

JOB NAME

CONTACT

ORDERING CODE

NU3"

Round Adjustable
Warm DimeldoLED
your product | our drive

Trim



Trimless



Trimless Millwork

DESCRIPTION

The NU3RA-WD 3" recessed adjustable by ALPHABET offers economical and efficient dim-to-warm LED technology from Luminus, premium performance, thoughtful construction and pleasing aesthetics. Offered standard with premium dimming using EldoLED 1% flicker free drivers 120V-277V universal voltage. An adjustable hot-aiming system allows tilt adjustments from 0° to 30° 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.

For the trim version, 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. For the trimless version, a perforated, mud up, regressed trim assembly provides for clean, trim free installation. Perforated mud frame's integrated lip helps guide the joint compound creating a sharp and clean opening.

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. A 90-minute constant-power IOTA emergency battery backup is available.

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 1-1/4"	3-3/8" diameter
Trimless	3/8" to 1-3/4"	3-1/2" diameter
Millwork (Trimless)	1/2" to 1-3/4"	3-3/8" 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 Dim-to-warm COB:
97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: $L_{70} > 54,000$ hrs

ORDERING CODE

SERIES	NU3	
TYPE	RA RAT RATMW	round adjustable round adjustable trimless round adjustable trimless millwork
LED	WD	warm dim (Luminus)
DELIVERED LUMENS	10LM 13LM 20LM	830 lm 1070 lm 1380 lm
CCT	3018	3000K, dim to 1800K
CRI	97	97 CRI
REFLECTOR & LM MULTIPLIER	S30 S40 S50	30° specular, no lens (0.99) 40° specular, no lens (1.00) 50° specular, no lens (0.98)
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	DIM10 DIM10Z DALI DALIZ ELV ² ELV1 ²	eldoLED flicker free 0-10V dimming to 1% eldoLED flicker free 0-10V dimming to 0% eldoLED flicker free DALI dimming to 1% eldoLED flicker free DALI dimming to 0% leading & trailing edge (Triac/ELV) dimming to < 10% leading & trailing edge (Triac/ELV) dimming to 1%
MOUNTING OPTIONS	NC IC ¹ ICAT ¹ CP ¹ RET	new construction with ceiling fitting plate insulation contact housing insulation contact/airtight housing chicago plenum housing retrofit, no ceiling fitting plate
TRIM COLOR	BK WH MC BZ WT	black white matte chrome bronze wheat Not applicable to trimless option. Do not include in trimless ordering code.
BEZEL COLOR	BK WH MC BZ WT	black white matte chrome bronze wheat
ELECTRICAL OPTIONS	EM7 EM12	emergency battery backup, 90 minutes at 7 watts to LED emergency battery backup, 90 minutes at 12 watts to LED

ORDERING CODE

Follow the steps to specify your fixture, example:

NU3 - RA - WD - 13LM - 3018 - 97 - S50 - 120 - DIM10 - NC - WH - WH - EM7

LUMINUS (LED)	POWER	CCT AT LIGHT LEVEL (%LF) ³			
		%LF	20LM	13LM	10LM
830	13	100%	3000	3000	3000
1070	17	50%	3000	3000	2800
1380	27	25%	2800	2500	2300
		10%	2200	2000	1900
		5%	1800	1800	1800

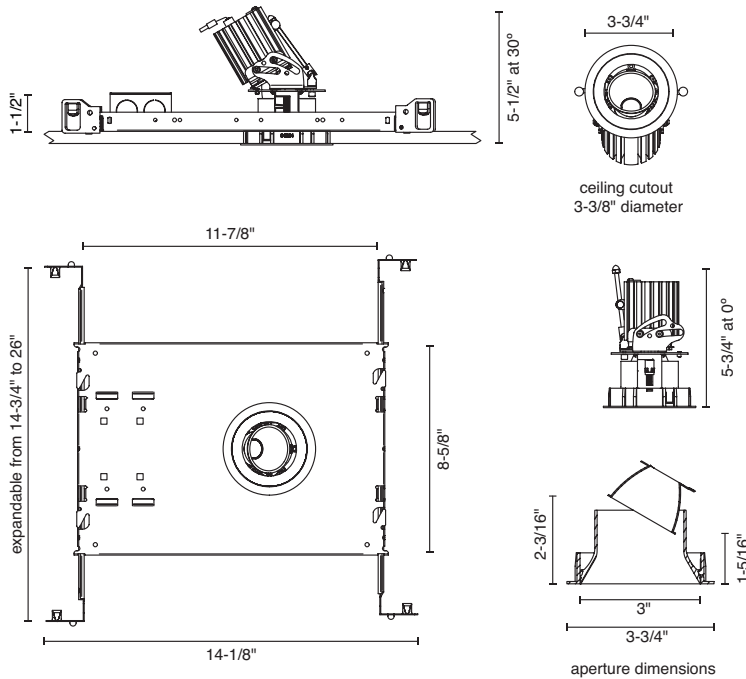
Power Factor ≥ 0.9

NOTES

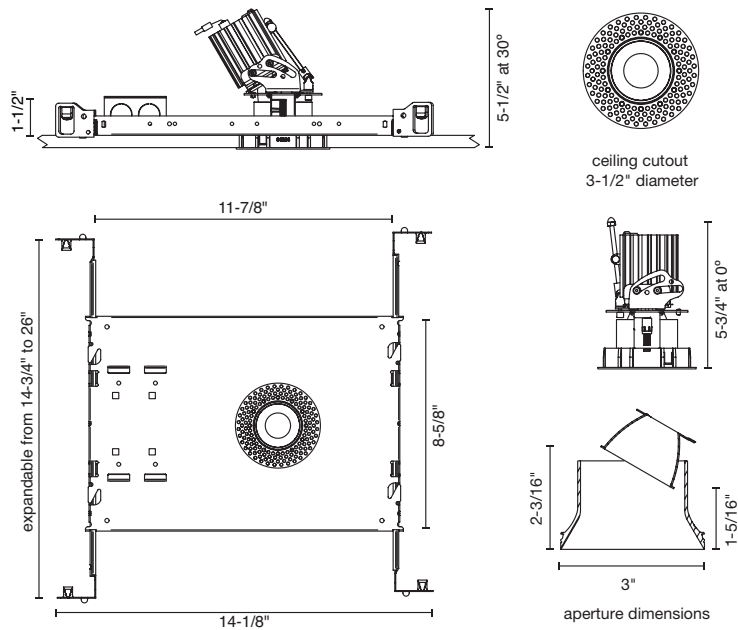
1. IC/ICAT/CP not available in 20LM.
2. Triac/ELV dimming available in 120V only.
3. Values shown are for reference only. Actual CCT may vary.

MOUNTING OPTIONS

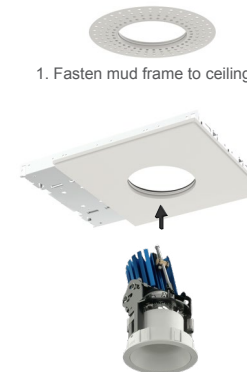
NC - NEW CONSTRUCTION TRIM



NC - NEW CONSTRUCTION TRIMLESS



1. Fasten mud frame to ceiling.



3. Install LED assembly.



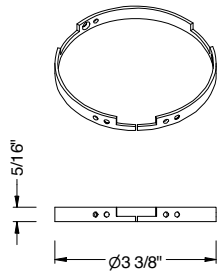
2. Insert protective cover (included).
Apply joint compound over the mud frame.



4. Install bezel.

MOUNTING OPTIONS (CONTINUED)

RATMW – MILLWORK TRIMLESS



Millwork Mounting Bracket

NOTES

- 1 Ceiling cutout 3-3/8".
- 2 Millwork Mounting Bracket & Mounting Screws are included with each Luminaire.
- 3 One Plastic Spacer and two C-Clamps are included with each order.
- 4 Refer to Installation Instructions for further details.



1. Insert Millwork Mounting Bracket using the included Plastic Spacer for proper depth positioning.



2. Use the included C-Clamps to temporarily hold the Plastic Spacer in position. Fasten the included wood screws into the Mounting Bracket using a right-angle impact driver (supplied by others).



3. Remove Plastic Spacer.



4. Install Luminaire.

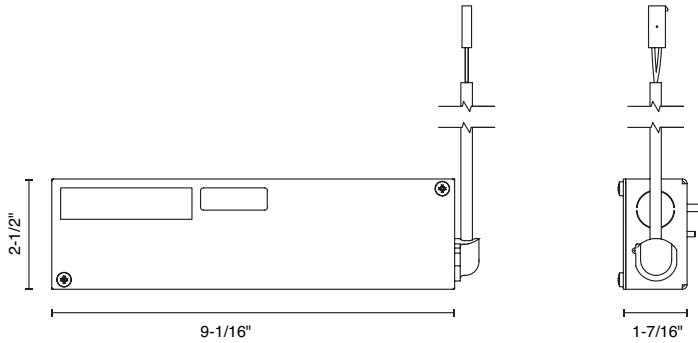


5. Insert Bezel to finish the installation.

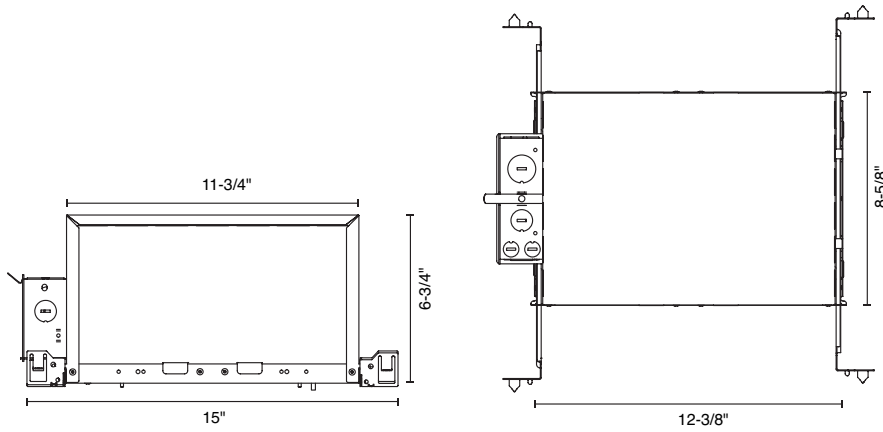


MOUNTING OPTIONS (CONTINUED)

RET - RETROFIT TRIM/TRIMLESS



IC - INSULATION CONTACT HOUSING TRIM/TRIMLESS



CP - CHICAGO PLENUM ICAT - INSULATION CONTACT / AIR TIGHT TRIM/TRIMLESS

