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

# NU6

## 6" Square Adjustable Tunable White



### DESCRIPTION

The NU6QA-TW 6" recessed adjustable by ALPHABET offers economical and efficient, tunable CCT LED technology from Luminus, premium performance, thoughtful construction and pleasing aesthetics. Available with standard premium dimming using the EldoLED flicker-free driver with LightShape technology at 120V-277V universal voltage. A minimalistic look is achieved with an ultrathin 1/16" trim that is only 5/16" wide. Color choices of both trim and bezel are offered for a customized look. An adjustable hot-aiming system allows tilt adjustments from 0° to 40° with 360° rotation. The aiming adjustment and locking mechanisms are accessible from below the ceiling while the reflector is installed. A complex tilting mechanism positions the tilting axis for the maximum optical performance at all angles. Optional integrated nLight® interface for Acuity Controls compatibility. Optional Casambi interface for wireless control. DALI and 0-10V compatible dimming.

### HOUSING

Electrocoated 16-gauge cold-rolled steel provides enhanced structural reinforcement and rust prevention. Superior, UL-certified, injection-molded commercial-grade Lexan™ (PC) is used for the frame and regressed bezel trim. Lexan provides unmatched durability and impact resistance, and is tested for UV resistance and water exposure in outdoor applications. The thermally-advanced, anodized heat sink uses 6063 aluminum alloy.

### MOUNTING

An advanced mounting system allows for quick and secure installation with LED and driver serviceability from below the ceiling. The LED assembly uses die-cast aluminum mounting clamp grips (MCG) that swing out to tighten onto variable ceiling thicknesses. Integrated rubber feet on each MCG provide a non-slip vibration-resistant installation. The hidden MCG system is accessible from below ceiling by removing the snap-in lens/bezel assembly with either the included suction cup or a screwdriver blade. Integrated bar hangers feature integral toothed nails, T-bar mounting slots with locking holes, tabs for joist positioning. Retrofit mounting option allows for installation from below ceiling by use of compact driver box. No risk damaging LED or bezel assembly during installation, these are installed during last steps. Fixture and driver are easily removed for servicing after install without damaging drywall.

| MOUNTING DIMENSIONS | CEILING THICKNESS | CEILING CUTOUT |
|---|---|---|
| Trim | 1/8" to 1-5/8" | 6-1/4" square |

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

### LISTINGS

- ETLus Listed to UL1598, cETL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, Lexan dead-front construction
- Made in the USA - meets the requirements of the Buy American provision within the ARRA

| 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 | ✔ | ✔ | ✔ | ✔ | ✔ |

### LED INFO

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

## LUMINUS TUNABLE WHITE - ORDERING CODE

LM-79

| | | |
|---|---|---|
| SERIES | **NU6** | |
| TYPE | **QA** | square adjustable |
| LED | **TW** | tunable white (Luminus) |
| DELIVERED LUMENS | **07LM** | 560 lm |
| | **10LM** | 800 lm |
| | **13LM** | 1050 lm |
| | **16LM** | 1280 lm |
| | **20LM** | 1600 lm |
| | Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier]<br>Standard Configuration: 3500K | |
| CCT | **2765** | 2700K to 6500K tunable white |

| CCT | 2700K | 3000K | 3500K | 4000K | 5000K | 5700K | 6500K |
|---|---|---|---|---|---|---|---|
| CCT MULTIPLIER FOR LUMEN OUTPUT | 0.91 | 0.98 | 1.00 | 0.99 | 1.00 | 1.01 | 1.02 |
| EML RATIO[2] | 0.49 | 0.57 | 0.68 | 0.79 | 0.96 | 1.04 | 1.12 |

| | | |
|---|---|---|
| CRI | **95** | 95 CRI max at 3500K, 90 CRI at 6500K |
| REFLECTOR & LM MULTIPLIER | **S30** | 30° specular, no lens |
| | **S40** | 40° specular, no lens |
| | **S50** | 50° specular, no lens |
| VOLTAGE | **120** | 120V |
| | **UNV** | 120V-277V |
| DIMMING | **CASZ** | Casambi dim to zero |
| | **NLT** | nLight control interface: Cat-5/RJ45, dim to off |
| | **DIM10Z[1]** | eldoLED flicker free 0-10V dim 0.1% |
| | **DALIZ** | eldoLED flicker free DALI-2 dim to 0.1% |
| MOUNTING OPTIONS | **NC** | new construction plate |
| | **IC** | insulation contact housing |
| | **ICAT** | insulation contact/airtight housing |
| | **CP** | chicago plenum housing |
| | **RET** | retrofit, no ceiling plate |
| TRIM COLOR | **BK** | black |
| | **WH** | white |
| | **MC** | matte chrome |
| | **BZ** | bronze |
| BEZEL COLOR | **BK** | black |
| | **WH** | white |
| | **MC** | matte chrome |
| | **BZ** | bronze |

### ORDERING CODE

Follow the steps to specify your fixture, example:
**NU6 - QA - TW - 13LM - 2765 - 95 - S30 - 120 - CAS - NC - WH - WH**

| LUMINUS (LED) | POWER |
|---|---|
| DELIVERED LM | W (95 CRI) |
| 560 | 10 |
| 800 | 13 |
| 1050 | 15 |
| 1280 | 19 |
| 1600 | 25 |

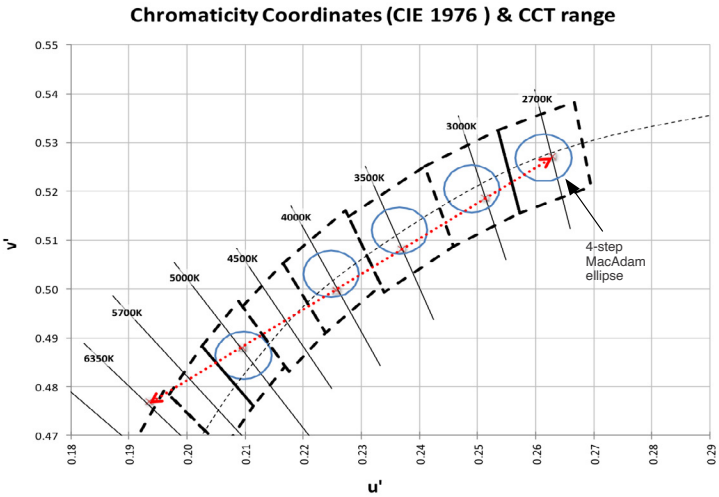
Power Factor ≥ 0.9

**NOTES**
1. Requires 2 wall controllers (see wiring diagram).
2. 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.

| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
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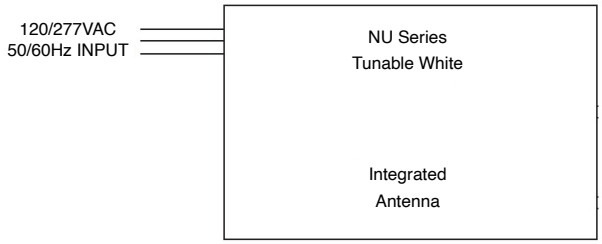
## TUNABLE WHITE

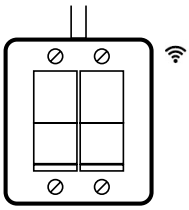
### LUMINUS 95CRI




## WIRING DIAGRAMS

### "CAS" CASAMBI CONTROLS



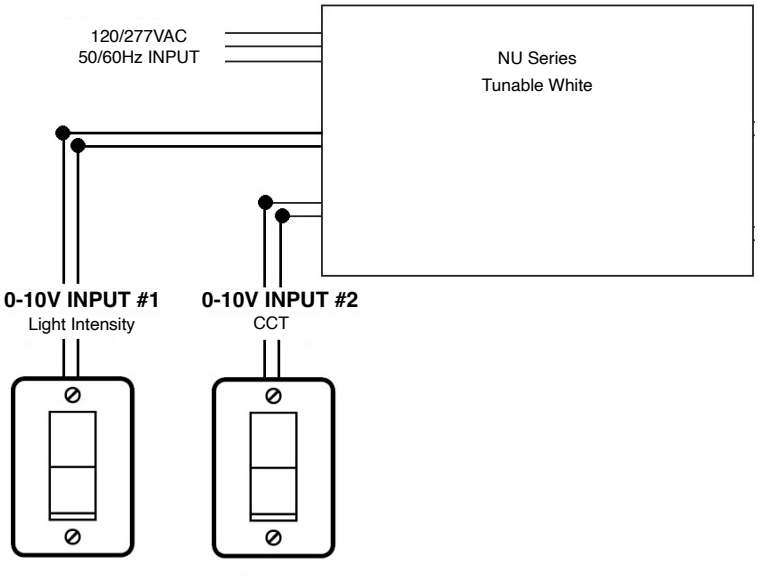
COMPATIBLE WIRELESS SWITCHES

CCT & Light Intensity Control




CASAMBI™ APP (IOS & Android)
Wireless Commissioning,
CCT & Light Intensity Control

### "DIM10Z" HARDWIRED 0-10V CONTROL




**STANDARD 0-10V SWITCHES**

(provided by others)

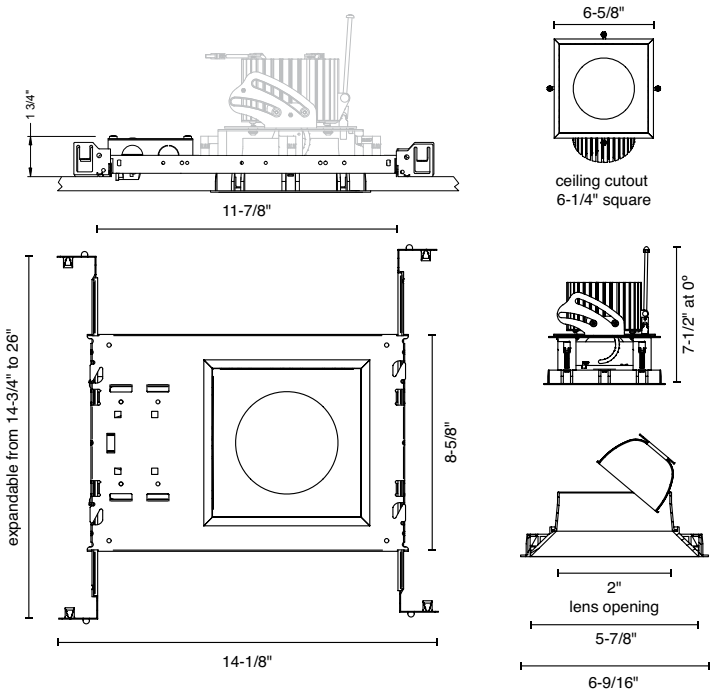
**NOTES**

1. Consult factory to order compatible wireless switches.

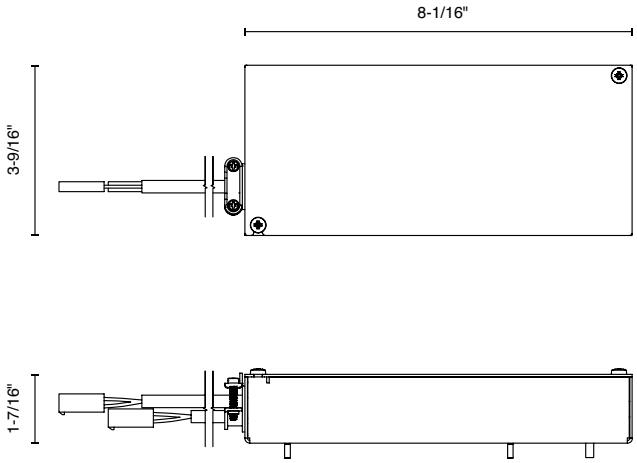
| PROJECT INFORMATION | | | |
|---|---|---|---|
| JOB NAME | | TYPE | |
| ORDERING CODE | | | |

## MOUNTING OPTIONS

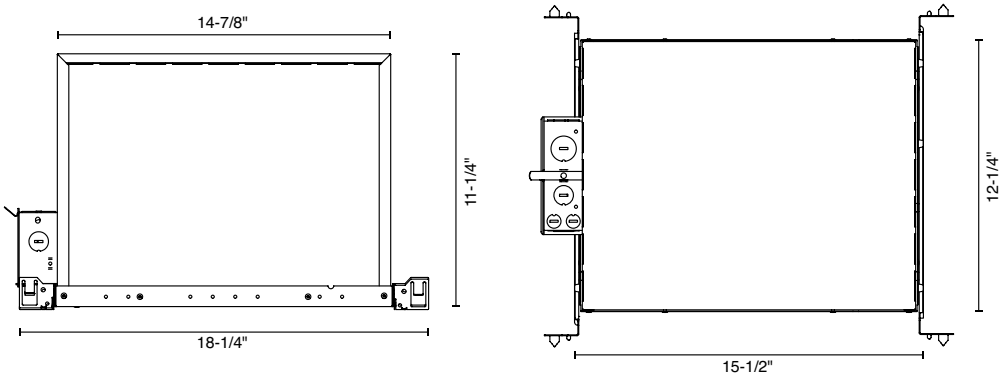
### NC - NEW CONSTRUCTION




### RET - RETROFIT




### IC - INSULATION CONTACT HOUSING




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

