ALPHABET

Alphabet by Ledra Brands, Inc. | 88 Maxwell, Irvine, CA 92618 | PH: 714.259.9959 FAX: 714.259.9969 | AlphabetLighting.com

JOB NAME

CONTACT

ORDERING CODE

NU4"
Square Wall Wash
Xicato

XICATO

LUTRON OEM ADVANTAGE ACCOUNT

eldoLED — your product | our drive

Trim

Trimless

Trimless Millwork
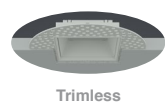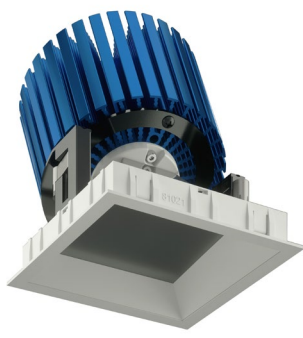
DESCRIPTION

The NU4QW 4" recessed wall wash 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. An asymmetric reflector with a highly-efficient BrightView angle-bending lens produces excellent wall washing with no scalloping.

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		
Trim	1/8" to 1-1/4"	4-1/4" square	New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Trimless	3/8" to 1-3/4"	4-1/2" square	Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	Extends a pair of Bar Hangers Total Mounting Length: 29" to 48"
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: L_{90} > 55,000 hrs

see page 5 — ENERGY STAR — made in the USA — Qship — LM-79

XICATO XTM MODULE - ORDERING CODE

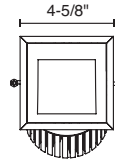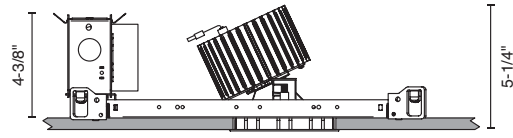| SERIES	NU4	
TYPE	**QW**	square wall wash
	QWT	square wall wash trimless
	QWTMW	square wall wash trimless millwork
LED	**XTM19**	Xicato XTM 19mm
DELIVERED LUMENS	**07LM**	560 lm
	10LM	770 lm
	13LM	1030 lm
	20LM	1530 lm
	30LM	2445 lm
	40LM	3290 lm
CCT	**27K**	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	**83**	83 CRI
	98[1]	98 CRI
REFLECTOR	**WW**	wall wash with diffused angle bending lens
VOLTAGE	**120**	120V
	UNV	120V-277V
DIMMING	**DIM10**[4]	eldoLED flicker free 0-10V dimming to 1%
	DIM10Z[4]	eldoLED flicker free 0-10V dimming to 0%
	DALI[4]	eldoLED flicker free DALI dimming to 1%
	DALIZ[4]	eldoLED flicker free DALI dimming to 0%
	DMXZ	DMX dim to zero
	LTE[6]	Lutron Hi-lume 2-Wire (Triac) dimming to 1%
	LUT[6]	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black
	LUTP[7]	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV[5]	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
		Not applicable to trimless option. Do not include in trimless ordering code.
BEZEL COLOR	**BK**	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat
ELECTRICAL OPTIONS	**EM7**	emergency battery backup, 90 minutes at 7W to LED
	EM12[3]	emergency battery backup, 90 minutes at 12W to LED

ORDERING CODE

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

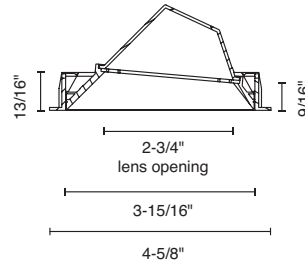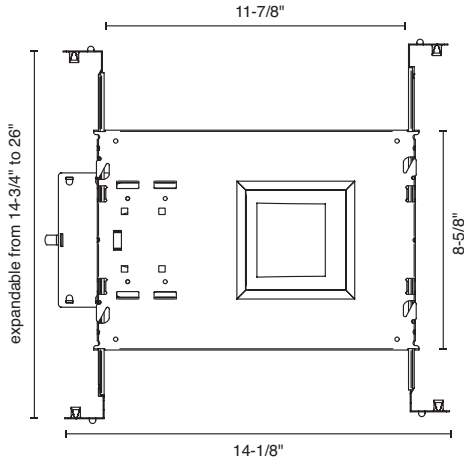| XTM19 (LED)	POWER	
DELIVERED LM	**W (83 CRI)**	**W (98 CRI)**
560	8	10
770	11	13
1030	14	18
1530	21	28
2445	34	42
3290	46	N/A

Power Factor ≥ 0.9

NOTES
1. 98CRI not available for 40LM.
2. IC/ICAT/CP not available for 98CRI in 30LM or 83/98CRI in 40LM.
3. EM12 not available for 83CRI in 07LM, 10LM or 13LM.
4. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
5. 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.
6. LTE/LUT not available in 40LM.
7. LUTP not available in 20LM, 30LM, or 40LM.

100061

ALPHABET

Alphabet by Ledra Brands, Inc. | 88 Maxwell
Irvine, CA 92618 | PH: 714.259.9959
FAX: 714.259.9969 | AlphabetLighting.com

MOUNTING OPTIONS

NC - NEW CONSTRUCTION
TRIM

4-3/8"

5-1/4"

4-5/8"

ceiling cutout
4-1/4" square

11-7/8"

expandable from 14-3/4" to 26"

8-5/8"

14-1/8"

13/16"

9/16"

2-3/4"
lens opening

3-15/16"

4-5/8"

aperture dimensions

NC - NEW CONSTRUCTION
TRIMLESS

4-3/8"

5-1/4"

ceiling cutout
4-1/2" square

11-7/8"

expandable from 14-3/4" to 26"

8-5/8"

14-1/8"

13/16"

9/16"

2-3/4"
lens opening

3-15/16"

aperture dimensions

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. | v.4.7.22 | NU4QW | Page 2 of 5

100061

ΛLPHABET

Alphabet by Ledra Brands, Inc.

88 Maxwell
Irvine, CA 92618

PH: 714.259.9959
FAX: 714.259.9969

AlphabetLighting.com
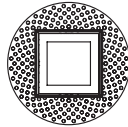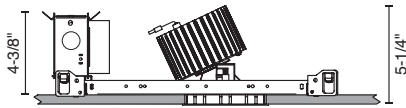
MOUNTING OPTIONS (CONTINUED)

TRIMMED

4-5/8"

13/16" 9/16"

2-3/4"
lens opening

3-15/16"

4-5/8"
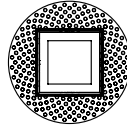aperture dimensions
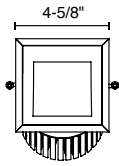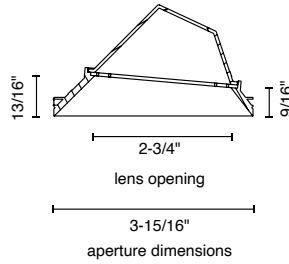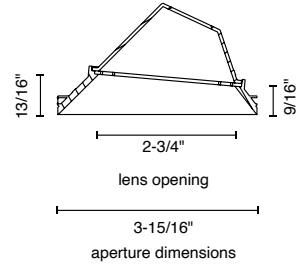
ceiling cutout
4-1/4" square

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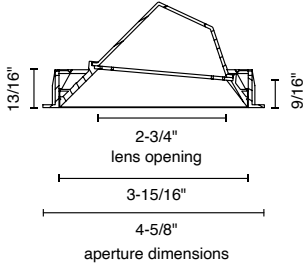
TRIMLESS

ceiling cutout
4-1/2" square

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

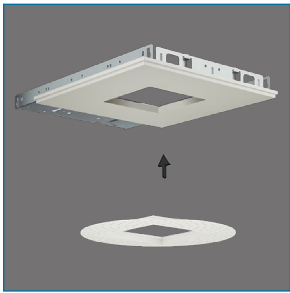13/16" 9/16"
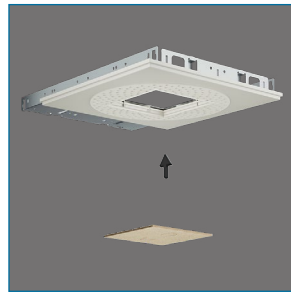
2-3/4"
lens opening

3-15/16"
aperture dimensions

MILLWORK

ceiling cutout
4-1/4" square

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

13/16" 9/16"

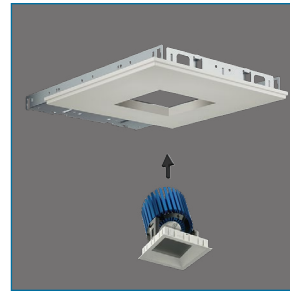2-3/4"
lens opening

3-15/16"
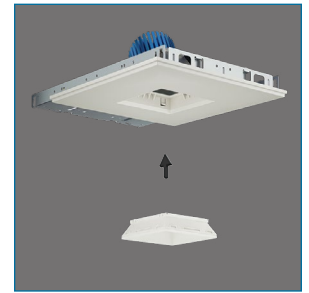aperture dimensions

TRIMLESS

1. Fasten mud frame to ceiling.

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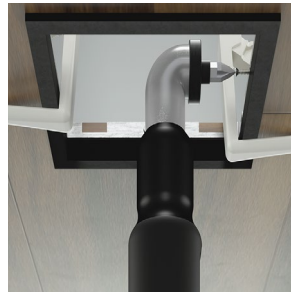

3. Install LED assembly.

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.

100061

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.

v.4.7.22 | NU4QW | Page 3 of 5

ΛLPHABET

Alphabet by Ledra Brands, Inc. | 88 Maxwell
Irvine, CA 92618 | PH: 714.259.9959
FAX: 714.259.9969 | AlphabetLighting.com

MOUNTING OPTIONS (CONTINUED)

RET - RETROFIT
TRIM/TRIMLESS

2-1/2"

7-1/16"

2-1/2"
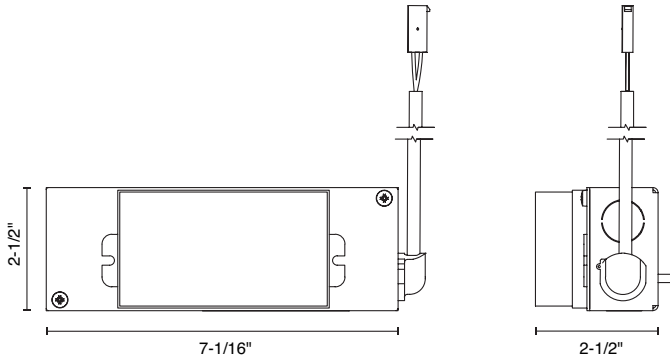
IC[1] - INSULATION CONTACT HOUSING
TRIM/TRIMLESS

14-7/8"

11-1/4"

18-1/4"

12-1/4"

15-1/2"
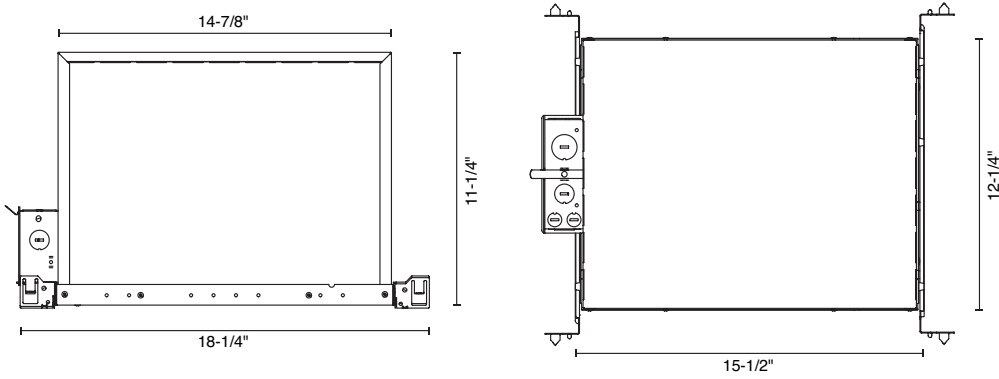
CP - CHICAGO PLENUM
ICAT - INSULATION CONTACT / AIR TIGHT
TRIM/TRIMLESS

14-7/8"

11-3/8"

18-1/4"

12-1/4"

15-1/2"
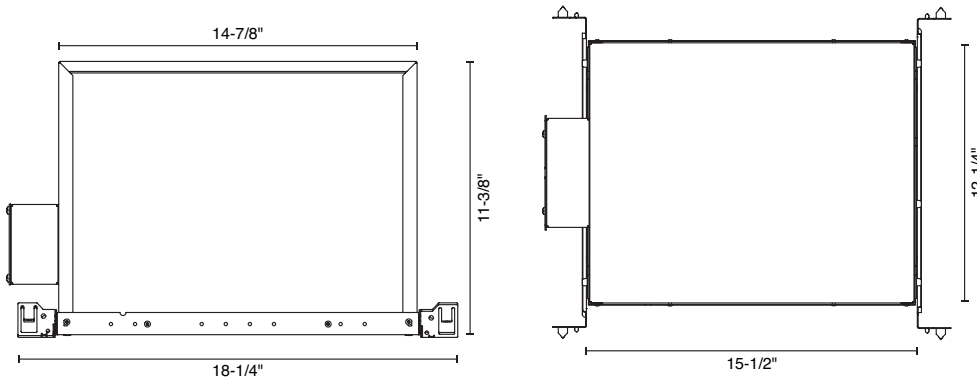
NOTES

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

100061

ALPHABET

ENERGY STAR - ORDERING CODE

SERIES	NU4	
TYPE	QW QWT QWTMW	square wall wash square wall wash trimless square wall wash trimless millwork
LED	XTM19	Xicato XTM 19mm
DELIVERED LUMENS	10LM 13LM 27LM 30LM 33LM 40LM	820 lm 1070 lm 2311 lm 2500 lm 2737 lm 3330 lm
CCT	27K 30K 35K 40K	2700K 3000K 3500K 4000K
CRI	83[2] 90[2]	83 CRI 90 CRI
REFLECTOR & LM MULTIPLIER	WW	wall wash with diffused angle bending lens
VOLTAGE	120 277	120V 277V
DIMMING	DIM10 DIM10Z[3]	eldoLED flicker free 0-10V dimming to 1% eldoLED flicker free 0-10V dimming to 0%
MOUNTING OPTIONS	NC IC[1] ICAT[1] RET	new construction with ceiling fitting plate insulation contact housing insulation contact/airtight housing retrofit, no ceiling fitting plate
TRIM COLOR	WH	white Not applicable to trimless option. Do not include in trimless ordering code.
BEZEL COLOR	WH	white
ENERGY STAR	ES	energy star

ORDERING CODE

Follow the steps to specify your fixture, example:
**NU4 - QW - XTM19 - 13LM - 27K - 90 - WW - 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. DIM10Z not available for 10LM and 13LM.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	194.83	N.A.	15.00
0-30	423.91	N.A.	32.60
0-40	703.20	N.A.	54.10
0-60	1172.05	N.A.	90.20
0-80	1293.15	N.A.	99.60
0-90	1298.9	N.A.	100.00
10-90	1249.47	N.A.	96.20
20-40	508.37	N.A.	39.10
20-50	780.16	N.A.	60.10
40-70	561.12	N.A.	43.20
60-80	121.10	N.A.	9.30
70-80	28.83	N.A.	2.20
80-90	5.74	N.A.	0.40
90-110	0.09	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.09	N.A.	0.00
90-150	0.09	N.A.	0.00
90-180	0.09	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1298.99	N.A.	100.00

Zonal Lumen Summary

Zone	Lumens
0-10	49.43
10-20	145.40
20-30	229.08
30-40	279.29
40-50	271.80
50-60	197.06
60-70	92.27
70-80	28.83
80-90	5.74
90-100	0.09
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Polar Candela Distribution

- 0° H
- 90° H
- 22.5° H
- 45° H
- 67.5° H
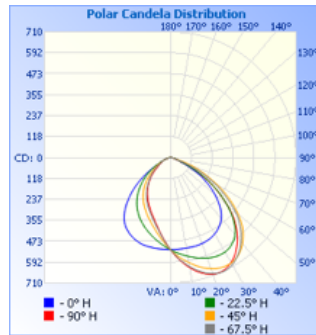
Illuminance at a Distance	Center Beam fc	Beam Width	
1.7ft	180 fc	3.8 ft	2.3 ft
3.3ft	47.7 fc	7.4 ft	4.5 ft
5.0ft	20.8 fc	11.2 ft	6.9 ft
6.7ft	11.6 fc	15.0 ft	9.2 ft
8.3ft	7.54 fc	18.6 ft	11.4 ft
10.0ft	5.20 fc	22.5 ft	13.8 ft

Vert. Spread: 96.6°
Horiz. Spread: 69.1°