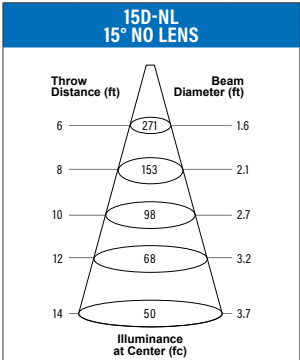
| PROJECT INFORMATION | | | |
|---------------------|--|------|--|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

PHOTOMETRIC DATA

| 10LM CCT MULTIPLIERS | | |
|---|--------|-------|
| | 80 CRI | 90CRI |
| 2700K | 0.96 | 0.81 |
| 3000K | 1 | 0.84 |
| 3500K | 1.01 | 0.85 |
| 4000K | 1.03 | 0.87 |
| FC Formula = CBCP / Distance ² | | |

| 15D-NL 15° NO LENS | |
|---|------------|
|  | |
| WATTS: 11.3 | LPW: 76.6 |
| LUMENS: 872 | CCT: 3000K |
| INTENSITY | |
| DEGREE | CANDELA |
| 0 | 6485 |
| 5 | 4581 |
| 15 | 630 |
| 25 | 321 |
| 35 | 248 |
| 45 | 3 |

| 15LM CCT MULTIPLIERS | | |
|---|--------|-------|
| | 80 CRI | 90CRI |
| 2700K | 0.96 | 0.81 |
| 3000K | 1 | 0.84 |
| 3500K | 1.01 | 0.85 |
| 4000K | 1.03 | 0.87 |
| FC Formula = CBCP / Distance ² | | |

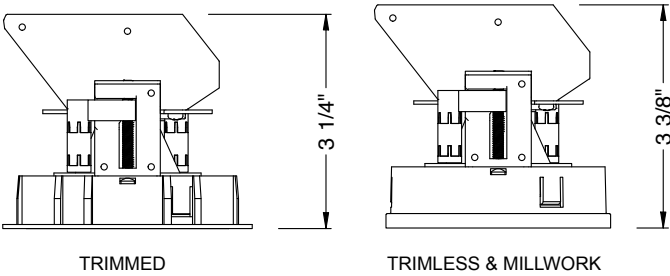
| 15D-NL 15° NO LENS | |
|---|------------|
|  | |
| WATTS: 20.2 | LPW: 64.5 |
| LUMENS: 1300 | CCT: 3000K |
| INTENSITY | |
| DEGREE | CANDELA |
| 0 | 9765 |
| 5 | 6898 |
| 15 | 949 |
| 25 | 484 |
| 35 | 373 |
| 45 | 4 |

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

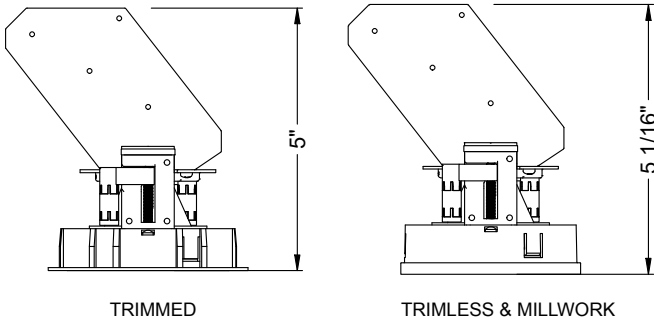
MOUNTING OPTIONS

FIXTURE HEIGHT

10LM - 30LM CONFIGURATION

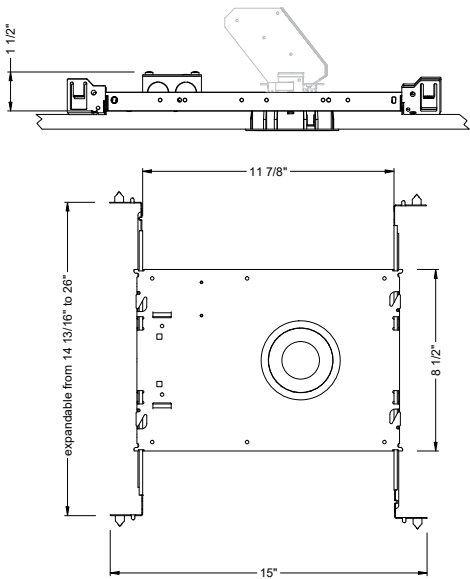


35LM - 40LM CONFIGURATION

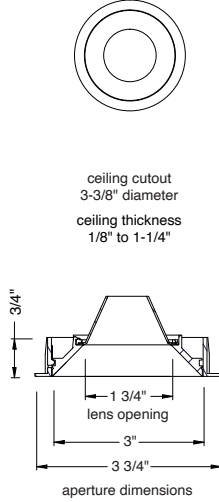


NC - NEW CONSTRUCTION

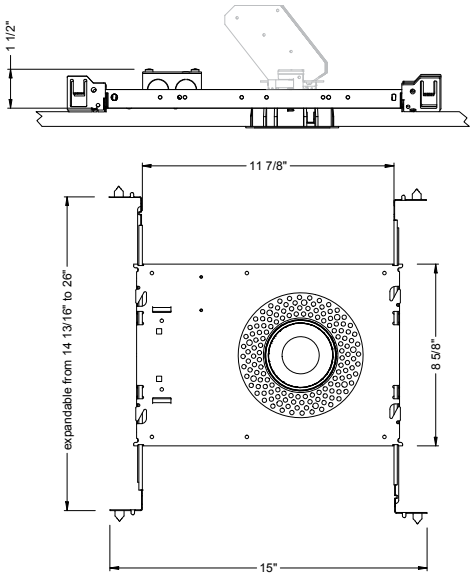
TRIM



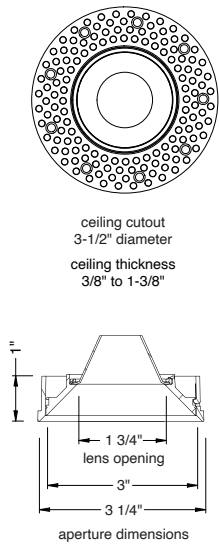
TRIM



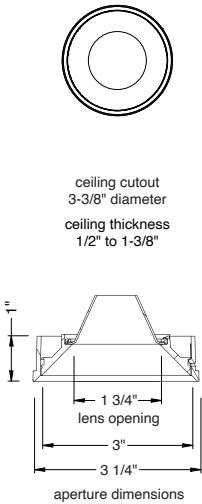
TRIMLESS



TRIMLESS



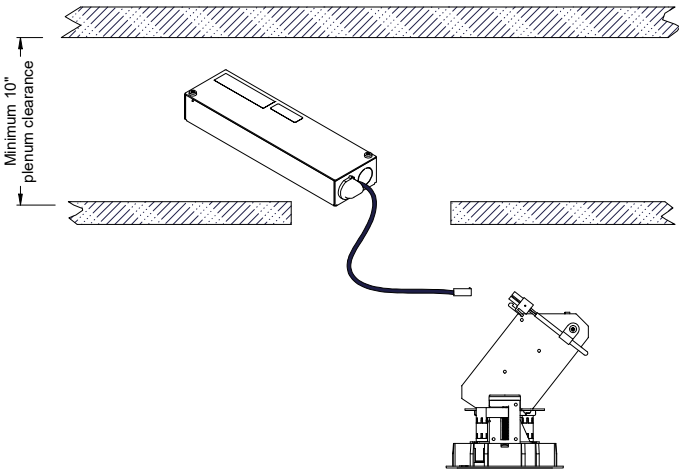
TRIMLESS/MILLWORK



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

MOUNTING OPTIONS (CONTINUED)

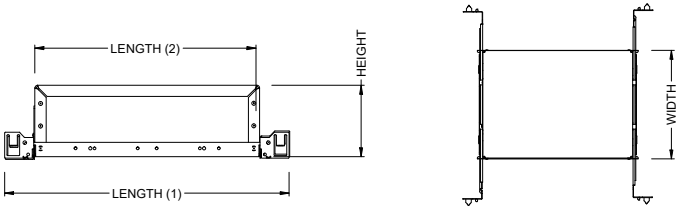
RET - RETRO
TRIM/TRIMLESS



| 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 | ✓ | ✓ | ✓ | ✓ | ✓ |

| CEILING THICKNESS | |
|---------------------|----------------------------|
| FIXTURE TYPE | MOUNTING TYPE |
| | NC, IC, ICAT, CP, RET |
| | STANDARD CEILING THICKNESS |
| TRIM | 1/8" to 1-1/4" |
| TRIMLESS | 3/8" to 1-3/8" |
| MILLWORK (TRIMLESS) | 1/2" to 1-3/8" |

IC - INSULATION CONTACT HOUSING
ICAT - INSULATION CONTACT / AIR TIGHT
CP - CHICAGO PLENUM



| BOX SIZE | L 1 | L 2 | W | H |
|----------|------------|-----------|----------|----------|
| A | 15 - 7/16" | 11 - 3/4" | 8 - 1/2" | 6 - 3/4" |

| BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (20° - 60°) | | | |
|--|---------|------|----|
| LUMEN OUTPUT | BOX - A | | |
| | IC | ICAT | CP |
| 10LM | ✓ | ✓ | ✓ |
| 15LM | ✓ | ✓ | ✓ |
| 20LM | ✓ | ✓ | ✓ |
| 25LM | ✓ | ✓ | ✓ |
| 30LM | | | |
| 35LM | | | |
| 40LM | | | |

| BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (15°) | | | |
|--|---------|------|----|
| LUMEN OUTPUT | BOX - A | | |
| | IC | ICAT | CP |
| 10LM | ✓ | ✓ | ✓ |
| 15LM | ✓ | ✓ | ✓ |

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

BATTERY OPTIONS

EMERGENCY BATTERY

IOTA's ILB Battery Backups are UL Listed LED emergency drivers that allow the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can. The Constant Power design of the ILB maintains the output wattage to the LED array even as the system voltage diminishes. UL 924 Listed for U.S. and Canada. UL 1310 Certified, Output Class 2 Compliant. Includes single-piece TBTS test switch and charge indicator accessory kit. For use with switched and unswitched fixtures, and includes Two-wire universal AC input. Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements. Rated for use in Plenum, Damp Location, Recessed Type IC, and Enclosed and Gasketed Luminares.

REMOTE TEST SWITCH

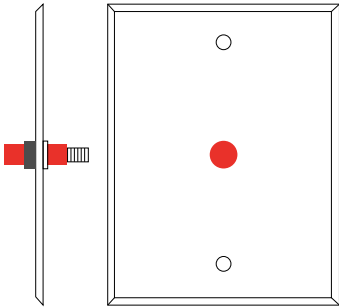
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

REMOTE LOCATION

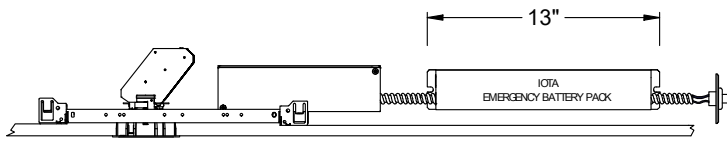
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



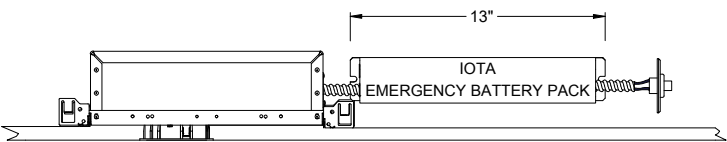
Remote Test Switch

| EM MODE OUTPUT (DELIVERED LUMENS) | | | |
|-----------------------------------|-------|-------|--------|
| LUMEN ORDERING CODE | EM7 | EM10 | EM12 |
| ALL OPTIONS (10LM TO 30LM) | 684LM | 992LM | 1190LM |
| Notes: Based on 30K, 80CRI | | | |

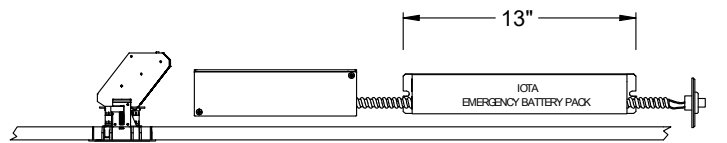
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



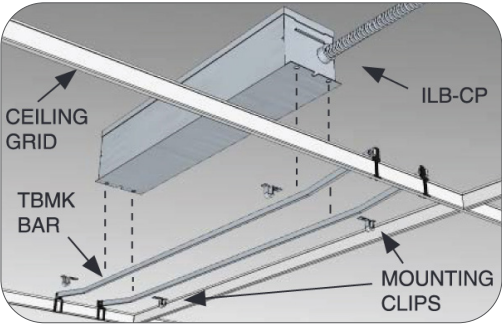
IC / ICAT / CP - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory
76066 Optional T-Grid Mounting Kit¹



1. Can be used with any of the Emergency Battery Backups. Must be ordered as a separate line item.

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

AWNRR OPTIONS

Athena Wireless Node

The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.



Athena Wireless Node RF

AWNRR

Plenum rated and can be installed above the ceiling for wireless control of a fixture without any impact on fixture aesthetics.

FEATURES

- Enables individual, wireless control of each fixture in an Athena control system. Accommodates zone and control changes without rewiring.
- Installed at factory – no wiring required on-site. Fixture is ready to communicate wirelessly once power is connected.
- All drivers on the link are controlled as a single zone.

REGULATORY APPROVALS

- cULus Listed (UL916)
- Complies with requirements for use in other spaces used for environmental air (plenums) per NEC® 2014 300.22(C)(3).
- FCC compliant with the limits for a Class B digital device.
- IC (Industry Canada)
- ANSI C137.1 0-10 V- Electronic Off

POWER / LOAD

- IEC SELV/NEC® Class 2
- 1 Watt

ENVIRONMENTAL

- Ambient operating temperature (immediate vicinity of Athena wireless node): **32 °F to 131 °F** (0 °C to 55 °C), 0% to 90% humidity.

BATTERY OPTIONS

- For EM options please consult factory.

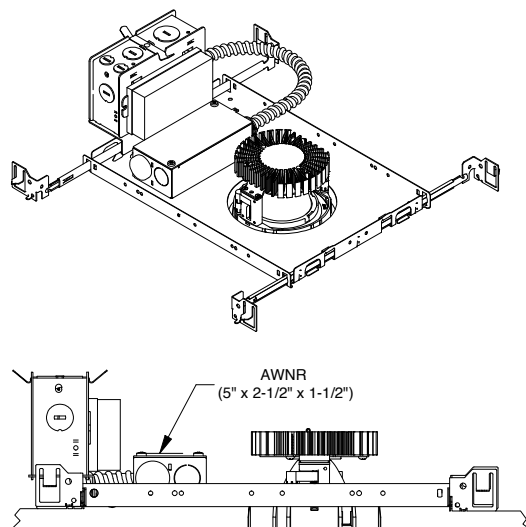
Note: Default behavior prior to programming

- Light level 100%
- Athena wireless node performs an unprogrammed startup sequence on every power up until the device is added to an Athena system.
- Each Athena wireless node should be installed within 25 ft (7.62 m) of two or more Athena wireless nodes or other Clear Connect – Type X devices.
- For Chicago plenum installations, the Athena wireless node may not be installed in the plenum space. It must be installed in the occupied space.

For servicing the driver/j-box, access above ceiling is required. (NC Mounting)

IC/ICAT/CP not available in AWNRR.

NC - NEW CONSTRUCTION



RET - RETRO FIT

