

JOB NAME _____

CONTACT _____

ORDERING CODE _____



NU4" Square Downlight Xicato



DESCRIPTION

The NU4QD 4" recessed downlight by ALPHABET offers multiple cutting edge LED technologies, premium performance, thoughtful construction and pleasing aesthetics. Offered standard with premium dimming using EldoLED 1% flicker free drivers 120V-277V universal voltage. Several beam angles available, plus an optional high-efficiency BrightView diffused lens for smooth light distribution and obscured LED image.

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. Wet location rated is offered standard. 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	New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Trim	1/8" to 1-5/8"	4-1/4" square	Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	Extends a pair of Bar Hangers Total Mounting Length: 29" to 48"
Trimless	3/8" to 1-3/4"	4-1/2" square		
Millwork (Trimless)	5/8" to 1-3/4"	4-1/4" square		

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

- SDCM = 1X2 MacAdam Ellipse, Duv +/- 0.001, Lumen Maintenance: L₉₀ > 55,000 hrs

XICATO XTM MODULE - ORDERING CODE

SERIES	NU4	
TYPE	QD QDT QDTMW	square downlight square downlight trimless square downlight trimless millwork
LED	XTM19	Xicato XTM 19mm
DELIVERED LUMENS	07LM 10LM 13LM 20LM 30LM 40LM	600 lm 860 lm 1120 lm 1720 lm 2570 lm 3430 lm
CCT	27K 30K 35K 40K	2700K 3000K 3500K 4000K
CRI	83 98 ¹	83 CRI 98 CRI
REFLECTOR & LM MULTIPLIER	HE60 HE70 HE80 D65 S60 WH80	60° high efficiency diffused lens (0.97) 70° high efficiency diffused lens (0.94) 80° high efficiency diffused lens (0.98) 65° diffused with clear lens (0.98) 60° specular with clear lens (1.00) 80° brilliant white with clear lens (0.99)
NO LENS OPTION	NL ⁴	no lens
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	DIM10 ⁵ DIM10Z ⁵ DALI ⁶ DALIZ ⁵ DMXZ LTE ⁵ LUT ⁸ LUTP ⁹ ELV ⁶	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% DMX dim to zero Lutron Hi-lume 2-Wire (Triac) dimming to 1% Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black leading & trailing edge dimming (Triac/ELV)
MOUNTING OPTIONS	NC IC ² ICAT ² CP ² 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 <small>Not applicable to trimless option. Do not include in trimless ordering code.</small>
BEZEL COLOR	BK WH BZ MC WT	black white bronze matte chrome wheat
ELECTRICAL OPTIONS	EM7 ⁷ EM12 ^{3,7}	emergency battery backup, 90 minutes at 7W to LED emergency battery backup, 90 minutes at 12W to LED

ORDERING CODE _____

Follow the steps to specify your fixture, example:
NU4 - QD - XTM19 - 13LM - 35K - 98 - HE60 - 120 - DIM10 - NC - WH - WH - EM7

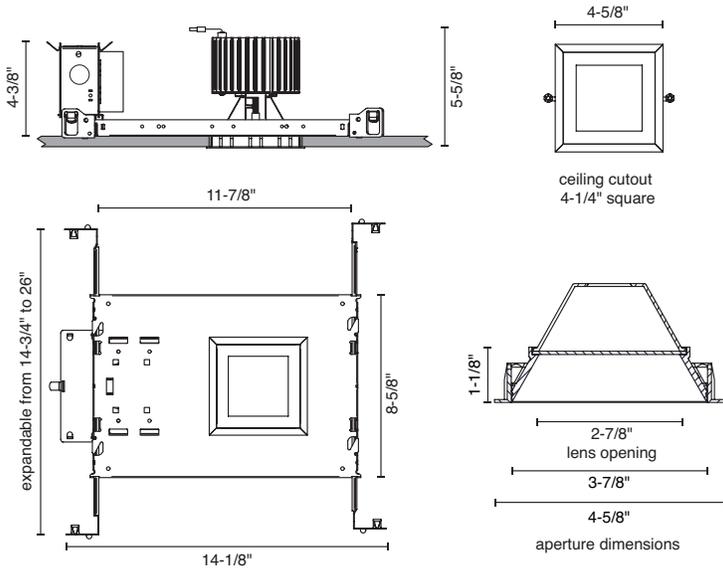
XTM19 (LED)	POWER	
	DELIVERED LM	W (83 CRI)
600	10	11
860	12	15
1120	17	21
1720	26	33
2570	37	43
3430	49	N/A

Power Factor ≥ 0.9

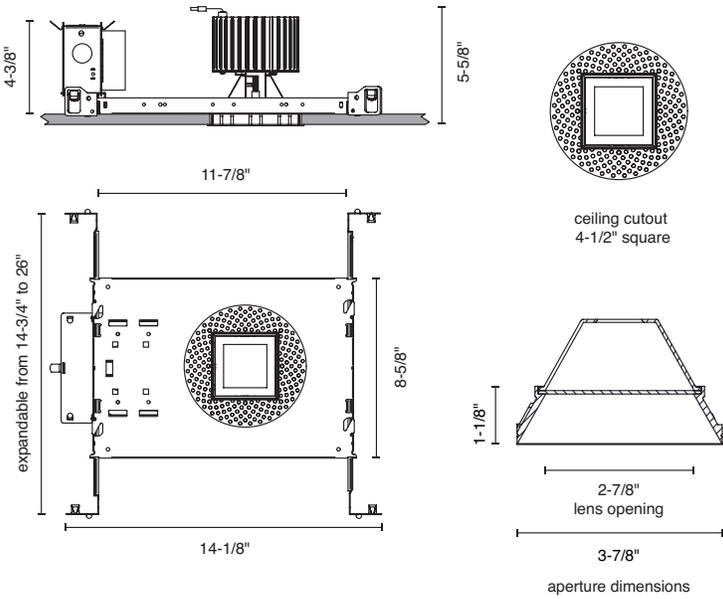
- NOTES**
- 98CRI not available for 40LM.
 - IC/ICAT/CP not available for 98CRI in 30LM or 83/98CRI in 40LM.
 - EM12 not available for 83CRI in 07LM, 10LM or 13LM.
 - No lens option available for S60, D65, or WH80 and is damp location rated.
 - Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
 - Triac/ELV dimming available for 83/98CRI in 10LM, 13LM, 20LM, & 83CRI only in 30LM. Dimmable to < 10% in 10LM, 13LM. Dimmable to < 1% in 20LM, 30LM.
 - For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Test switch is mounted in the bezel of the fixture.
 - LTE/LUT not available in 40LM.
 - LUTP not available in 20LM, 30LM, or 40LM.

MOUNTING OPTIONS

**NC - NEW CONSTRUCTION
TRIM**

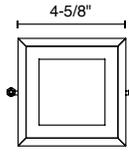


**NC - NEW CONSTRUCTION
TRIMLESS**



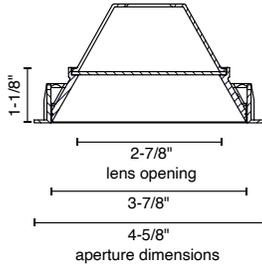
MOUNTING OPTIONS (CONTINUED)

TRIMMED

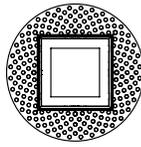


ceiling cutout
4-1/4" square

ceiling thickness
1/8" to 1-5/8"

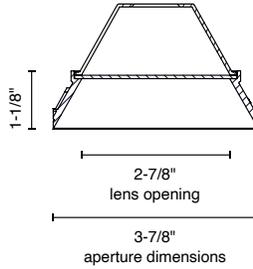


TRIMLESS



ceiling cutout
4-1/2" square

ceiling thickness
3/8" to 1-3/4"

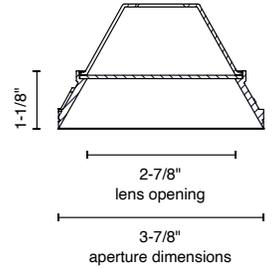


MILLWORK

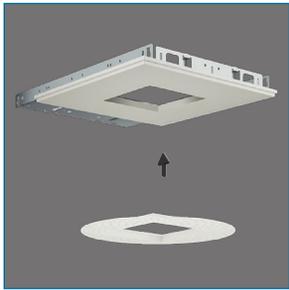


ceiling cutout
4-1/4" square

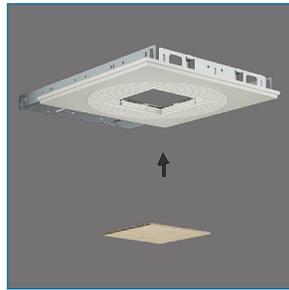
ceiling thickness
5/8" to 1-3/4"



TRIMLESS



1. Fasten mud frame to ceiling.



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



3. Install LED assembly.

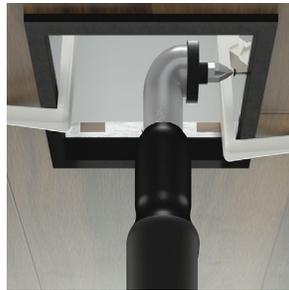


4. Install bezel.

TRIMLESS MILLWORK



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).



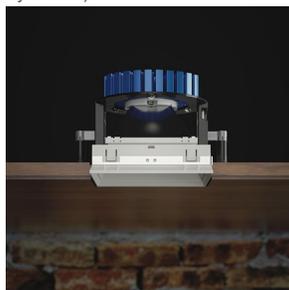
3. Remove Plastic Spacer.



4. Install Luminaire.

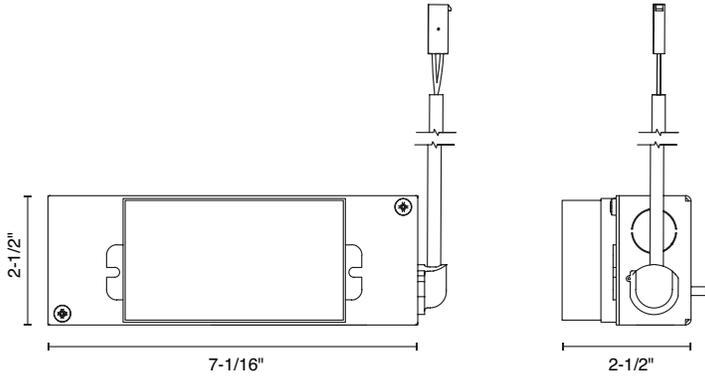


5. Insert Bezel to finish the installation.

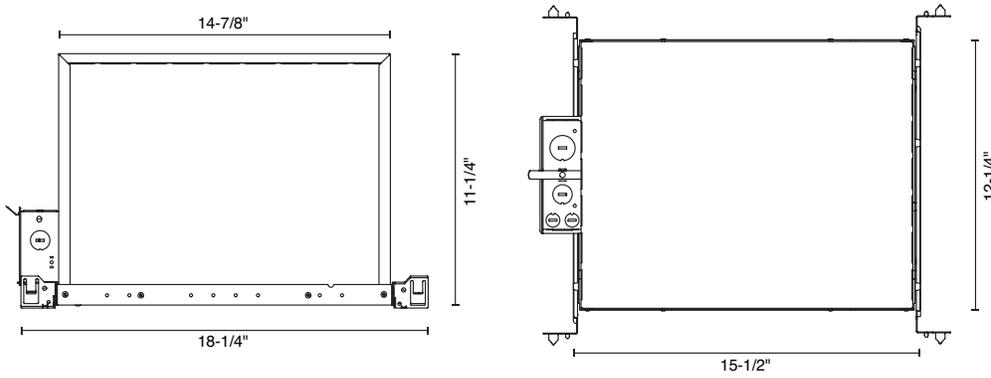


MOUNTING OPTIONS (CONTINUED)

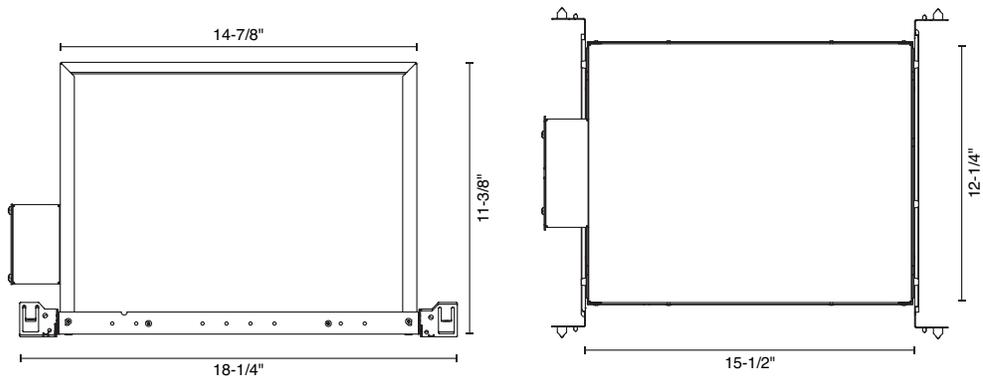
**RET - RETROFIT
TRIM/TRIMLESS**



**IC¹ - INSULATION CONTACT HOUSING
TRIM/TRIMLESS**



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



NOTES

- 1 Consult factory for smaller IC Housings when selecting lower lumen packages.



ENERGY STAR - ORDERING CODE

SERIES	NU4	
TYPE	QD square downlight QDT square downlight trimless QDTMW square downlight trimless millwork	
LED	XTM19 Xicato XTM 19mm	
DELIVERED LUMENS	10LM 860 lm 13LM 1120 lm	
CCT	27K 2700K 30K 3000K 35K 3500K 40K 4000K	
CRI	83 83 CRI 90 90 CRI	
REFLECTOR & LM MULTIPLIER	HE60 60° high efficiency diffused lens (0.97) HE80 80° high efficiency diffused lens (0.98) S60 60° specular with clear lens (1.00) WH80 80° brilliant white with clear lens (0.99)	
VOLTAGE	120 120V 277 277V	
DIMMING	DIM10 eldoLED flicker free 0-10V dimming to 1%	
MOUNTING OPTIONS	NC new construction with ceiling fitting plate IC insulation contact housing RET retrofit, no ceiling fitting plate ICAT insulation contact/airtight housing	
TRIM COLOR	WH white Not applicable to trimless option. Do not include in trimless ordering code.	
BEZEL COLOR	WH white	
ELECTRICAL OPTIONS	ES energy star	

ORDERING CODE

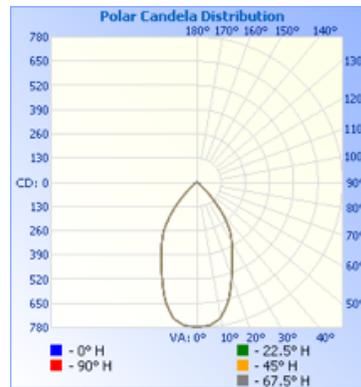
Follow the steps to specify your fixture, example:
NU4 - QD - XTM19 - 13LM - 27K - 90 - S60 - 120 - DIM10 - IC - WH - WH - ES

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	252.91	N.A.	32.80
0-30	459.52	N.A.	59.50
0-40	642.52	N.A.	83.20
0-60	744.53	N.A.	96.40
0-80	766.28	N.A.	99.20
0-90	768.79	N.A.	99.60
10-90	696.44	N.A.	90.20
20-40	389.61	N.A.	50.50
20-50	471.81	N.A.	61.10
40-70	115.41	N.A.	14.90
60-80	21.75	N.A.	2.80
70-80	8.36	N.A.	1.10
80-90	2.50	N.A.	0.30
90-110	2.02	N.A.	0.30
90-120	2.63	N.A.	0.30
90-130	2.97	N.A.	0.40
90-150	3.23	N.A.	0.40
90-180	3.37	N.A.	0.40
110-180	1.35	N.A.	0.20
0-180	772.16	N.A.	100.00

Zonal Lumen Summary

Zone	Lumens
0-10	72.35
10-20	180.56
20-30	206.61
30-40	183.00
40-50	82.20
50-60	19.81
60-70	13.39
70-80	8.36
80-90	2.50
90-100	1.15
100-110	0.88
110-120	0.60
120-130	0.35
130-140	0.15
140-150	0.11
150-160	0.08
160-170	0.05
170-180	0.02



Center Beam fc	Beam Width
1.7ft	268 fc 1.9 ft
3.3ft	71.0 fc 3.7 ft
5.0ft	30.9 fc 5.6 ft
6.7ft	17.2 fc 7.5 ft
8.3ft	11.2 fc 9.2 ft
10.0ft	7.74 fc 11.1 ft

■ Beam Spread: 58.2°