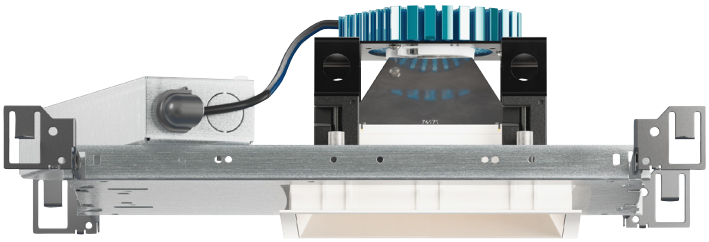
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

6" Square Downlight Tunable White



DESCRIPTION

The NU6QD-TW 6" recessed downlight 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. Several beam angles available, plus an optional high-efficiency BrightView diffused lens for smooth light distribution and obscured LED image. 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. Wet location rated is offered standard.

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	QD	square downlight
LED	TW	tunable white (Luminus)
DELIVERED LUMENS	07LM 10LM 13LM 16LM 20LM	595 lm 850 lm 1040 lm 1285 lm 1700 lm
	Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier] Standard Configuration: 3500K WH85	
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	HE65 HE75 D75 WH85	65° high efficiency diffused lens (0.88) 75° high efficiency diffused lens (0.95) 75° diffused with clear lens (0.95) 85° brilliant white with clear lens (1.00)
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	CASZ NLT DIM10Z[1] DALIZ	Casambi dim to zero nLight control interface: Cat-5/RJ45, dim to off eldoLED flicker free 0-10V dim 0.1% eldoLED flicker free DALI-2 dim to 0.1%
MOUNTING OPTIONS	NC IC ICAT RET CP	new construction plate insulation contact housing insulation contact/airtight housing retrofit, no ceiling plate chicago plenum housing
TRIM COLOR	BK WH MC BZ	black white matte chrome bronze
BEZEL COLOR	BK WH MC BZ	black white matte chrome bronze

ORDERING CODE

Follow the steps to specify your fixture, example:
NU6 - QD - TW - 13LM - 2765 - 95 - WH85 - 120 - CAS - NC - WH - WH

LUMINUS (LED)	POWER
DELIVERED LM	W (95 CRI)
595	10
850	13
1040	15
1285	19
1700	25

Power Factor ≥ 0.9

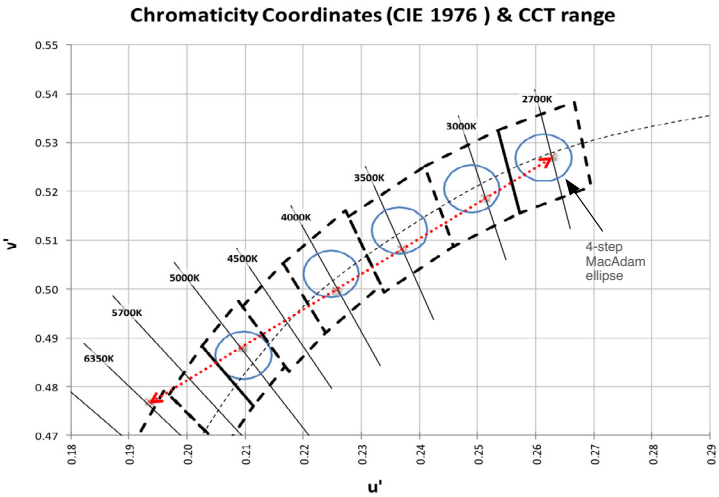
NOTES
1. Requires 2 wall controllers (see wiring diagram).
2. EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML ratio for the given CCT. Example: 254 lux x 0.79 = 200 melanopic lux at 4000K.

100199

PROJECT INFORMATION			
JOB NAME		TYPE	
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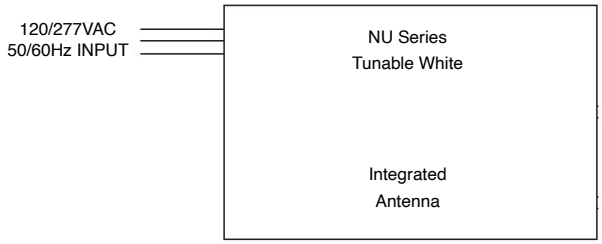
TUNABLE WHITE

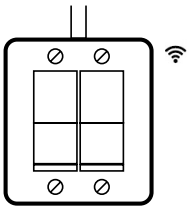
LUMINUS 95CRI



WIRING DIAGRAMS

"CAS" CASAMBI CONTROLS





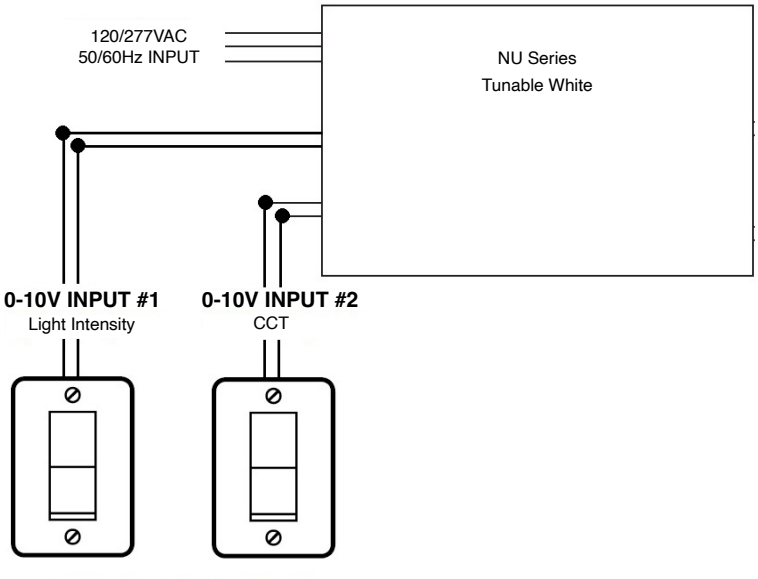
COMPATIBLE WIRELESS SWITCHES

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

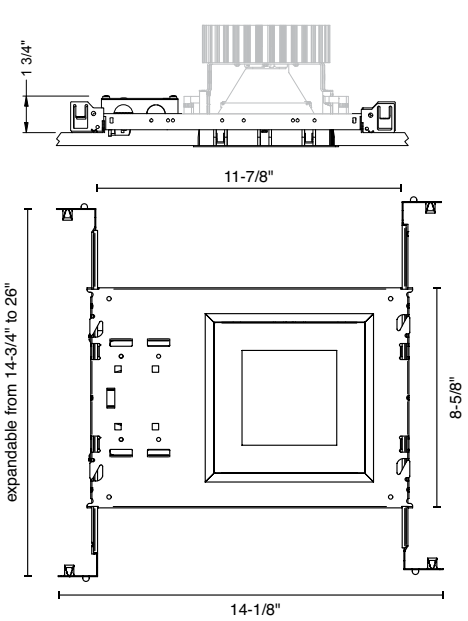
1. Consult factory to order compatible wireless switches.

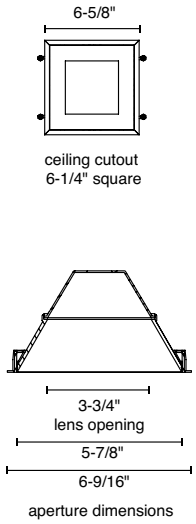
100199

PROJECT INFORMATION			
JOB NAME		TYPE	
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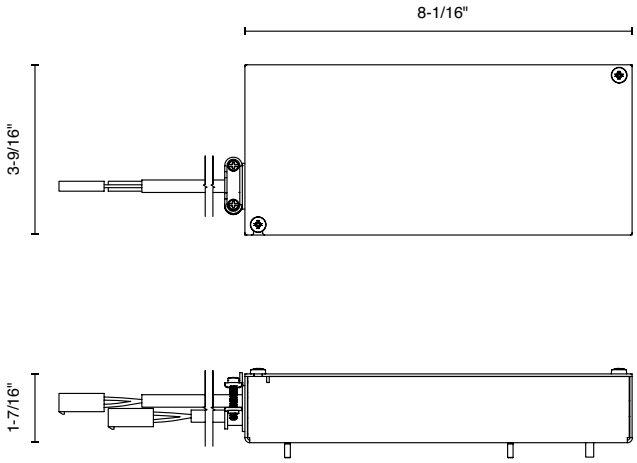
MOUNTING OPTIONS

NC - NEW CONSTRUCTION

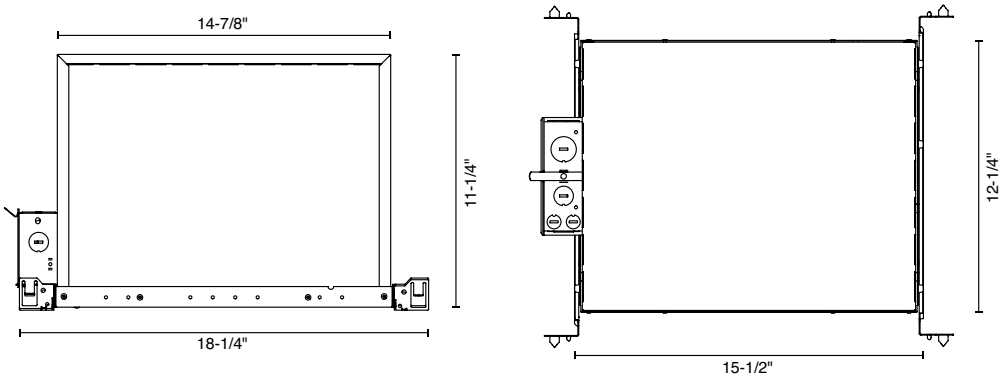




RET - RETROFIT



IC - INSULATION CONTACT HOUSING



CP - CHICAGO PLENUM
ICAT - INSUALTION CONTACT / AIR TIGHT

