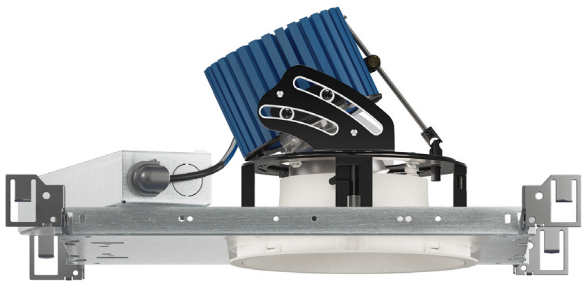
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

6" Round Adjustable Tunable White



DESCRIPTION

The NU6RA-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"	6-3/8" diameter

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	**RA**	round 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] 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	**S30**	30° specular, no lens
	S40	40° specular, no lens
	S50	50° specular, no lens
	SC30	30° specular with clear lens
	SC50	50° specular with clear lens
	SC40	40° specular with clear 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 - RA - 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

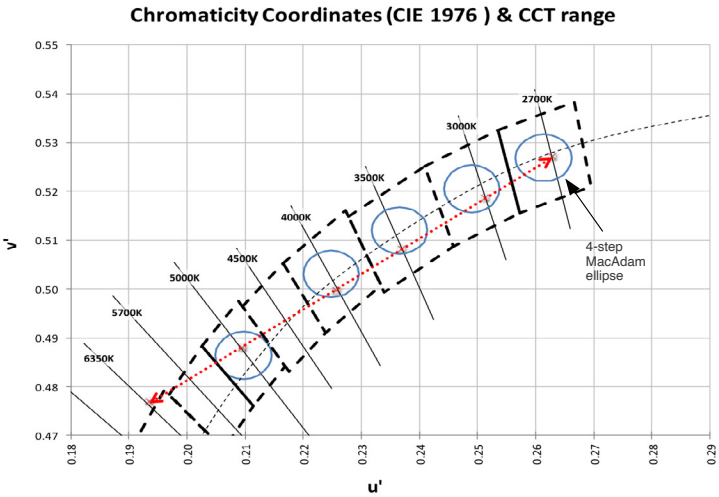
Power Factor ≥ 0.9

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	
ORDERING CODE			

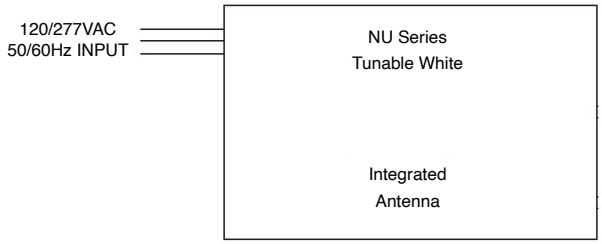
TUNABLE WHITE

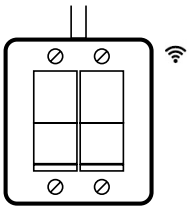
LUMINUS 95CRI



WIRING DIAGRAMS

"CAS" CASAMBI CONTROLS





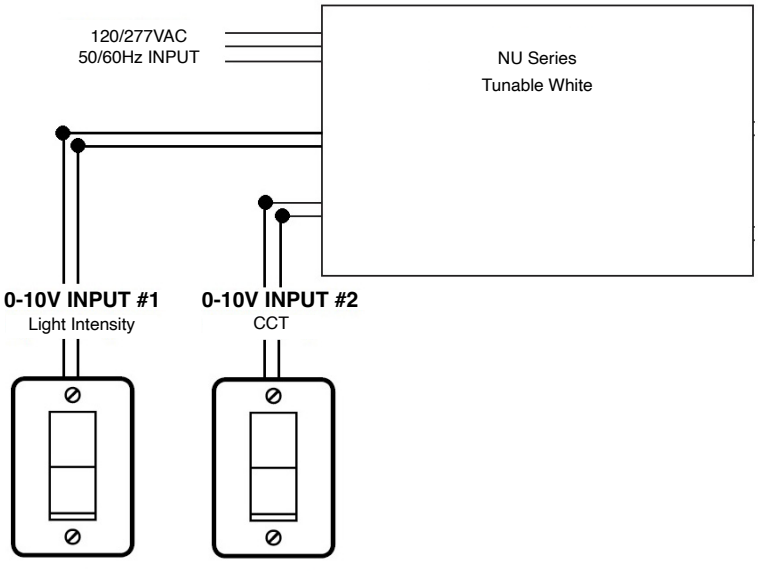
COMPATIBLE WIRELESS SWITCHES

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)

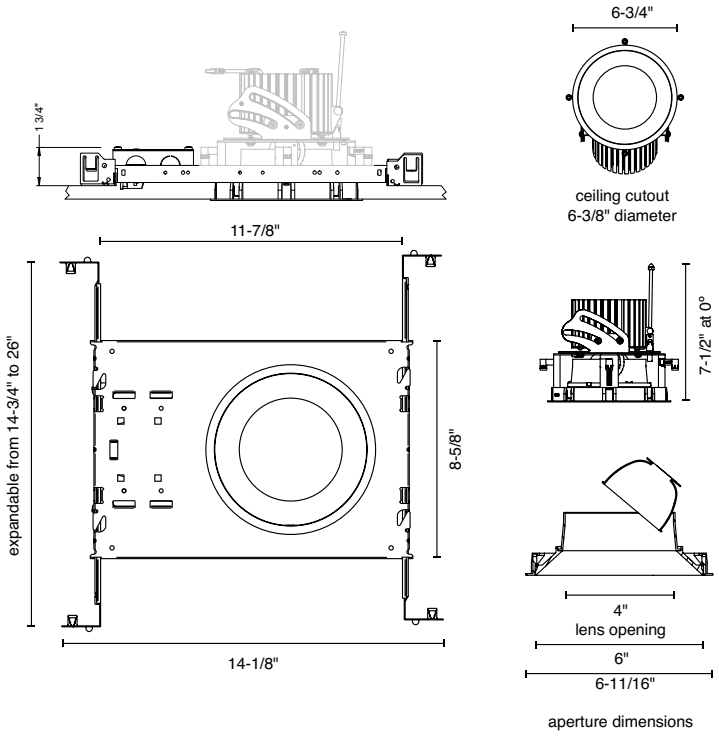
NOTES

1. Consult factory to order compatible wireless switches.

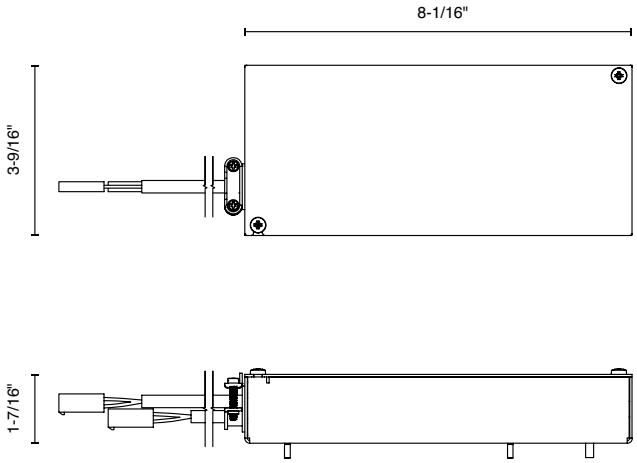
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

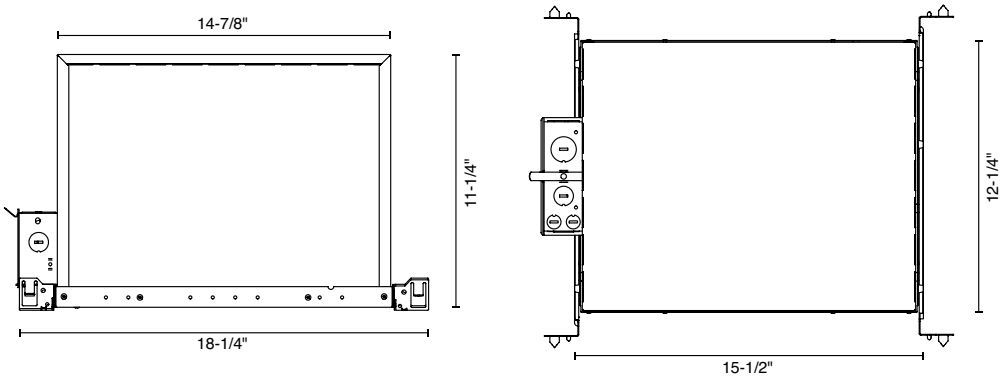
NC - NEW CONSTRUCTION



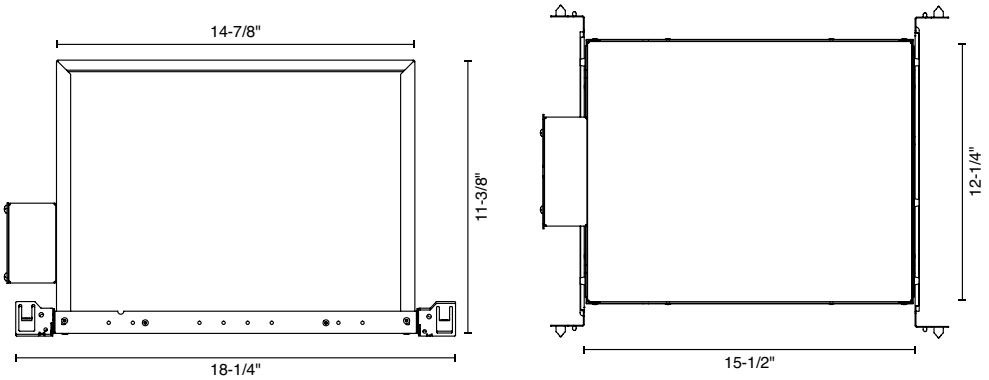
RET - RETROFIT



IC - INSULATION CONTACT HOUSING



CP - CHICAGO PLENUM
ICAT - INSULATION CONTACT / AIR TIGHT



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.