



JOB NAME _____

CONTACT _____

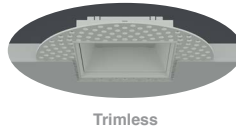
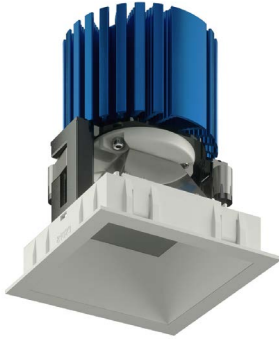
ORDERING CODE _____

NU3" Square Downlight SunLike

SunLike



eldoLED²
your product | our drive



DESCRIPTION

The NU3QD-SUN 3" recessed downlight by ALPHABET produces a spectrum that mimics natural sunlight for high quality light with Human Centric benefit and high EML ratios. Offered standard with premium dimming using EldoLED 1% flicker free drivers 120V-277V universal voltage. Also offered 347V. 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 1-1/4"	3-1/4" 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"	3-1/2" 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

- Seoul Semiconductor SunLike Acrich MJT COB:
97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L₇₀ > 49,500 hrs

ORDERING CODE

SERIES	NU3							
TYPE	QD QDT	square downlight square downlight trimless						
LED	SUN	SunLike (Seoul Semiconductor)						
DELIVERED LUMENS	07LM	610 lm						
	10LM	915 lm						
	13LM	1135 lm						
	20LM	1685 lm						
	Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier] Standard Configuration: 3000K WH80							
CCT	27K	2700K	CCT MULTIPLIER FOR LUMEN OUTPUT	2700K	3000K	3500K	4000K	5000K
	30K	3000K		0.96	1.00	1.03	1.08	1.14
	35K	3500K	EML RATIO ⁵	N/A	0.57	0.67	0.76	0.87
	40K	4000K						
	50K	5000K						
CRI	97	97 CRI						
REFLECTOR & LM MULTIPLIER	HE60	60° high efficiency diffused lens (0.96)						
	HE70	70° high efficiency diffused lens (0.90)						
	HE80	80° high efficiency diffused lens (0.94)						
	D70	70° diffused with clear lens (0.95)						
	WH80	80° brilliant white with clear lens (1.00)						
NO LENS OPTION	NL ²	no lens						
VOLTAGE	120	120V						
	UNV	120V-277V						
	347 ⁷	347V						
DIMMING	DIM10 ³	eldoLED flicker free 0-10V dimming to 1%						
	DIM10Z ³	eldoLED flicker free 0-10V dimming to 0%						
	DALI ³	eldoLED flicker free DALI dimming to 1%						
	DALIZ ³	eldoLED flicker free DALI dimming to 0%						
	DMXZ	flicker free DMX dimming to 0%						
	LUT ⁶	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						
LUTP ⁶	Lutron Hi-lume Premier EcoSystem dimming to 0.1%, Soft-on & Fade-to-Black							
ELV ⁴	leading & trailing edge (Triac/ELV) dimming to < 10% leading & trailing edge (Triac/ELV) dimming to 1%							
ELV1 ⁴	leading & trailing edge (Triac/ELV) dimming to 1%							
MOUNTING OPTIONS	NC	new construction with ceiling fitting plate						
	IC ¹	insulation contact housing						
	ICAT ¹	insulation contact/airtight housing						
	CP ¹	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 7 watts to LED						
	EM12	emergency battery backup, 90 minutes at 12 watts to LED						

ORDERING CODE

Follow the steps to specify your fixture, example:

NU3 - QD - SUN - 13LM - 35K - 97 - WH80 - 120 - DIM10 - NC - WH - WH - EM7

SEOUL (LED)	POWER
DELIVERED LM	W (97CRI)
610	9
915	13
1135	16
1685	26

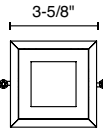
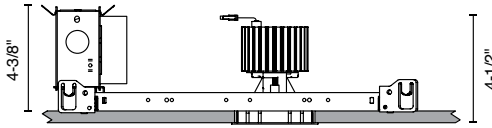
Power Factor ≥ 0.9

NOTES

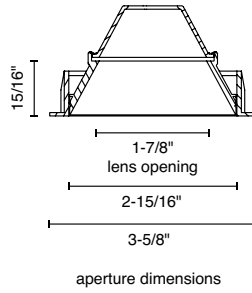
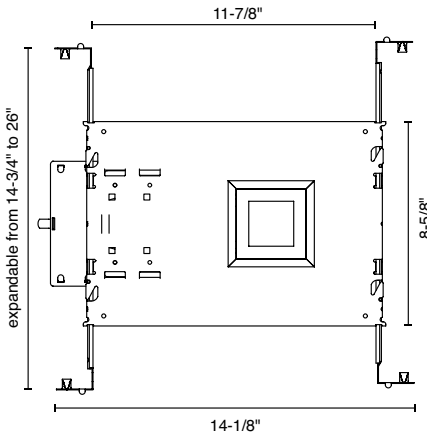
1. IC/ICAT/CP not available in 20LM.
2. No Lens option available for D70 or WH80 and is damp location rated.
3. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
4. Triac/ELV dimming available in 120V only.
5. EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML ratio for the given CCT. Example: 264 lux x 0.76 = 200 melanopic lux at 4000K.
6. LUT/LUTP not available in 20LM.
7. DIM10 offered in 347V using a dedicated 347V Osram 0-10V 1% Driver. All other dimming option are offered in 347V using a miniature Step-Down Transformer integrated with the Electrical Box. Triac and ELV dimming are not available.

MOUNTING OPTIONS

NC - NEW CONSTRUCTION TRIM

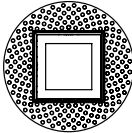
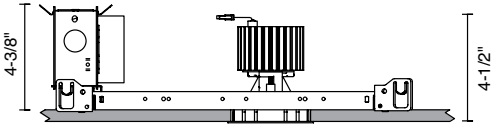


ceiling cutout
3-1/4" square

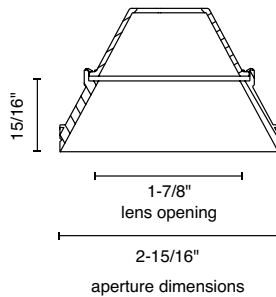
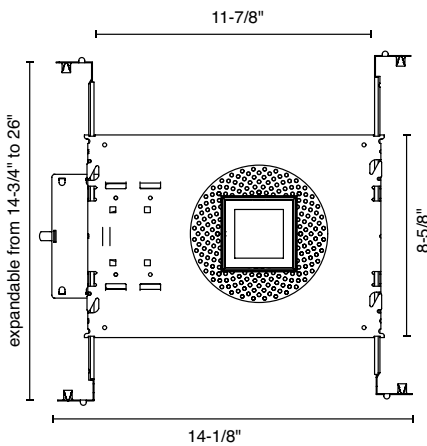


aperture dimensions

NC - NEW CONSTRUCTION TRIMLESS



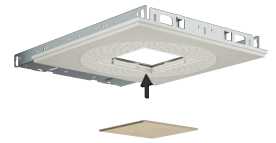
ceiling cutout
3-1/2" square



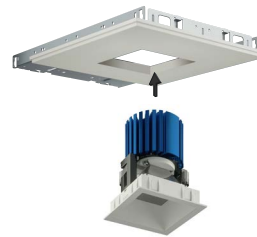
aperture dimensions



1. Fasten mud frame to ceiling.



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



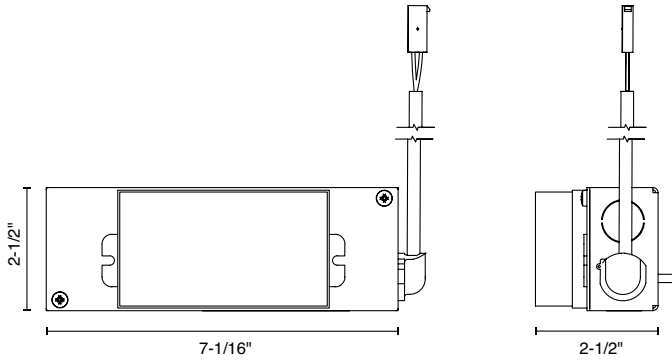
3. Install LED assembly.



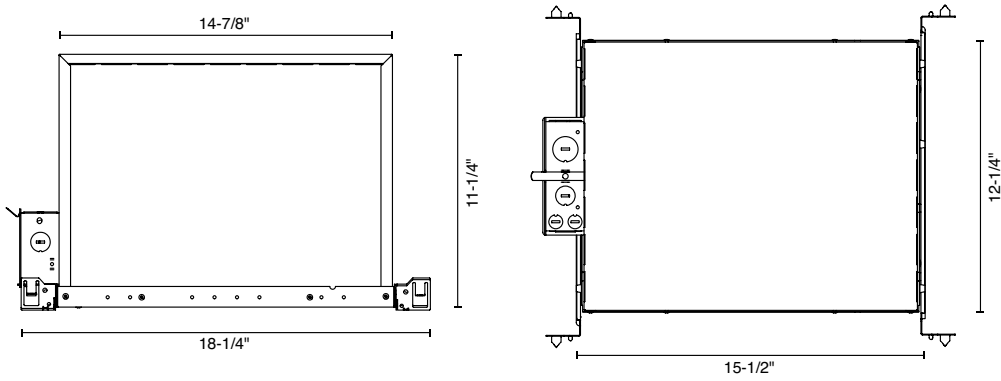
4. Install bezel.

MOUNTING OPTIONS (CONTINUED)

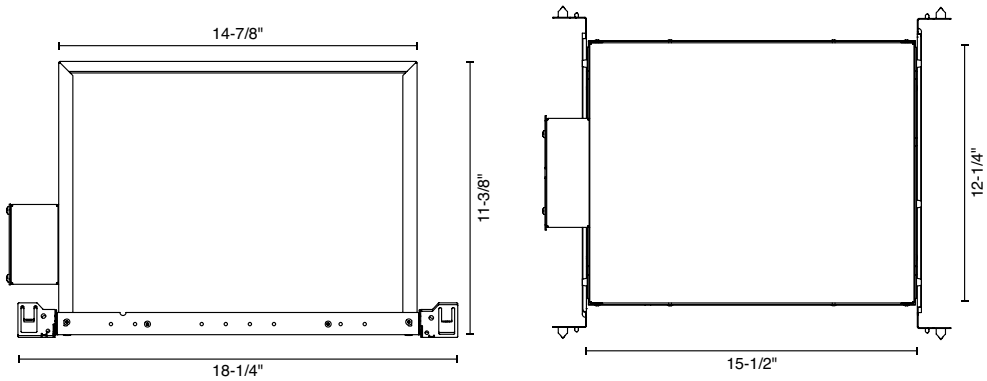
**RET - RETROFIT
TRIM/TRIMLESS**



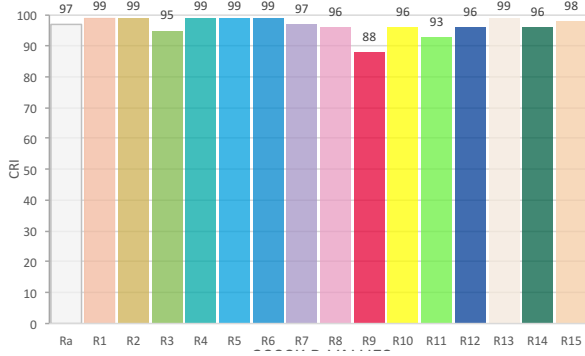
**IC - INSULATION CONTACT HOUSING
TRIM/TRIMLESS**



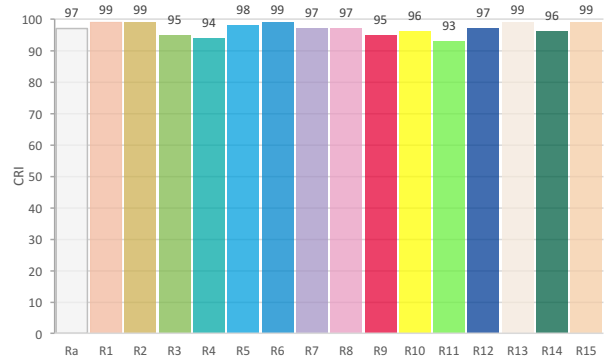
**CP - CHICAGO PLENUM
ICAT - INSULATION CONTACT / AIR TIGHT
TRIM/TRIMLESS**



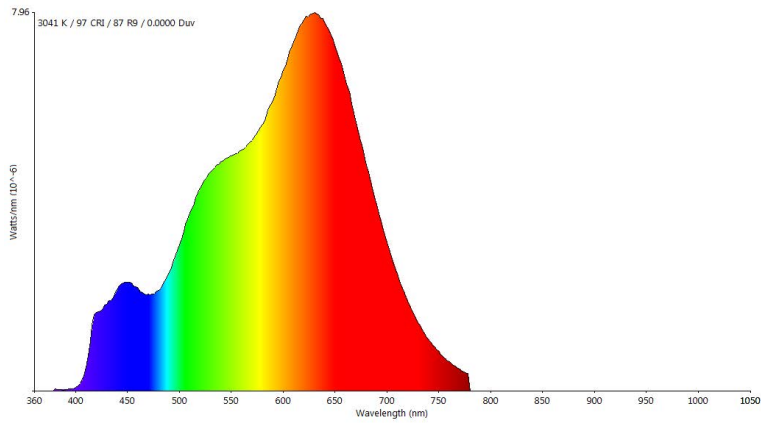
SPECTRUM DATA



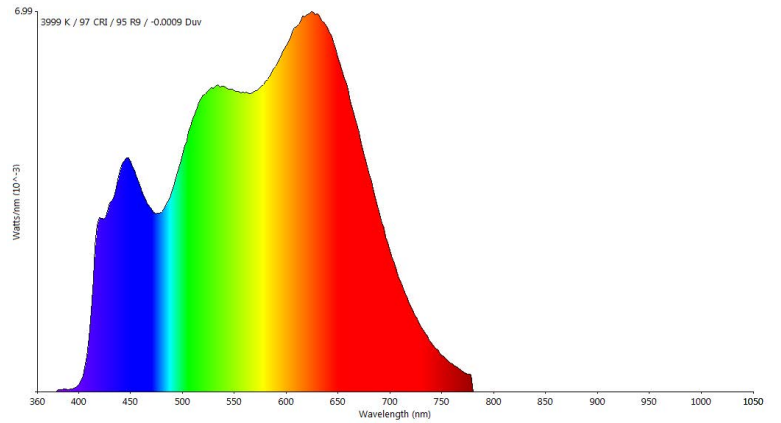
3000K R-VALUES



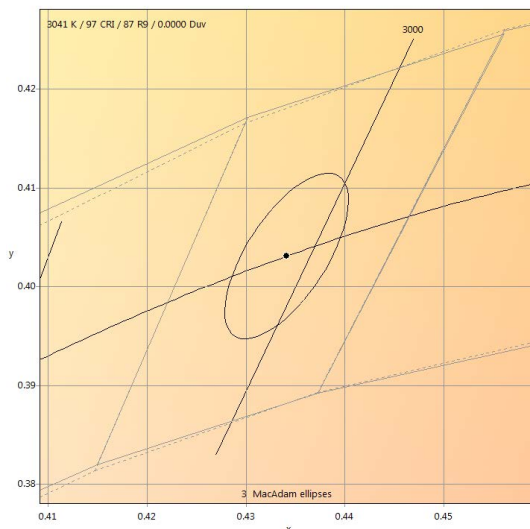
4000K R-VALUES



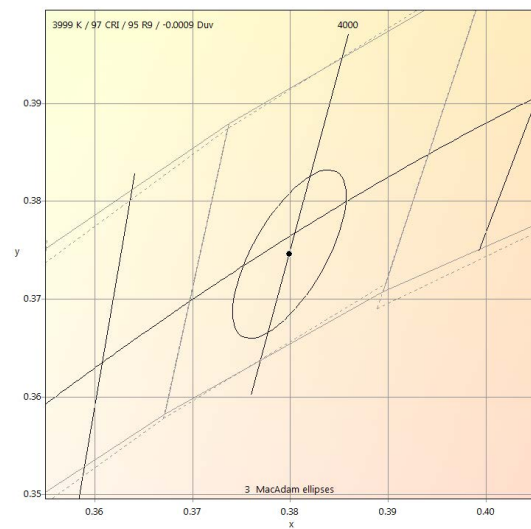
SUNLIKE 3000K SPECTRUM



SUNLIKE 4000K SPECTRUM



3000K CIE



4000K CIE