

JOB NAME

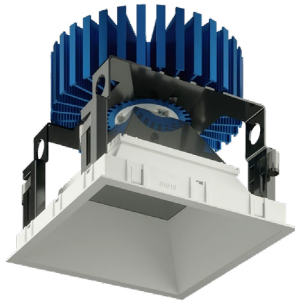
CONTACT

ORDERING CODE

NU6"

Square Downlight
Xicato

XICATO

eldoLED[®]
your product | our drive

DESCRIPTION

The NU6QD 6" 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. 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 and LiteOptics available, plus an optional high-efficiency BrightView diffused lens for smooth light distribution and obscured LED image.

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
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

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

XICATO XTM MODULE - ORDERING CODE



LM-79

SERIES	NU6	
TYPE	QD	square downlight
LED	XTM19	Xicato XTM 19mm
DELIVERED LUMENS	07LM	660 lm
	10LM	940 lm
	13LM	1220 lm
	20LM	1880 lm
	30LM	2820 lm
	40LM	3760 lm
	50LM	4600 lm
CCT	27K	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	83	83 CRI
	98 ¹	98 CRI
REFLECTOR & LM MULTIPLIER	HE70	70° high efficiency diffused lens (0.93)
	HE85	85° high efficiency diffused lens (0.96)
	S65	65° specular with clear lens (0.97)
	D70	70° diffused with clear lens (0.93)
	WH80	80° brilliant white with clear lens (1.00)
NO LENS OPTION	NL ⁴	no lens
VOLTAGE	120 UNV	120V 120V-277V
	DIMMING	DIM10⁵ DIM10Z⁵ DALI⁶ DALIZ⁵ DMXZ LTE⁸ LUT⁸ LUTP⁹ ELV⁶ 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	new construction with ceiling fitting plate
	IC ²	insulation contact housing
	ICAT ²	insulation contact/airtight housing
	CP ²	chicago plenum housing
	RET	retrofit, no ceiling fitting plate
TRIM COLOR	BK	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat
BEZEL COLOR	BK	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat
ELECTRICAL OPTIONS	EM7 ⁷	emergency battery backup, 90 minutes at 7W to LED
	EM12 ^{3,7}	emergency battery backup, 90 minutes at 12W to LED

ORDERING CODE

Follow the steps to specify your fixture, example:

NU6 - QD - XTM19 - 13LM - 35K - 98 - D70 - 120 - DIM10 - NC - WH - WH - EM7

XTM19 (LED)	POWER	
	W (83 CRI)	W (98 CRI)
DELIVERED LM		
660	10	11
940	12	15
1220	17	21
1880	26	33
2820	37	43
3760	49	N/A
4600	57	N/A

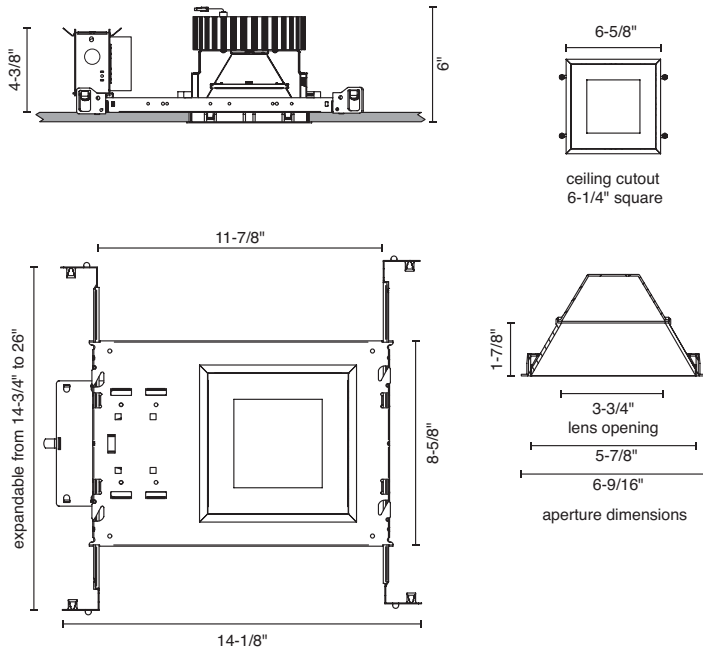
Power Factor ≥ 0.9

NOTES

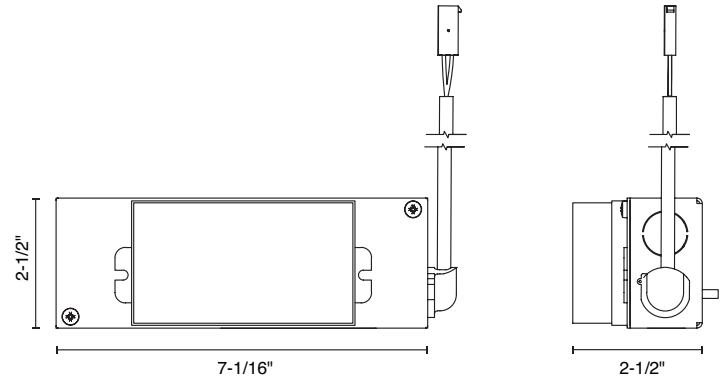
1. 98CRI not available for 40LM or 50LM.
2. IC/ICAT/CP not available for 40LM or 50LM.
3. EM12 not available for 83CRI in 07LM, 10LM or 13LM.
4. No lens option available for S65, D70 or WH80 and is damp location rated.
5. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
6. Triac/ELV dimming available for 83/98CRI in 10LM, 13LM, 20LM, & 83CRI only in 30LM. Dimmable to < 10% in 10LM, 13LM, 120V only. Dimmable to < 1% in 20LM, 30LM.
7. For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Test switch is mounted in the bezel of the fixture.
8. LTE/LUT not available in 40LM or 50LM.
9. LUTP not available in 20LM, 30LM, 40LM, or 50LM.

MOUNTING OPTIONS

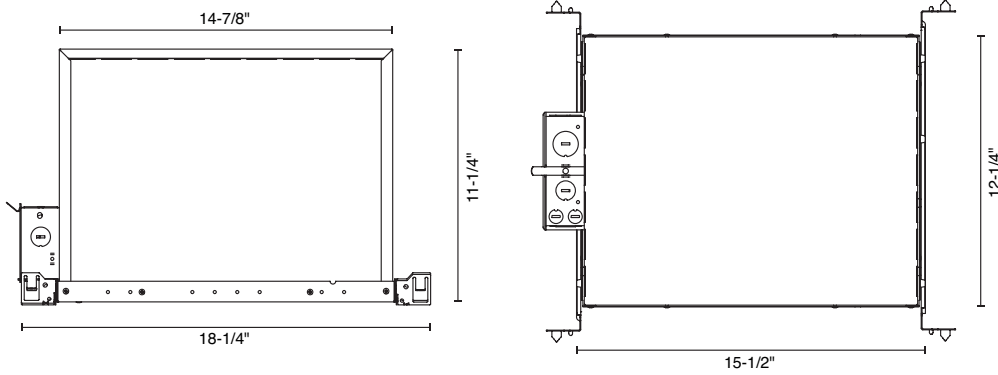
NC - NEW CONSTRUCTION



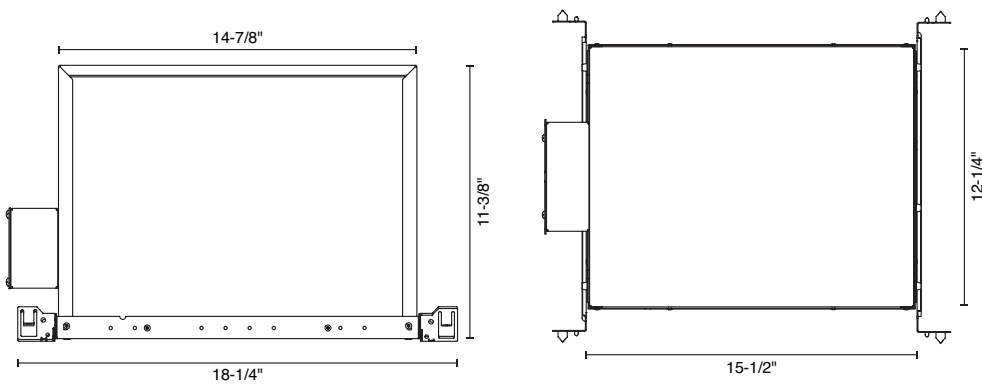
RET - RETROFIT



IC - INSULATION CONTACT HOUSING



CP - CHICAGO PLENUM ICAT - INSULATION CONTACT / AIR TIGHT





ENERGY STAR - ORDERING CODE

SERIES	NU6	
TYPE	QD	square downlight
LED	XTM19	Xicato XTM 19mm
DELIVERED LUMENS	10LM	940 lm
	13LM	1220 lm
	27LM	2311 lm
	30LM	2500 lm
	33LM	2737 lm
CCT	40LM	3330 lm
	27K	2700K
	30K	3000K
	35K	3500K
CRI	40K	4000K
	83	83 CRI
REFLECTOR & LM MULTIPLIER	90 ²	90 CRI
	HE70	70° high efficiency diffused lens (0.93)
	HE85	85° high efficiency diffused lens (0.96)
	S65	65° specular with clear lens (0.97)
	D70 ³	70° diffused with clear lens (0.93)
VOLTAGE	WH80	80° brilliant white with clear lens (1.00)
	120	120V
DIMMING	277	277V
	DIM10	eldoLED flicker free 0-10V dimming to 1%
MOUNTING OPTIONS	DIM10Z ⁴	eldoLED flicker free 0-10V dimming to 0%
	NC	new construction with ceiling fitting plate
	IC ¹	insulation contact housing
	ICAT ¹	insulation contact/airtight housing
TRIM COLOR	RET	retrofit, no ceiling fitting plate
	WH	white
BEZEL COLOR	WH	white
ELECTRICAL OPTIONS	ES	energy star

ORDERING CODE

Follow the steps to specify your fixture, example:

NU6 - QD - XTM19 - 13LM - 27K - 90 - S65 - 120 - DIM10 - IC - WH - WH - ES

NOTES

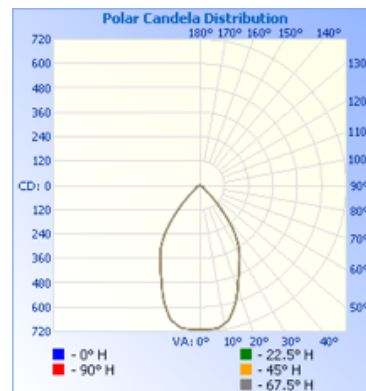
1. IC and ICAT only available for 10LM and 13LM.
2. 90CRI only available for 10LM and 13LM.
3. D70 only available for 27LM, 30LM, 33LM and 40LM.
4. DIM10Z not available for 10LM and 13LM.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	243.31	N.A.	31.30
0-30	454.13	N.A.	58.40
0-40	643.12	N.A.	82.80
0-60	746.94	N.A.	96.10
0-80	771.12	N.A.	99.20
0-90	773.75	N.A.	99.60
10-90	706.46	N.A.	90.90
20-40	399.80	N.A.	51.40
20-50	481.47	N.A.	62.00
40-70	119.57	N.A.	15.40
60-80	24.18	N.A.	3.10
70-80	8.43	N.A.	1.10
80-90	2.63	N.A.	0.30
90-110	1.99	N.A.	0.30
90-120	2.32	N.A.	0.30
90-130	2.62	N.A.	0.30
90-150	3.09	N.A.	0.40
90-180	3.36	N.A.	0.40
110-180	1.38	N.A.	0.20
0-180	777.12	N.A.	100.00

Zonal Lumen Summary

Zone	Lumens
0-10	67.29
10-20	176.02
20-30	210.82
30-40	188.99
40-50	81.66
50-60	22.16
60-70	15.74
70-80	8.43
80-90	2.63
90-100	1.30
100-110	0.69
110-120	0.33
120-130	0.30
130-140	0.26
140-150	0.21
150-160	0.15
160-170	0.09
170-180	0.03



Illuminance at a Distance		
Center Beam fc	Beam Width	
1.7ft	246 fc	2.2 ft
3.3ft	65.2 fc	4.2 ft
5.0ft	28.4 fc	6.3 ft
6.7ft	15.8 fc	8.5 ft
8.3ft	10.3 fc	10.5 ft
10.0ft	7.10 fc	12.7 ft
■ Beam Spread: 64.8°		