ALPHABET

LM-79

JOB NAME	
CONTACT	
ORDERING CODE	

ECO NU6" — Square Downlight

COB LUTRON OEM ADVANTAGE ACCOUNT eldoLED *your product | our drive*

ORDERING CODE

SERIES	NU6	
TYPE	QD	square downlight
LED	SW	static white

DELIVERED LUMENS	07LM	715 lm
	10LM	920 lm
	13LM	1100 lm
	15LM	1200 lm
	20LM	1720 lm
	25LM	2150 lm
	30LM	2585 lm
	40LM	3320 lm
	50LM	4150 lm

Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]
Standard Configuration: 3000K 80CRI WH80

CCT

		CCT	2200K		2700K		3000K		3500K		4000K		5000K	
22K	2200K	CRI	80+	90+	80+	90+	80+	90+	80+	90+	80+	90+	80+	90+
27K	2700K														
30K	3000K														
40K	4000K														
35K	3500K	CCT MULTIPLIER FOR LUMEN OUTPUT	0.85	N/A	0.96	0.81	1.00	0.84	1.01	0.85	1.03	0.87	1.04	N/A
50K	5000K														

CRI	80	80 CRI
	90[1]	90 CRI

REFLECTOR & LM MULTIPLIER	HE75	75° high efficiency diffused lens (0.94)
	HE85	85° high efficiency diffused lens (0.98)
	D75	75° diffused with clear lens (0.98)
	WH80	80° brilliant white with clear lens (1.00)

NO LENS OPTION	NL[3]	no 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[5,9]	Lutron Hi-lume 2-Wire (Triac) dimming to 1%
	LUT[7]	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black
	LUTP[8]	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV[5,9]	leading & trailing edge (Triac/ELV) dimming to < 10%
	ELV1[5,9]	leading & trailing edge (Triac/ELV) dimming to 1%

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[6]	emergency battery backup, 90 minutes at 7 watts to LED
	EM12[6]	emergency battery backup, 90 minutes at 12 watts to LED

DESCRIPTION

The EcoNU6QD is an economical and highly efficient spec grade 6" recessed downlight with 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 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

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 49,500 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 49,500 hrs

ORDERING CODE

Follow the steps to specify your fixture, example:
NU6 - QD - SW - 30LM - 35K - 90 - WH80 - 120 - DIM10 - NC - WH - WH - EM7

| SW (LED)	POWER
DELIVERED LM	**W (80/90 CRI)**
715	8
920	10
1100	12
1200	14
1720	17
2150	20
2585	26
3320	33
4150	43

Power Factor ≥ 0.9

NOTES
1. 90 CRI not available in 2200K or 5000K.
2. IC/ICAT/CP not available in 50LM.
3. "No lens" option available for D75, WH80, and is damp location rated.
4. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
5. Triac/ELV dimming and LTE available in 120V only.
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. LUT not available in 50LM.
8. LUTP not available in 25LM, 30LM, 40LM or 50LM.
9. ELV, ELV1 and LTE not available in 07LM or 50LM.

100195

ΛLPHABET

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

4-3/8"

6"

11-7/8"

expandable from 14-3/4" to 26"

8-5/8"

14-1/8"

RET - RETROFIT

6-5/8"

ceiling cutout
6-1/4" square

1-7/8"

3-3/4"
lens opening

5-7/8"

6-9/16"

aperture dimensions

2-1/2"

7-1/16"

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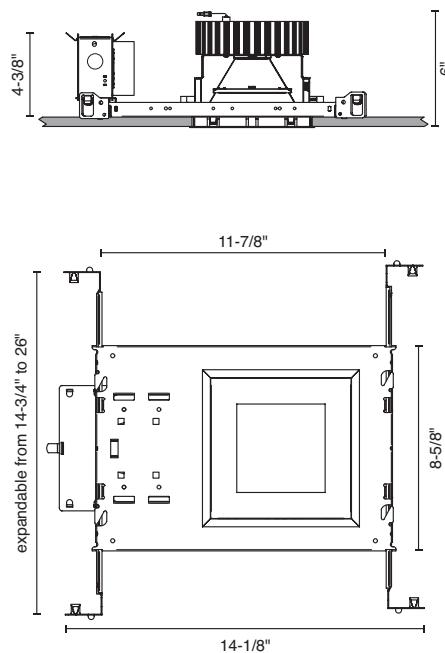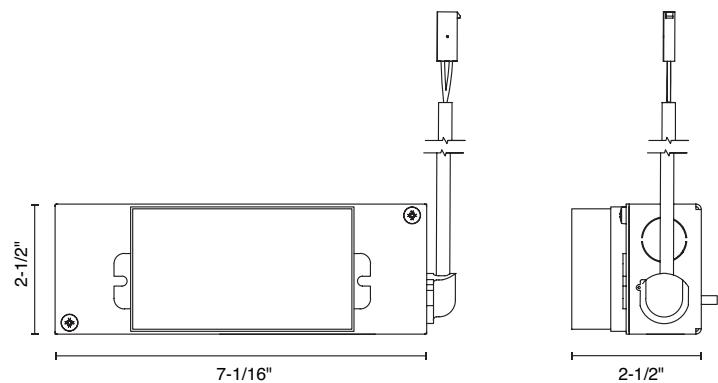
IC[1] - INSULATION CONTACT HOUSING

14-7/8"

11-1/4"

18-1/4"

12-1/4"

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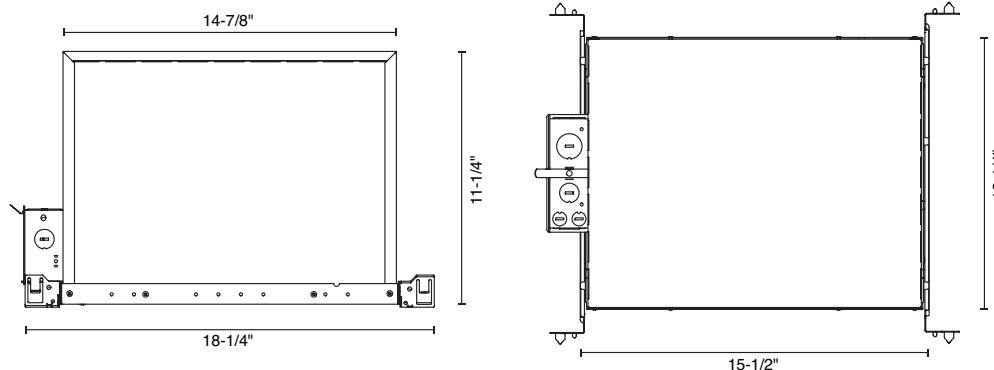
CP - CHICAGO PLENUM
ICAT - INSULATION CONTACT / AIR TIGHT

14-7/8"

11-3/8"

18-1/4"

12-1/4"

15-1/2"
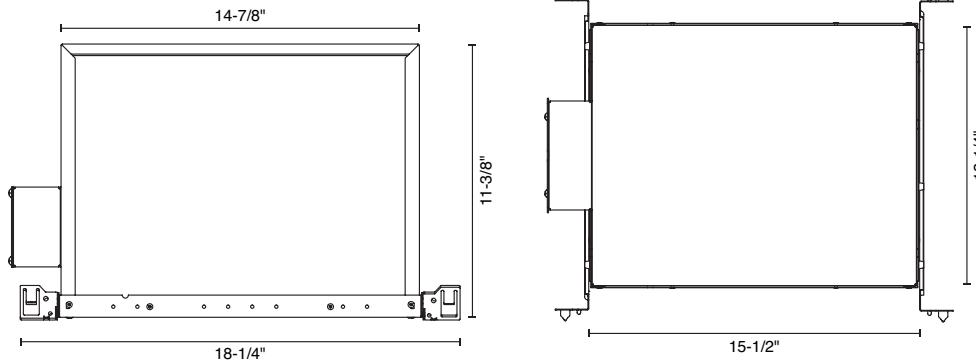
NOTES

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

100195

v.4.5.22 | EcoNU6QD | Page 2 of 2