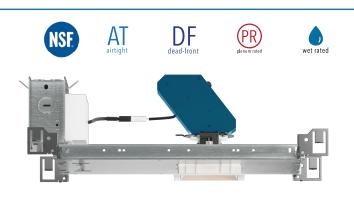
NU3

3" Square Downlight Standard White









DIMMING AND CONTROLS

• Lutron Hi-lume 0.1% Ecosystem

Casambi bluetooth dimming to 1.0%

NLight control interface dimming to 0%

- Lutron athena wireless node

LISTING



LED LIGHT

ENGINE

10LM

60° - 80° BEAM

(Note: Specifications are subject to change without notice) 14mm COB PERFORMANCE DATA

NOMINAL DELIVERED

LUMENS

855LM @30K/80CRI

اله eldoLED LUTRON 0EM nLight



FEATURES

- 3/4" bezel regress with 1/16" micro flange
- 60°- 80° optical beam control
- UGR < 21
- Up to 103 LPW
- Glare control, specialty optics, trim options, and custom finishes available
- · Microban[®] antimicrobial finish available on all exposed painted surfaces

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66.000 hrs
- . IP65 with lens Suitable for wet locations with lens Suitable for damp locations without lens

ULus Listed to UL1598 & UL2108: cUL Listed to CSA C22.2 #250.0

eldoLED flicker free 0-10V dimming to 0% and 1%

- eldoLED flicker free DALI dimming to 0% and 1%

. Leading & trailing edge (Triac/ELV) dimming to 1%

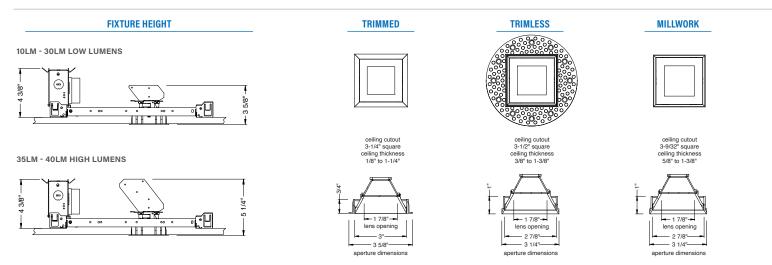
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

CONSTRUCTION

- Lexan[™] (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless BLE signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-3/8"

ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)



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

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.

PROJECT INFORMATION						
JOB NAME		ТҮРЕ				
ORDERING CODE						

SYSTEM WATTAGE

9W

12W

16W

20W

24W

28W

32W

9W

12W

16W

20W

24W

28W

32W

PROJECT INFORMATION						
JOB NAME		ТҮРЕ				
ORDERING CODE						

CCT Stork S		60	°- 80° BEA	M ORDERING	COD	E							
TYPE QUT square downlight trimless LED SW standard white DELIVERED SW standard white DELIVERED 15LM 1200 lm Standard Configuration: 300K 80CRI WH80 Calculated Delivered Lumens = (Delivered Lumen Value) x [CCT Multiplier] x [Reflect Multiplier] CCT 270K 270K 270K 300K GCT Multiplier] x [Reflect Multiplier] x [Reflect Multiplier] OPTIC & 40K 80 80 CRI 90	SERIES	NU3	NU3										
QDTMW square downlight trimless millwork LED SW standard white IOLM 855 lm IOLM 855 lm IOLM 855 lm 20LW 1600 lm 20LM 1600 lm 20LM 2060 lm 30LM 2450 lm 35LM 2850 lm 40LM 3190 lm Standard Configuration: 3000K 80CRI WH80 300K 300K CCT 30K 3000K CCT Multiplier] x [Reflect Multiplier] CCT 30K 3000K CCT Multiplier for as as is to a as to a		QD	square d	square downlight									
LED SW standard white IOLM 855 lm IOLM 855 lm ISLM 1200 lm 20LW 1600 lm 20LM 1600 lm 20LM 2060 lm 30LM 2450 lm 35LM 2850 lm 40LM 3190 lm Standard Configuration: 3000K 80CRI WH80 Cclouleted Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier] CCT 30K 3000K 35K 3500K 3000K 40K 4000K CRI 80 80 CRI 90 90 CRI 0.95 0.81 100 0.85 103 0.88 105 0.5 MULTIPLIER SEE PAGE 3 RE60 60° high efficiency diffused lens (0.97 0.97 °° diffused with clear lens (0.97 0.97 °° diffused with clear lens (0.97 0.97 °° diffused with clear lens (1.00) BEZEL LENS SEE PAGE 3 NL ¹² no lens (1.00) BC 30 °° brilliant white with clear lens (1.00) SEE PAGE 3 BK black WH white ctar cust	ТҮРЕ	QDT	square d	ownlight trimle	ess								
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CCT Standard Configuration: 3000K 80CRI WH80 Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflect Multiplier] CCT 27K 2700K CCT 2700K 3000X 4000K 30K 3000K CCT 2700K CCT 2700K 3000X 4000K 30K 3000K CCT 2700K CCT 2700K 400K 4000K CRI 80 80 80 CRI 90 90 CRI 0.98 0.81 1.00 0.85 1.03 0.88 1.06 0.5 OPTIC & LM MULTIPLIER SEE PAGE 3 HE60 60° high efficiency diffused lens (0.95 D70 70° diffused with clear lens (0.97) WH80 80° brilliant white with clear lens (1.00) BEZEL LENS SEE PAGE 3 BK black WH White MC matte chrome Efficiency for details Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM. Not applicable to trimless option. Do not include in trimless ordering code. BK black (0.9) WH white	LUMENS	35LM	2850 lm										
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40K 400K CRI 80 80 CRI 90 90 CRI 90 CRI MULTIPLIER HE60 60° high efficiency diffused lens (0.98) SEE PAGE 3 D70 70° diffused with clear lens (0.97) WH80 80° brilliant white with clear lens (1.00) BEZEL LENS NL ^{1,2} no lens (1.00) SEE PAGE 3 BK black WH white MC matte chrome BZ bronze WT wheat CCC3 custom color, consult factory for details Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM. Not applicable to trimless option. Do not include in trimless ordering code. BEZEL BK black (0.9) WH white (1.0) MC matte chrome 0.9 WH wheat (0.9) WH wheat (0.9) WH white (1.0) MC matte chrome 0.9 WH white (1.0) MC matte chrome (0.9) WH <t< th=""><td>CCT</td><th>35K</th><td>3500K</td><td></td><td>90.0</td><td>0.81</td><td>1.00</td><td>0.85</td><td>103</td><td>0.88</td><td>106</td><td>0.91</td></t<>	CCT	35K	3500K		90.0	0.81	1.00	0.85	103	0.88	106	0.91	
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BEZEL LENS SEE PAGE 3 NL ^{1,2} no lens (1.00) TRIM COLOR SEE PAGE 3 BK black WH white MC matte chrome BZ bronze WT wheat CC ³ custom color, consult factory for details Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM. Not applicable to trimless option. Do not include in trimless ordering code. BEZEL COLOR SEE PAGE 2 BK black (0.9) WH white (1.0) MC matte chrome (0.9) SEE FARCE 2 bronze (0.9)	SLL FAUL 5	WH80	80° brilli	ant white with	clea	r len	S					,	
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WHwhite(1.0)BEZEL COLOR BZMCmatte chrome(0.9)BZbronze(0.9)				option. Do not incl	ude i	n trim	less o	rderi	ng co	de.	10		
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COLOR BZ bronze (0.9													
				rome									
WT wheat (0.9)													
						-					(0).99)	
CC ³ custom color, consult factory for details Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.									/				

	NC 60°	- 80° BEAM ORDERING CODE			
		new construction with ceiling fitting plate			
MOUNTING		insulation contact housing			
OPTIONS SEE PAGE 5, 6	ICAT ⁴	insulation contact/airtight housing			
	CP⁴	chicago plenum housing			
	RET	retrofit, no ceiling fitting plate			
VOLTAGE	120	120V			
VULIAUL	UNV	120V-277V			
	DIM10	eldoLED flicker free 0-10V dimming to 1%			
	DIM10Z	eldoLED flicker free 0-10V dimming to 0%			
	DALI	eldoLED flicker free DALI dimming to 1%			
	DALIZ	eldoLED flicker free DALI dimming to 0%			
	DMXZ	DMX dim to zero			
DIMMING	LUTP⁵	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black			
	ELV1 ⁶	leading & trailing edge (Triac/ELV) dimming to 1%			
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off			
	CAS	Casambi Bluetooth control with flicker free 1% dimming			
	AWNR ⁷	lutron athena wireless node			
	EM7	emergency battery backup, 90 minutes at 7W to LED			
ELECTRICAL	EM12	emergency battery backup, 90 minutes at 12W to LED			
OPTIONS	EM10CA20	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20			

ADDITIONAL MOUNTING INFO					
New Construction	Mounting Length:				
Bar Hangers (included)	14-3/4" to 26"				
Extension Kit p/n: K20266	Extends a pair of Bar Hangers				
(ordered separately,	Total Mounting Length:				
1 per fixture)	29" to 48"				

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU3 - QD - SW - 20LM - 30K - 90 - HE60 - WH - WH - NC - UNV - DIM10 - EM7

NOTES

1. NL option available in D70/WH80.

2. NL option does not meet requirement for AT/DF/WET/NSF listings.

3. Custom set up fee plus minimum quantity required per color.

4. IC/ICAT/CP not available in 35LM/40LM.

5. LUTP not available in 25LM/30LM/35LM/40LM.

6. ELV1 (120V input) not available in 10LM.

7. AWNR reference page 8 for product specifications on Athena wireless node.

* EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIMIOLIN.

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

PROJECT INFORMATION						
JOB NAME		ТҮРЕ				
ORDERING CODE						

TRIM OPTIONS

TRIM/BEZEL COLORS

Trim ——— Bezel Lens ——— Bezel ———					
	WH	MC	ВК	BZ	WT

OPTICAL OPTIONS

• Calculations based on 15LM fixtures, SA bezel, unless otherwise noted

• UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;



OPTIC	BEAM ANGLE	UGR
D70	65	20.9
WH80	73	23.8

DL Diffused Lens	
<u></u>	

OPTIC	BEAM ANGLE	UGR
HE60	64	22.6
HE80	78	24.7

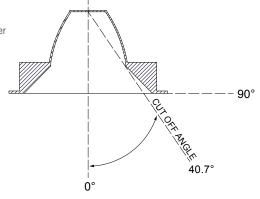
GLARE CONTROL

CUT-OFF ANGLE

Visual comfort is achieved with a lower cut-off angle due to improved glare control. The smaller the cut-off angle, the easier it is on the eye.

Alphabet downlights have been thoughtfully engineered to eliminate glare while still delivering functional illumination.

- Cutoff angle is 40.7° degrees;



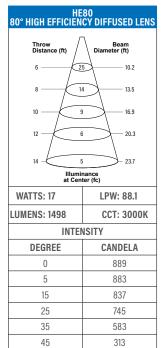
Alphabet by Ledra Brands, Inc. 88 Maxwell Irvine, CA 92618 PH: 714.259.9959 FAX: 714.259.9969 AlphabetLighting.com

PROJECT INFOR	MATION		
JOB NAME		ТҮРЕ	
ORDERING CODE			

PHOTOMETRIC DATA

20LM CCT MULTIPLIERS					
	80 CRI	90CRI			
2700K	0.96	0.81			
3000K 1 0.84					
3500K	1.01	0.85			
4000K	4000K 1.03 0.87				
FC Forr	FC Formula = CBCP / Distance ²				

HE60 65° HIGH EFFICIENCY DIFFUSED LENS				
Throw Beam Distance (ft)				
6 7.6				
8 10.2				
101	3 12.7			
12 9 15.2				
14 7 17.8				
Illuminance at Center (fc)				
WATTS: 17	LPW: 88.2			
LUMENS: 1500 CCT: 3000K				
INTE	NSITY			
DEGREE	CANDELA			
0	1289			
5	1267			
15 1109				
25 862				
35	557			
45	220			



D70 66° DIFFUSED WITH CLEAR LENS				
Throw Distance (ft)	Beam Diameter (ft)			
6	7.8			
8	3 10.3			
101	5 12.9			
121	15.5			
14 7 - 18.1				
Illumi at Cen				
WATTS: 17	LPW: 89.3			
LUMENS: 1518	CCT: 3000K			
INTE	ISITY			
DEGREE	CANDELA			
0	1456			
5	1434			
15	1270			
25	1004			
35	597			
45	121			

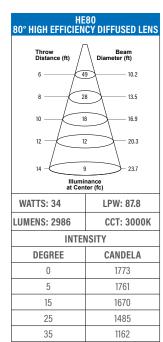
1

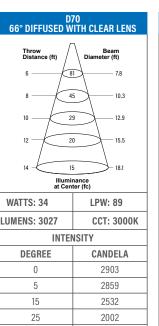
WH80 7° BRILLIANT WHITE WITH CLEAR LENS				
Throw Beam Distance (ft) Diameter (ft)				
6	9.5			
816	12.7			
1010	15.8			
12 7	19			
14 5 - 22.2				
Illumir at Cent	nance ter (fc)			
17 LPW:	94.2			
1602 CCT:	3000K 3000K			
INTER	ISITY			
DEGREE	CANDELA			
0	1004			
5	1000			
15	967			
25	896			
35	692			
45	249			

40LM CCT MULTIPLIERS					
	80 CRI 90CRI				
2700K	0.96	0.81			
3000K	1	0.84			
3500K	1.01	0.85			
4000K	1.03 0.87				
FC Formula = CBCP / Distance ²					

PLIERS	HE 65° HIGH EFFICIEN	60 CY DIFFUSED LENS				
90CRI		_ ٦				
0.81	Throw Distance (ft)	Beam Diameter (ft)				
0.84	6	71 7.6				
0.85	8	10.2				
0.87						
/ Distance ²	102	10 12.7				
	12 12	12 18 15.2				
		3 17.8				
	Illumi at Cen	nance iter (fc)				
	WATTS: 34	LPW: 88				
	LUMENS: 2991	CCT: 3000K				
	INTE	NSITY				
	DEGREE	CANDELA				
	0	2569				
	5	2526				
	15	2211				
	25	1719				
	23	1115				

45



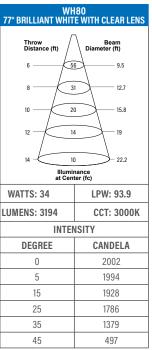


1190

240

35

45



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624

45

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.

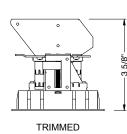
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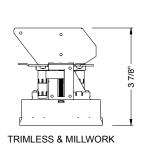
PROJECT INFOR	MATION		
JOB NAME		TYPE	
ORDERING CODE			

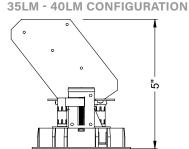
MOUNTING OPTIONS

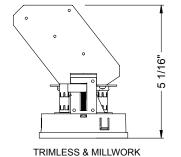
FIXTURE HEIGHT

10LM - 30LM CONFIGURATION





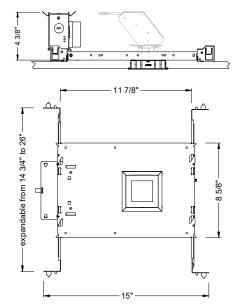




TRIMMED

NC - NEW CONSTRUCTION

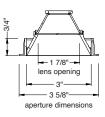




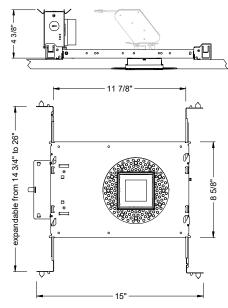


TRIM

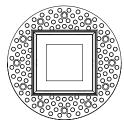
ceiling cutout 3-1/4" square ceiling thickness 1/8" to 1-1/4"



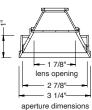
TRIMLESS



TRIMLESS



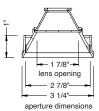
ceiling cutout 3-1/2" square ceiling thickness 3/8" to 1-3/8"



TRIMLESS/MILLWORK



ceiling cutout 3-9/32" square ceiling thickness 5/8" to 1-3/8"



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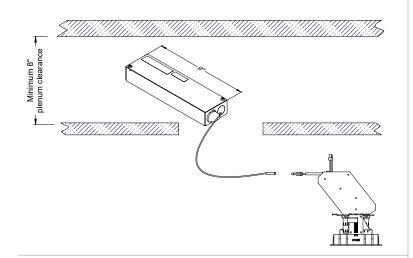
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

PROJECT INFOR	MATION		
JOB NAME		ТҮРЕ	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

RET - RETRO

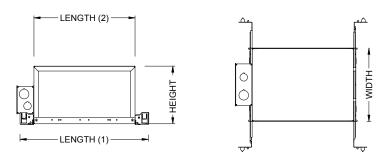
TRIM/TRIMLESS



RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	СР
TYPE NON-IC	V	V			
TYPE IC			~	~	~
CHICAGO PLENUM (CCEA)					~
SUITABLE FOR AIR HANDLING PLENUMS				~	~
REDUCED AIRFLOW (WITH LENS) ASTM E283	~	V	V	~	~

CEILING THICKNESS				
	MOUNTING TYPE			
FIXTURE TYPE	NC, IC, ICAT,CP, RET			
	STANDARD CEILING THICKNESS			
TRIM	1/8" to 1- 1/4"			
TRIMLESS	3/8" to 1-3/8"			
MILLWORK (TRIMLESS)	5/8" to 1-3/8"			

IC - INSULATION CONTACT HOUSING ICAT - INSULATION CONTACT / AIR TIGHT CP - CHICAGO PLENUM



BOX SIZE	L1	L 2	W	Н
А	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"
В	18 - 1/4"	14 - 7/8"	12 - 1/8"	11 - 1/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS							
	BOX - A				BOX - B		
LUMEN OUTPUT	IC	ICAT	СР	IC	ICAT	СР	
10LM	~	~	~				
15LM	~	~	~				
20LM	~	~	~				
25LM	~	~	~				
30LM				~	V	~	
35LM				~	V	~	
40LM							

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BATTERY OPTIONS

EMERGENCY BATTERY

IOTA'S ILB Battery Backups are UL Listed LED emergency drivers that allow the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can. The Constant Power design of the ILB maintains the output wattage to the LED array even as the system voltage diminishes. UL 924 Listed for U.S. and Canada. UL 1310 Certified, Output Class 2 Compliant. Includes single-piece TBTS test switch and charge indicator accessory kit. For use with switched and unswitched fixtures, and includes Two-wire universal AC input. Meets or exceeds all National Electric Code and Life Safety Code Emergency Lighting Requirements. Rated for use in Plenum, Damp Location, Recessed Type IC, and Enclosed and Gasketed Luminares.

REMOTE TEST SWITCH

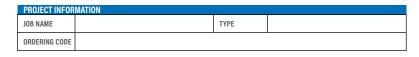
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

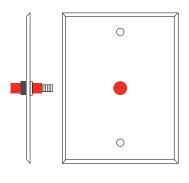
EMERGENCY BATTERY ACCESS

Above ceiling access is required for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

REMOTE LOCATION

Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



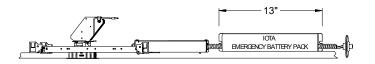


Remote Test Switch

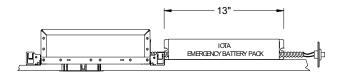
EM MODE OUTPUT (DELIVERED LUMENS)						
LUMEN ORDERING CODE EM7 EM10 EM12						
ALL OPTIONS (10LM TO 30LM) 600LM 855LM 1025LM						
Notes: Based on 30K, 80CRI						

NC - NEW CONSTRUCTION

WITH EM BATTERY (REMOTE TEST SWITCH)

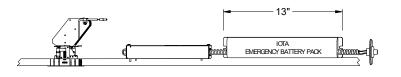


IC / ICAT / CP - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)



RET - RETROFIT

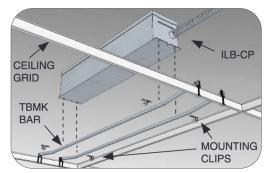
WITH EM BATTERY (REMOTE TEST SWITCH)



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Accessory

76066 Optional T-Grid Mounting Kit²



Can be used with any of the Emergency Battery Backups. Must be ordered as a separate line item.

AWNR OPTIONS

PROJECT INFORMATION JOB NAME TYPE ORDERING CODE

Athena Wireless Node

The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena control system.



Athena Wireless Node RF

FEATURES

- Enables individual, wireless control of each fixture in an Athena control system. Accommodates zone and control changes without rewiring.
- Installed at factory no wiring required on-site. Fixture is ready to communicate wirelessly once power is connected.
- All drivers on the link are controlled as a single zone.

Note: Default behavior prior to programming

- Light level 100%
- Athena wireless node performs an unprogrammed startup sequence on every power up until the device is added to an Athena system.

- **REGULATORY APPROVALS** cULus Listed (UL916)
- Complies with requirements for use in other spaces used for environmental air (plenums) . per NEC° 2014 300.22(C)(3).
- · FCC compliant with the limits for a Class B digital device.
- IC (Industry Canada)
- ANSI C137.1 0-10 V- Electronic Off

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- Each Athena wireless node should be installed within 25 ft (7.62 m) of two or more Athena wireless nodes or other Clear Connect -Type X devices.
- For Chicago plenum installations, the Athena wireless node may not be installed in the plenum space. It must be installed in the occupied space.

POWER / LOAD

- IEC SELV/NEC[®] Class 2
- 1 Watt

ENVIRONMENTAL

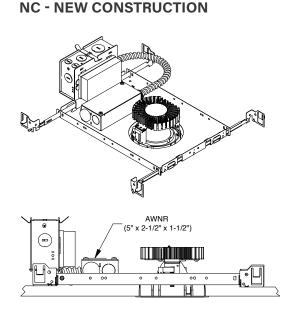
- Ambient operating temperature (immediate vicinity of Athena wireless node): 32 °F to 131 °F (0 °C to 55 °C), 0% to 90% humidity.

BATTERY OPTIONS

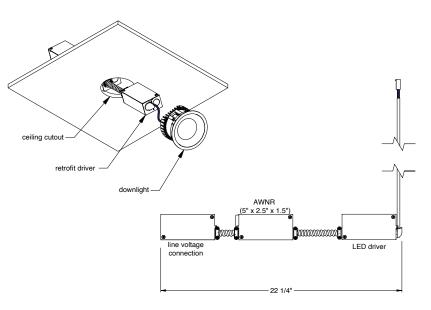
For EM options please consult factory.

For servicing the driver/j-box, access above ceiling is required. (NC Mounting)

> IC/ICAT/CP not available in AWNR.



RET - RETRO FIT



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OEM ADVANTAGE