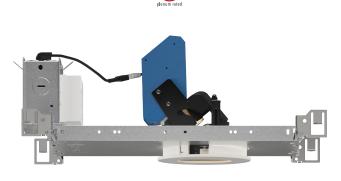
# NU2

# **Round Adjustable Pinhole Standard White**





#### FEATURES

- True 40° Tilt with <10% beam disruption (clipping)</li>
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 9° 50° optical beam control
- UGR <5
- Multiple mounting, glare control options and finishes available

#### LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance:  $L_{\rm 70}$  > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance:  $L_{\rm 70}$  > 66,000 hrs

#### **DIMMING AND CONTROLS**

- eldoLED flicker free 0-10V dimming to 0% and 1%
- $\hfill \ensuremath{\bullet}$  eldoLED flicker free DALI dimming to 0% and 1%
- DMX dim to zero
- $\scriptstyle \bullet$  Lutron Hi-lumen 2-Wire (Triac and Eco System) dimming to 0.1% and 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 0.1%
- NLight control interface dimming to 0%

#### LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- Suitable for damp locations

TRIMMED

- Made in the USA meets the requirements of the Buy American provision within the ARRA
- 5 Year Limited warranty

#### 

|   | ations are subject to change with |                   |
|---|-----------------------------------|-------------------|
| 9mm   | COB PERFORMANCE DA                | TA                |
| LED LIGHT<br>ENGINE   | NOMINAL DELIVERED<br>Lumens       | SYSTEM<br>WATTAGE |
| 10LM  | 800LM @30K/80CRI                  | 9W                |
| 15LM  | 1150LM @30K/80CRI                 | 13W               |
| 20LM  | 1490LM @30K/80CRI                 | 17W               |
| 25LM  | 1800LM @30K/80CRI                 | 22W               |
| 30LM  | 2150LM @30K/80CRI                 | 27W               |
| 35LM  | 2560LM @30K/80CRI                 | 34W               |
| 40LM  | 2800LM @30K/80CRI                 | 40W               |
| 10LM  | 680LM @30K/90CRI                  | 9W                |
| 15LM  | 980LM @30K/90CRI                  | 13W               |
| 20LM  | 1200LM @30K/90CRI                 | 17W               |
| 25LM  | 1460LM @30K/90CRI                 | 22W               |
| 30LM  | 1730LM @30K/90CRI                 | 27W               |
| 35LM  | 2050LM @30K/90CRI                 | 34W               |
| 40LM  | 2310LM @30K/90CRI                 | 40W               |
| Notes Delivered lumens based on 35D optic with no accessory, (see page 2) |                                   |                   |

eldoLED

LIGHT

| 15° BEAM<br>(Note: Specifications are subject to change without notice)         |                      |      |  |  |
|---|----------------------|------|--|--|
| 6m  | nm COB PERFORMANCE I | DATA |  |  |
| LED LIGHT NOMINAL DELIVERED SYSTEM<br>ENGINE LUMENS WATTAGE                     |                      |      |  |  |
| 10LM  | 850LM @30K/80CRI     | 11W  |  |  |
| 15LM  | 1200LM @30K/80CRI    | 19W  |  |  |
| 20LM  | 1490LM @30K/80CRI    | 31W  |  |  |
| 10LM  | 720LM @30K/90CRI     | 11W  |  |  |
| 15LM  | 1020LM @30K/90CRI    | 19W  |  |  |
| 20LM  | 1270LM @30K/90CRI    | 31W  |  |  |
| Notes Delivered lumens based on 15D<br>optic with no accessory, (see<br>page 2) |                      |      |  |  |

| 9° BEAM<br>(Note: Specifications are subject to change without notice) |                             |                   |  |
|--|-----------------------------|-------------------|--|
| 4.5  | mm COB PERFORMANC           | E DATA            |  |
| LED LIGHT<br>Engine  | NOMINAL DELIVERED<br>LUMENS | SYSTEM<br>WATTAGE |  |
| 10LM   | 540LM @30K/80CRI            | 17.5W             |  |
| 10LM   | 460LM @30K/90CRI            | 17.5W             |  |
| Notes Delivered lumens based on 9D optic with SBL lens, (see page 2)   |                             |                   |  |

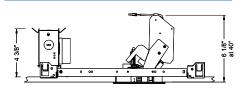
#### CONSTRUCTION

CASAMBI

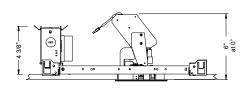
- Lexan Optimized for wireless signal controls
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 0.4" to 2.0"
- Fixture is pre-set and shipped at 20deg tilt

#### ELECTRICAL

- 120V only Triac/ELV, 120V-277V
- Power factory ≥ 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** 



#### Alphabet by Ledra Brands, Inc. 88 Maxwell Irvine, CA 92618 PH: 714.259.9959 FAX: 714.259.9969 AlphabetLighting.com

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| PROJECT INFOR | MATION |      |  |
|---------------|--------|------|--|
| JOB NAME      |        | ТҮРЕ |  |
| ORDERING CODE |        |      |  |

| 9°- 50° BEAM ORDERING CODE |                  |            |   |       |        |         |       |         |        |        |       |
|----------------------------|------------------|------------|---|-------|--------|---------|-------|---------|--------|--------|-------|
| SERIES                     | NU2              | NU2        |   |       |        |         |       |         |        |        |       |
| ТҮРЕ                       | RAPH             | round ad   | round adjustable, pinhole                               |       |        |         |       |         |        |        |       |
| LED                        | SW               | standard   | white   |       |        |         |       |         |        |        |       |
|                            | 10LM             | 800 lm     |   |       |        |         |       |         |        |        |       |
|                            | 15LM             | 1150 lm    |   |       |        |         |       |         |        |        |       |
|                            | 20LM             | 1490 lm    |   |       |        |         |       |         |        |        |       |
|                            | 25LM             | 1800 lm    | 1800 lm   |       |        |         |       |         |        |        |       |
| DELIVERED<br>LUMENS        | 30LM             | 2150 lm    |   |       |        |         |       |         |        |        |       |
| LUMILING                   | 35LM             | 2560 lm    |   |       |        |         |       |         |        |        |       |
|                            | 40LM             | 2800 lm    |   |       |        |         |       |         |        |        |       |
|                            | Calculated D     | 0          | 3000K 80CRI 35D N<br>n <b>ens =</b> [Delivered  <br>er] |       | n Valı | ie] x [ | CCT N | lultipl | ier] x | [Opti  | c     |
|                            | 27K              | 2700K      | CCT   | 270   | 00K    | 30      | 00K   | 350     | )0K    | 400    | ок    |
| ССТ                        | 30K              | 3000K      | CRI   | 80+   | 90+    | 80+     | 90+   | 80+     | 90+    | 80+    | 90+   |
| UUI                        | 35K              | 3500K      | CCT MULTIPLIER FOR<br>LUMEN OUTPUT                      | 0.96  | 0.81   | 1.00    | 0.85  | 1.03    | 0.88   | 1.06   | 0.91  |
|                            | 40K              | 4000K      | Lonich oon on   |       |        |         |       |         |        |        |       |
| CRI                        | 80               | 80 CRI     |   |       |        |         |       |         |        |        |       |
| Chi                        | 90               | 90 CRI     |   |       |        |         |       |         |        |        |       |
|                            | 9D <sup>1</sup>  | 9 degree   | S   |       |        |         |       |         |        | (0.    | 68)   |
|                            | 15D <sup>2</sup> | 15 degrees |   |       |        |         |       | (1.05)  |        |        |       |
| OPTIC &<br>LM MULTIPLIER   | 20D              | 20 degrees |   |       |        |         |       | (0.87)  |        |        |       |
| SEE PAGE 3                 | 25D              | 25 degre   | es  |       |        |         |       |         |        | (0.94) |       |
|                            | 35D              | 35 degre   | es  |       |        |         |       |         |        | (1.00) |       |
|                            | 50D              | 50 degre   | es  |       |        |         |       |         |        | (0.    | 95)   |
|                            | NA               | no acces   | sory  |       |        |         |       |         |        | (1.    | ) (00 |
|                            | HCL              | honeycor   | mb louver   |       |        |         |       |         |        | (0.    | 75)   |
| TIR OPTIC<br>ACCESSORY     | DL               | diffused l | ens   |       |        |         |       |         |        | (0.    | 79)   |
| SEE PAGE 3                 | HET              | high effic | iency textured  | llen  | s, sir | nilar   | to S  | olite   | тм     | (0.    | 90)   |
|                            | SBL              | smoothin   | ig beam lens  |       |        |         |       |         |        | (1.    | )(00  |
|                            |                  |            | replaceable (maxi                                       |       |        | dia)    |       |         |        |        |       |
| TRIM<br>COLOR              | BK               |            | th black optica   |       | ,      |         |       |         |        |        |       |
| SEE PAGE 3                 | WH               | white, wi  | th black optica   | al ca | vity   |         |       |         |        |        |       |

|                       | 9°- :                  | 50° BEAM ORDERING CODE  |
|-----------------------|------------------------|---|
|                       | NC                     | new construction with ceiling fitting plate                                   |
| MOUNTING              | IC <sup>3</sup>        | insulation contact housing  |
| OPTIONS               | ICAT <sup>3</sup>      | insulation contact/airtight housing   |
| SEE PAGE 6, 7         | <b>CP</b> <sup>3</sup> | chicago plenum housing  |
|                       | RET                    | retrofit, no ceiling fitting plate  |
| VOLTAGE               | 120                    | 120V  |
| VOLIAGE               | UNV                    | 120V-277V   |
|                       | DIM10                  | eldoLED flicker free 0-10V dimming to 1%                                      |
|                       | DIM10Z                 | eldoLED flicker free 0-10V dimming to 0%                                      |
|                       | DALI                   | eldoLED flicker free DALI dimming to 1%                                       |
|                       | DALIZ                  | eldoLED flicker free DALI dimming to 0%                                       |
|                       | DMXZ                   | DMX dim to zero   |
|                       | LTE <sup>4</sup>       | Lutron Hi-lume 2-Wire (Triac) dimming to 1%                                   |
| DIMMING               | LUT                    | Lutron Hi-lume Ecosystem dimming to 1%,<br>Soft-on & Fade-to-Black            |
|                       | LUTP⁵                  | Lutron Hi-lume Premier Ecosystem dimming to 0.1%,<br>Soft-on & Fade-to-Black  |
|                       | ELV1 <sup>6</sup>      | leading & trailing edge (Triac/ELV) dimming to 1%                             |
|                       | NLT                    | nLight control interface: standard Cat-5/RJ45 connection (female), dim to off |
|                       | CAS                    | Casambi Bluetooth control with flicker free 0.1% dimming                      |
|                       | EM7                    | emergency battery backup, 90 minutes at 7W to LED                             |
| ELECTRICAL            | EM12                   | emergency battery backup, 90 minutes at 12W to LED                            |
| OPTIONS               | EM10CA20               | remote emergency battery backup, 90 minutes at 10W to LED, CA title 20        |
| SPECIAL<br>SEE PAGE 6 | TC                     | thick ceiling application   |
| SEE PAGE 0            |                        |   |

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

### YOUR COMPLETED ORDERING CODE

| Follow the steps to specify your fixture, example:                               |
|--|
| NU2 - RAPH - SW - 20LM - 35K - 90 - 35D - HCL - WH - NC - UNV - DIM10 - EM7 - TC |

#### NOTES\*

- 1. 9D available in 10LM. Only available with SBL lens.
- 2. 15D available in 10LM/15LM/20LM.
- 3. IC/ICAT/CP not available with 9D/10LM, 15D/20LM or 30LM/35LM/40LM.
- 4. LTE (120V input) not available in 10LM with 20D/25D/30D/50D optics.
- 5. LUTP not available with 15D/20LM or 25LM/30LM/35LM/40LM.
- 6. ELV1 (120V input) not available in 10LM with 20D/25D/35D/55D optics.

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

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| PROJECT INFOR | MATION |      |  |
|---------------|--------|------|--|
| JOB NAME      |        | ТҮРЕ |  |
| ORDERING CODE |        |      |  |

### **TRIM OPTIONS**

### **TRIM/BEZEL COLORS**



## **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.

| TIR OPTIC ACCESSORY |  |
|---------------------|--|
| Honeycomb Louver    |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |

| OPTIC | BEAM ANGLE | UGR |
|-------|------------|-----|
| 15D   | 13.3       | ≤5  |
| 20D   | D 17.8     |     |
| 25D   | 22.1       | ≤5  |
| 35D   | 28.7       | ≤5  |
| 50D   | 43.9       | 9.8 |



| Y | OPTIC | BEAM ANGLE | UGR  |
|---|-------|------------|------|
|   | 15D   | 18.8       | ≤5   |
|   | 20D   | 22.2       | ≤5   |
|   | 25D   | 26.8       | 5.1  |
|   | 35D   | 32.5       | 7.4  |
|   | 50D   | 48.6       | 13.8 |

UGR

5.7



| OPTIC | BEAM ANGLE | UGR  |
|-------|------------|------|
| 15D   | 33.1       | 9.9  |
| 20D   | 32.5       | 7.2  |
| 25D   | 36.4       | 11.7 |
| 35D   | 40.3       | 13   |
| 50D   | 50.8       | 16.1 |



| OPTIC | BEAM ANGLE | UGR  |
|-------|------------|------|
| 15D   | 13.6       | ≤5   |
| 20D   | 18.3       | ≤5   |
| 25D   | 25.1       | ≤5   |
| 35D   | 31.7       | ≤5   |
| 50D   | 49.7       | 14.3 |

# TIR OPTIC ACCESSORY SBL 9D 9.1

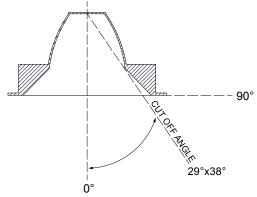
### **GLARE CONTROL**

#### **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 of NA is 29°x38°;



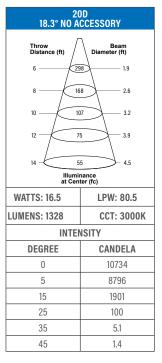
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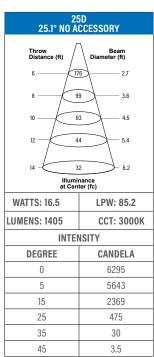
| PROJECT INFOR | MATION |      |  |
|---------------|--------|------|--|
| JOB NAME      |        | TYPE |  |
| ORDERING CODE |        |      |  |

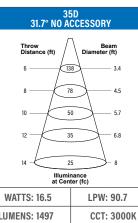
# **PHOTOMETRIC DATA**

| 20LM CCT MULTIPLIERS                      |       |       |  |
|---|-------|-------|--|
|   | 80CRI | 90CRI |  |
| 2700K                                     | 0.96  | 0.81  |  |
| 3000K                                     | 1     | 0.85  |  |
| 3500K                                     | 1.03  | 0.88  |  |
| 4000K 1.06 0.91                           |       |       |  |
| FC Formula = CBCP / Distance <sup>2</sup> |       |       |  |



200





| LUMENS: 1497 | CC1: 3000K |  |
|--------------|------------|--|
| INTENSITY    |            |  |
| DEGREE       | CANDELA    |  |
| 0            | 4985       |  |
| 5            | 4714       |  |
| 15           | 2704       |  |
| 25           | 626        |  |
| 35           | 28         |  |
| 45           | 4.3        |  |

| 49.7° NO ACCESSORY            |                       |  |  |
|-------------------------------|-----------------------|--|--|
| Throw<br>Distance (ft)        | Beam<br>Diameter (ft) |  |  |
| 66                            | 5.6                   |  |  |
| 8 7.4                         |                       |  |  |
| 102                           | 9.3                   |  |  |
| 121!                          | 5 11.1                |  |  |
| 14 - 1                        | 1 13                  |  |  |
| Illuminance<br>at Center (fc) |                       |  |  |
| WATTS: 16.5                   | LPW: 85.8             |  |  |
| LUMENS: 1415 CCT: 3000K       |                       |  |  |
| INTENSITY                     |                       |  |  |
| DEGREE                        | CANDELA               |  |  |
| 0                             | 2200                  |  |  |
| 5 2186                        |                       |  |  |
| 15                            | 1914                  |  |  |
| 25                            | 1087                  |  |  |
| 35                            | 265                   |  |  |
| 45                            | 9                     |  |  |
|                               |                       |  |  |

| 40LM CCT MULTIPLIERS                      |       |       |  |
|---|-------|-------|--|
|   | 80CRI | 90CRI |  |
| 2700K                                     | 0.96  | 0.81  |  |
| 3000K                                     | 1     | 0.85  |  |
| 3500K                                     | 1.03  | 0.88  |  |
| 4000K 1.06 0.91                           |       |       |  |
| FC Formula = CBCP / Distance <sup>2</sup> |       |       |  |

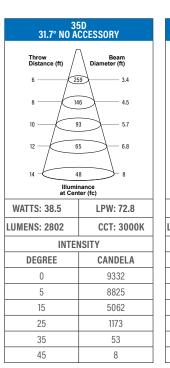
| ΓIΡ | LIERS                 | 20<br>18.3° NO A       | CCESSORY              |
|-----|-----------------------|------------------------|-----------------------|
|     | 90CRI                 | Г                      | ٦                     |
|     | 0.81                  | Throw<br>Distance (ft) | Beam<br>Diameter (ft) |
|     | 0.85                  | 6                      | 58 1.9                |
|     | 0.88                  | 8                      | 14 2.6                |
|     | 0.91                  |                        | $\leq$                |
| P / | Distance <sup>2</sup> | 1020                   | 3.2                   |
|     |                       | 12 14                  | H0 3.9                |
|     |                       | 14 10                  |                       |
|     |                       | Illumi                 | nance                 |
|     |                       | at Cen                 | ter (fc)              |
|     |                       | WATTS: 38.5            | LPW: 64               |
|     |                       | LUMENS: 2486           | CCT: 30               |
|     |                       | INTER                  | NSITY                 |
|     |                       | DEGREE                 | CANDEL                |
|     |                       | 0                      | 20095                 |
|     |                       | 5                      | 16466                 |
|     |                       | 15                     | 3558                  |

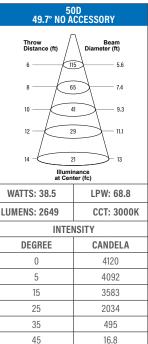
25

35

45

| SORY               | 25.1° NO A             | 5D<br>CCESSORY                |  |  |
|--------------------|------------------------|-------------------------------|--|--|
| Beam<br>neter (ft) | Throw<br>Distance (ft) | Beam<br>Diameter (ft)         |  |  |
| 1.9                | 6                      | 29 2.7                        |  |  |
| 2.6                | 8 - 18                 | 3.6                           |  |  |
| 3.2                | 101                    | 8 4.5                         |  |  |
| 3.9                | 12 8                   | 2 5.4                         |  |  |
| 4.5                | 14 6                   | 0 6.2                         |  |  |
|                    |                        | Illuminance<br>at Center (fc) |  |  |
| PW: 64.6           | WATTS: 38.5            | LPW: 68.3                     |  |  |
| CT: 3000K          | LUMENS: 2631           | CCT: 3000K                    |  |  |
|                    | INTE                   | NSITY                         |  |  |
| ANDELA             | DEGREE                 | CANDELA                       |  |  |
| 20095              | 0                      | 11784                         |  |  |
| 16466              | 5                      | 10565                         |  |  |
| 3558               | 15                     | 4436                          |  |  |
| 188                | 25                     | 890                           |  |  |
| 9.6                | 35                     | 55                            |  |  |
| 2.6                | 45                     | 6.5                           |  |  |
|                    |                        |                               |  |  |





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| PROJECT INFOR | MATION |      |  |
|---------------|--------|------|--|
| JOB NAME      |        | ТҮРЕ |  |
| ORDERING CODE |        |      |  |

# PHOTOMETRIC DATA

| 10LM CCT MULTIPLIERS                      |       |       |  |
|---|-------|-------|--|
|   | 80CRI | 90CRI |  |
| 2700K                                     | 0.96  | 0.81  |  |
| 3000K                                     | 1     | 0.85  |  |
| 3500K                                     | 1.03  | 0.88  |  |
| 4000K 1.06 0.91                           |       | 0.91  |  |
| FC Formula = CBCP / Distance <sup>2</sup> |       |       |  |

| 15D<br>13.6° NO LENS                      |            |  |  |  |
|---|------------|--|--|--|
| Throw Beam<br>Distance (ft) Diameter (ft) |            |  |  |  |
| 6   | 3 1.4      |  |  |  |
| 817                                       | 0 1.9      |  |  |  |
| 1010                                      | 9 2.4      |  |  |  |
| 12 71                                     | 2.9        |  |  |  |
| 14 - 56 - 3.3                             |            |  |  |  |
| Illumir<br>at Cent                        |            |  |  |  |
| WATTS: 11.5                               | LPW: 73.9  |  |  |  |
| LUMENS: 850                               | CCT: 3000K |  |  |  |
| INTEN                                     | ISITY      |  |  |  |
| DEGREE                                    | CANDELA    |  |  |  |
| 0   | 10893      |  |  |  |
| 5   | 7433       |  |  |  |
| 15  | 917        |  |  |  |
| 25  | 20         |  |  |  |
| 35  | 1.6        |  |  |  |
| 45  | 0.6        |  |  |  |

| 9D<br>9.1 ° Smoothing Beam Lens           |                   |  |  |  |  |
|---|-------------------|--|--|--|--|
| Throw Beam<br>Distance (ft) Diameter (ft) |                   |  |  |  |  |
| 63  | 13 1              |  |  |  |  |
| 81  | 1.3               |  |  |  |  |
| 10 12                                     | 23 1.6            |  |  |  |  |
| 12 8                                      | 6 1.9             |  |  |  |  |
| 14 - 6                                    | 3 2.2             |  |  |  |  |
|   | nance<br>ter (fc) |  |  |  |  |
| WATTS: 17                                 | LPW: 31.7         |  |  |  |  |
| LUMENS: 538                               | CCT: 3000K        |  |  |  |  |
| INTE                                      | NSITY             |  |  |  |  |
| DEGREE                                    | CANDELA           |  |  |  |  |
| 0   | 12336             |  |  |  |  |
| 5   | 5363              |  |  |  |  |
| 15  | 314               |  |  |  |  |
| 25 99                                     |                   |  |  |  |  |
| 35  | 31                |  |  |  |  |
| 45  | 2.9               |  |  |  |  |

| 20LM CCT MULTIPLIERS |                 |                       |  |  |  |
|----------------------|-----------------|-----------------------|--|--|--|
| 80CRI 90CRI          |                 |                       |  |  |  |
| 2700K                | 0.96            | 0.81                  |  |  |  |
| 3000K                | 1               | 0.85                  |  |  |  |
| 3500K                | 1.03            | 0.88                  |  |  |  |
| 4000K                | 4000K 1.06 0.91 |                       |  |  |  |
| FC For               | mula = CBCP /   | Distance <sup>2</sup> |  |  |  |

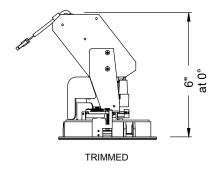
| 15D<br>13.6° NO LENS   |                       |  |  |  |
|------------------------|-----------------------|--|--|--|
| Throw<br>Distance (ft) | Beam<br>Diameter (ft) |  |  |  |
| 6                      | 33 1.4                |  |  |  |
| 8 30                   | 1.9                   |  |  |  |
| 1019                   | 2.4                   |  |  |  |
| 12 13                  | 2.9                   |  |  |  |
| 14 9                   | 8 3.3                 |  |  |  |
| Illumi<br>at Cen       | nance<br>ter (fc)     |  |  |  |
| WATTS: 30.5            | LPW: 49.1             |  |  |  |
| LUMENS: 1496           | CCT: 3000K            |  |  |  |
| INTE                   | NSITY                 |  |  |  |
| DEGREE                 | CANDELA               |  |  |  |
| 0                      | 19185                 |  |  |  |
| 5                      | 13090                 |  |  |  |
| 15                     | 1614                  |  |  |  |
| 25                     | 35                    |  |  |  |
| 35                     | 2.9                   |  |  |  |
| 45                     | 1                     |  |  |  |

Alphabet by Ledra Brands, Inc. 88 Maxwell Irvine, CA 92618 PH: 714.259.9959 FAX: 714.259.9969 AlphabetLighting.com

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

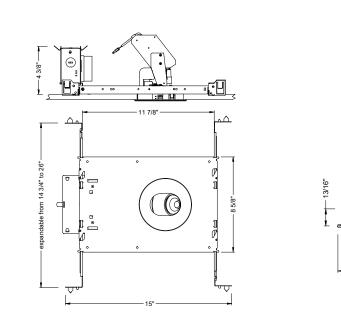
# **MOUNTING OPTIONS**

# **FIXTURE HEIGHT**



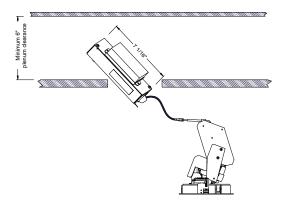
# **NC - NEW CONSTRUCTION**





# **RET - RETRO**

TRIM/TRIMLESS



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.

TRIM

ceiling cutout 4-3/8" diameter

ceiling thickness 0.4" to 2.0"

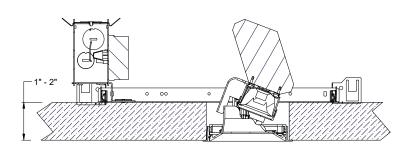
Pinhole slot opening 4 3/4"

# **MOUNTING OPTIONS (CONTINUED)**

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

| CEILING THICKNESS   |                            |                         |  |  |  |  |
|---------------------|----------------------------|-------------------------|--|--|--|--|
|                     | MOUNTING TYPE              |                         |  |  |  |  |
| FIXTURE TYPE        | NC, IC, ICAT, CP, RET      | NC, IC, ICAT, CP, RET   |  |  |  |  |
|                     | STANDARD CEILING THICKNESS | THICK CEILING THICKNESS |  |  |  |  |
| TRIM                | 0.4" to 1.1"               | 1.0" to 2.0"            |  |  |  |  |
| TRIMLESS            | 0.4" to 1.1"               | 1.0" to 2.0"            |  |  |  |  |
| MILLWORK (TRIMLESS) | 0.5" to 1.1"               | 1.0" to 2.0"            |  |  |  |  |

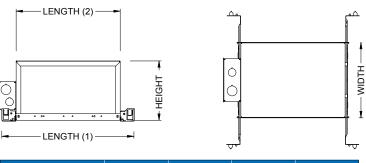
### TC - THICK CEILING (1" TO 2") APPLICATION TRIM/TRIMLESS



| THICK CEILING FIXTURE INFO      |      |              |  |  |  |  |
|---------------------------------|------|--------------|--|--|--|--|
| TILT ROTATION CEILING THICKNESS |      |              |  |  |  |  |
| 0° - 20°                        | 360° | UP TO 2"     |  |  |  |  |
| 20° - 30°                       | 160° | UP TO 2"     |  |  |  |  |
| 30° - 40°                       | 160° | UP TO 1.625" |  |  |  |  |

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

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



| BOX SIZE | L1         | L 2       | W         | Н         |
|----------|------------|-----------|-----------|-----------|
| A        | 15 - 7/16" | 11 - 3/4" | 8 - 1/2"  | 6 - 3/4"  |
| В        | 18 - 1/4"  | 14 - 7/8" | 12 - 1/8" | 11 - 1/4" |
| С        | 18 - 1/4"  | 14 - 7/8" | 12 - 1/8" | 6 - 3/4"  |

| BOX TYPE / LUMEN OUTPUT - NARROW BEAM (9°) |  |         |        |    |      |  |  |
|--|--|---------|--------|----|------|--|--|
|  |  | BOX - B | BOX -C |    |      |  |  |
| LUMEN OUTPUT CP IC ICAT                    |  |         |        | IC | ICAT |  |  |
| 10LM                                       |  |         |        |    |      |  |  |

| BOX TYPE / LUMEN OUTPUT - NARROW BEAM (15°) |         |    |      |         |        |
|---|---------|----|------|---------|--------|
| LUMEN OUTPUT                                | BOX - A |    |      | BOX - B | BOX -C |
|   | СР      | IC | ICAT | IC      | ICAT   |
| 10LM  | v       | 4  | 4    |         |        |
| 15LM  | ~       | ~  | ~    |         |        |
| 20LM  |         |    |      |         |        |

| BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (25° - 55°) |    |         |      |         |        |
|--|----|---------|------|---------|--------|
| LUMEN OUTPUT   |    | BOX - A |      | BOX - B | BOX -C |
|  | СР | IC      | ICAT | IC      | ICAT   |
| 10LM   | ~  | ~       | ~    |         |        |
| 15LM   | ~  | ~       | ~    |         |        |
| 20LM   | ~  | ~       | ~    |         |        |
| 25LM   | ~  | 4       | v    |         |        |
| 30LM   |    |         |      |         |        |
| 35LM   |    |         |      |         |        |
| 40LM   |    |         |      |         |        |

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.

## **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**

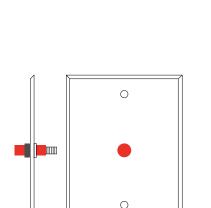
The remote test switch may be mounted adjacent to the LED Fixture by others.

### **EMERGENCY BATTERY ACCESS**

Above ceiling access is recommended for ease of service, but LED fixture sizes of 4" and larger are capable of below ceiling access. IC/ICAT/CP box and ITS option require an access panel in the ceiling (or other form of access) adjacent to the installation location of the emergency battery.

### **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.

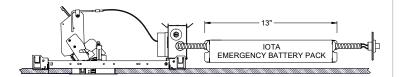


Remote Test Switch

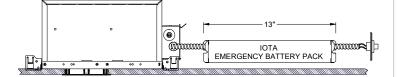
| EM MODE OUTPUT (DELIVERED LUMENS) |       |        |        |
|-----------------------------------|-------|--------|--------|
| LUMEN ORDERING CODE               | EM7   | EM10   | EM12   |
| ALL OPTIONS (10LM TO 40LM)        | 800LM | 1050LM | 1150LM |
| Notes: Based on 30K, 80CRI        |       |        |        |

# **NC - NEW CONSTRUCTION**

WITH EM BATTERY (REMOTE TEST SWITCH)

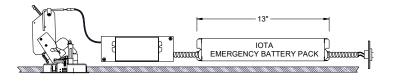


# IC / ICAT / CP - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)



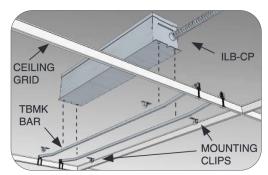
### **RET - RETROFIT**

WITH EM BATTERY (REMOTE TEST SWITCH)



#### Accessory

76066 Optional T-Grid Mounting Kit<sup>1</sup>



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

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