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NU6

6" Round Downlight XICATO

XICATO
LUTRON OEM ADVANTAGE ACCOUNT
eldoLED your product | our drive

DESCRIPTION

The NU6RD 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 2"	6-3/8" 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

- SDCM = 1X2 MacAdam Ellipse, Duv +/- 0.001, Lumen Maintenance: L_{90} > 55,000 hrs

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XICATO XTM MODULE - ORDERING CODE   LM-79

SERIES	NU6	
TYPE	RD	round downlight
LED	XTM19	XICATO XTM 19mm
DELIVERED LUMENS	07LM 10LM 13LM 20LM 30LM 40LM 50LM	550 lm 770 lm 1025 lm 1620 lm 2560 lm 3410 lm 4595 lm
CCT	27K 30K 35K 40K	2700K 3000K 3500K 4000K
CRI	83 98[1]	83 CRI 98 CRI
REFLECTOR & LM MULTIPLIER	HE40 HE60 HE80 S20 S35 S55 D35 D50 D65 WH80	40° high efficiency diffused lens (0.97) 60° high efficiency diffused lens (0.97) 80° high efficiency diffused lens (0.90) 20° specular with clear lens (1.00) 35° specular with clear lens (0.99) 55° specular with clear lens (0.98) 35° diffused with clear lens (0.93) 50° diffused with clear lens (0.89) 65° diffused with clear lens (0.88) 80° brilliant white with clear lens (0.94) 10° narrow beam angle, see page 2 for details.
NO LENS OPTION	NL[4]	no lens
ACCESSORIES	HCL[11]	honeycomb louver
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	DIM10[5] DIM10Z[5] DALI[5] DALIZ[5] DMXZ LTE[8] LUT[8] LUTP[9] ELV[7]	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
BEZEL COLOR	BK WH MC BZ WT	black white matte chrome bronze wheat
ELECTRICAL OPTIONS	EM7[6] EM12[3,6]	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:
NU6 - RD - XTM19 - 13LM - 35K - 98 - D50 - 120 - DIM10 - NC - WH - WH - EM7

XTM19 (LED)	POWER	
DELIVERED LM	**W (83 CRI)**	**W (98 CRI)**
550	8	11
770	11	15
1025	15	21
1620	28	29
2560	35	42
3410	49	N/A
4595	55	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 S20, S35, S55, D35, D50, D65, 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. For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Test switch is mounted in the bezel of the fixture.
7. 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.
8. LTE/LUT not available in 40LM or 50LM.
9. LUTP not available in 20LM, 30LM, 40LM, or 50LM.
10. 347V not available in 40LM and 50LM. DIM10 offered in 347V using a dedicated 347V Osram 0-10V 1% Driver except for 30LM 98CRI. For 30LM 98CRI and all other dimming options 347V is offered using a miniature Step-Down Transformer integrated within the Electrical Box. Triac and ELV dimming are not available.
11. [Note 11 text]

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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.12.11.24   NU6RD   Page 1 of 3

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10° NARROW BEAM - ORDERING CODE

SERIES	NU6	
TYPE	RD	round downlight
LED	XTM09	Xicato XTM 9mm
DELIVERED LUMENS	07LM 10LM 13LM 20LM	625 lm 865 lm 1160 lm 1690 lm
CCT	27K 30K 35K 40K	2700K 3000K 3500K 4000K
CRI	83 98[1]	83 CRI 98 CRI
REFLECTOR	S10	10° specular with clear lens
NO LENS OPTION	NL	no lens
ACCESSORIES	HCL[7]	honeycomb louver
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	DIM10[4] DIM10Z[4] DALI[4] DALIZ[4] DMXZ LTE LUT LUTP[6] ELV[5]	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% flicker free DMX dimming to 0% 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
BEZEL COLOR	BK WH MC BZ WT	black white matte chrome bronze wheat
ELECTRICAL OPTIONS	EM7 EM12[3]	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:
NU6 - RD - XTM09 - 20LM - 30K - 83 -S10 - 120 - DALIZ - NC - WH - WH - EM7

XTM09 (LED)	POWER	
DELIVERED LM	**W (83 CRI)**	**W (98 CRI)**
625	11	15
865	15	20
1160	21	32
1690	37	N/A

Power Factor ≥ 0.9

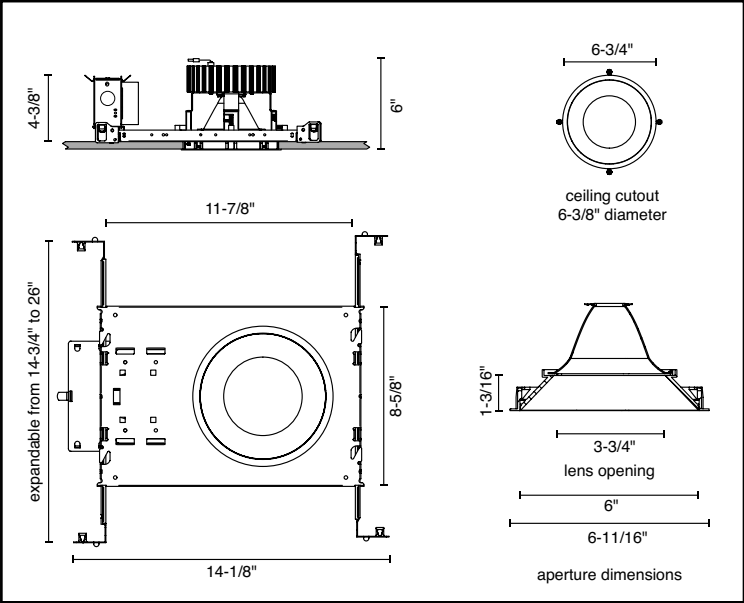**NOTES**
1. 98CRI not available for 20LM.
2. IC/ICAT/CP not available for 98CRI in 20LM.
3. EM12 not available for 83CRI in 07LM or 10LM.
4. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
5. Triac/ELV dimming to <1% in 120V only.
6. LUTP not available in 13LM or 20LM.
7. HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.
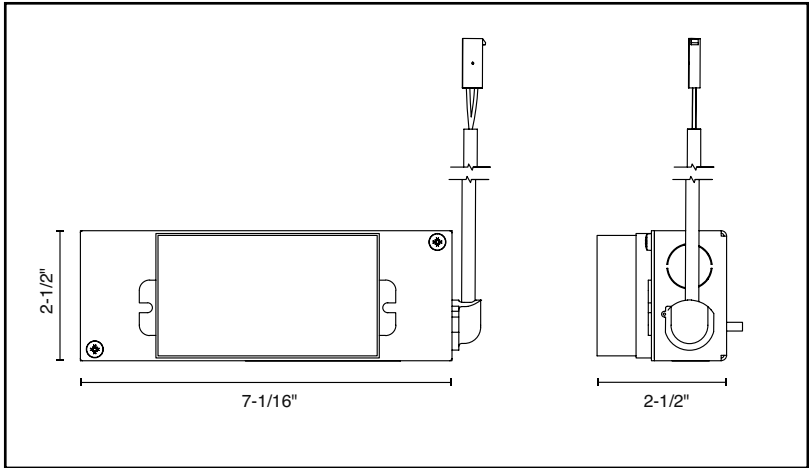
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MOUNTING OPTIONS

NC - NEW CONSTRUCTION

4-3/8"
6"
11-7/8"
expandable from 14-3/4" to 26"
8-5/8"
14-1/8"

6-3/4"
ceiling cutout
6-3/8" diameter

1-3/16"
3-3/4"
lens opening
6"
6-11/16"
aperture dimensions

RET - RETROFIT

2-1/2"
7-1/16"
2-1/2"

IC - INSULATION CONTACT HOUSING

14-7/8"
11-1/4"
18-1/4"
12-1/4"
15-1/2"
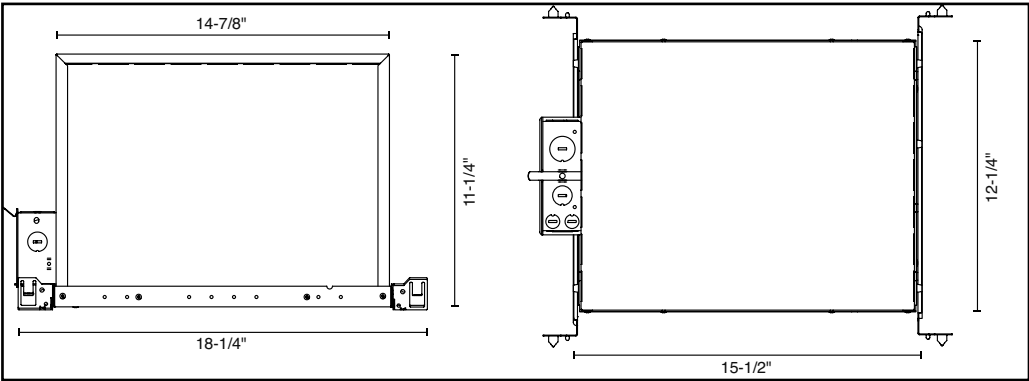
CP - CHICAGO PLENUM
ICAT - INSULATION CONTACT / AIR TIGHT

14-7/8"
11-3/8"
18-1/4"
12-1/4"
15-1/2"

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