

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU4

4" Square Downlight Standard White

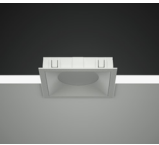


AT  
airtight

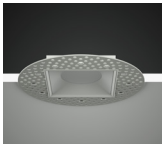
DF  
dead-front

PR  
plenum rated

wet rated



Trim



Trimless



Trimless Millwork

30° - 55° BEAM		
(Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	970LM @30K/80CRI	9W
15LM	1440LM @30K/80CRI	12W
20LM	2010LM @30K/80CRI	17W
25LM	2440LM @30K/80CRI	21W
30LM	2970LM @30K/80CRI	26W
35LM	3470LM @30K/80CRI	31W
40LM	3950LM @30K/80CRI	37W
10LM	830LM @30K/90CRI	9W
15LM	1220LM @30K/90CRI	12W
20LM	1710LM @30K/90CRI	17W
25LM	2080LM @30K/90CRI	21W
30LM	2520LM @30K/90CRI	26W
35LM	2950LM @30K/90CRI	31W
40LM	3360LM @30K/90CRI	37W
Notes	Delivered lumens based on 55D optic with no lens, (see page 2)	

20° BEAM		
(Note: Specifications are subject to change without notice)		
10mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	920LM @30K/80CRI	9W
15LM	1530LM @30K/80CRI	15W
20LM	2090LM @30K/80CRI	22W
10LM	780LM @30K/90CRI	9W
15LM	1300LM @30K/90CRI	15W
20LM	1770LM @30K/90CRI	22W
Notes	Delivered lumens based on 20D optic no lens, (see page 2)	

14° BEAM		
(Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1000LM @30K/80CRI	12W
15LM	1470LM @30K/80CRI	18W
10LM	850LM @30K/90CRI	12W
15LM	1250LM @30K/90CRI	18W
Notes	Delivered lumens based on 14D optic no lens, (see page 2)	

FEATURES

- 3/4" bezel regress with 1/16" micro flange
- 14° - 55° optical beam control
- UGR < 19
- Up to 120 LPW
- Glare control, specialty optics, trim options, and custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- DMX dim to zero
- Lutron Hi-lume Eco System dimming to 0.1% and 1%
- Lutron athena wireless node
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi dimming to 1%
- NLight control interface dimming to 0%

CONSTRUCTION

- Lexan™ (PC) highly resistant to impact and heat (240°F)
- Optimal material for wireless signal connectivity
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-3/4"

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs

LISTING

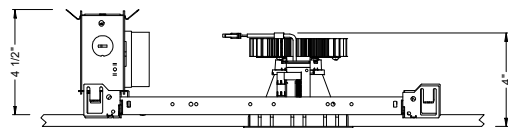
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

ELECTRICAL

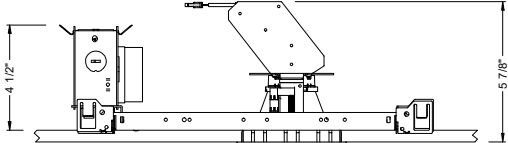
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote and Integral (ITS) emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)
- Low Voltage Luminaire option, see page 10.

FIXTURE HEIGHT

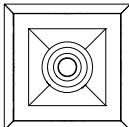
LED LIGHT ENGINE: 10LM - 30LM



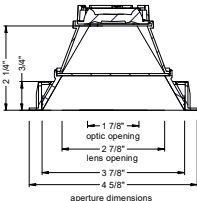
LED LIGHT ENGINE: 35LM - 40LM



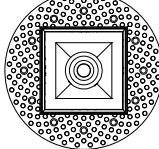
TRIMMED



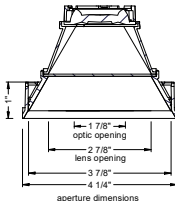
ceiling cutout  
4-1/4" square  
ceiling thickness  
1/8" to 1-5/8"



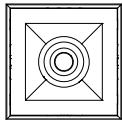
TRIMLESS



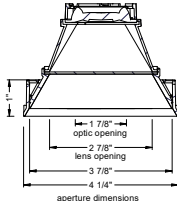
ceiling cutout  
4-1/2" square  
ceiling thickness  
3/8" to 1-3/4"



MILLWORK



ceiling cutout  
4-1/4" square  
ceiling thickness  
1/2" to 1-3/4"



PROJECT INFORMATION			
JOB NAME			TYPE
ORDERING CODE			

14° - 55° BEAM ORDERING CODE												
SERIES	NU4	NU4										
TYPE	SD	square downlight										
	SDT	square downlight trimless										
	SDTMW	square downlight trimless millwork										
LED	SW	standard white										
DELIVERED LUMENS	10LM	970 lm										
	15LM	1440 lm										
	20LM	2010 lm										
	25LM	2440 lm										
	30LM	2970 lm										
	35LM	3470 lm										
	40LM	3950 lm										
	Standard Configuration: 3000K 80CRI 55D, NL Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier]											
CCT	27K	2700K	CCT		2700K		3000K		3500K		4000K	
	30K		CRI		80+	90+	80+	90+	80+	90+	80+	90+
	35K	3500K	CCT MULTIPLIER FOR LUMEN OUTPUT		0.96	0.81	1.00	.85	1.03	.88	1.06	.91
	40K		4000K									
CRI	80	80 CRI										
	90	90 CRI										
OPTIC & LM MULTIPLIER SEE PAGE 3	14D <sup>1</sup>	14 degrees (1.00)										
	20D <sup>2</sup>	20 degrees (1.00)										
	30D	30 degrees (0.96)										
	35D	35 degrees (0.93)										
	55D	55 degrees (1.00)										
OPTIC LENS	NA	no accessory (1.00)										
	HCL <sup>3</sup>	honeycomb louver (0.70)										
BEZEL LENS	NL <sup>4</sup>	no lens (1.00)										
	CL	clear lens (0.96)										
	DL	diffused lens (0.94)										
	E <sup>5</sup>	elliptical beam spread (0.93)										
	HET	high efficiency textured lens, similar to Solite™ (0.95)										
	SBL	smoothing beam lens (0.95)										
TRIM COLOR	BK	black										
	WH	white										
	MC	matte chrome										
	BZ	bronze										
	WT	wheat										
	CC <sup>6</sup>	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	BK	black (0.98)										
	WH	white (1.00)										
	MC	matte chrome (0.99)										
	BZ	bronze (0.98)										
	WT	wheat (0.99)										
	CC <sup>6</sup>	custom color, consult factory for details										
	Antimicrobial finish, add AM to black, white or matte chrome i.e. BKAM.											

14°- 55° BEAM ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 6, 7	NC IC <sup>7</sup> ICAT <sup>7</sup> CP <sup>7</sup> RET	new construction with ceiling fitting plate insulation contact housing insulation contact/airtight housing chicago plenum housing retrofit, no ceiling fitting plate
	VOLTAGE	120V 120V-277V low voltage luminaire
	DIMMING	DIM10 DIM10Z DALI DALIZ DMX-RJ45 DMX-WL  DMX-XLR LUT  LUTP <sup>9</sup>  ELVI NLT  CAS ND  AWN <sup>10</sup> L3DA
		eldoLED flicker free 0-10V dimming to 1% eldoLED flicker free 0-10V dimming to 0% eldoLED flicker free DALI-2 dimming to 1% eldoLED flicker free DALI-2 dimming to 0% DMX control dimming to 0.1% with RJ45 connection DMX control dimming to 0.1% with wire lead connection  DMX control dimming to 0.1% with XLR 5pin connection 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 (Triac/ELV) dimming to 1% nLight control interface: standard Cat-5/RJ45 connection (female), dim to off  Casambi control with flicker free 1% dimming  No Driver Included. Customer to Supply PoE system components or order remote driver separately. Refer to POE/Remote Driver reference sheet for additional details.  lutron athena wireless node Lutron Hi-lume 1% 3-wire/Ecosystem
		EM7 <sup>11</sup> EM12 <sup>11</sup> EM10CA20 <sup>11</sup>
		emergency battery backup, 90 minutes at 7W to LED emergency battery backup, 90 minutes at 12W to LED remote emergency battery backup, 90 minutes at 10W to LED, CA title 20

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

YOUR COMPLETED ORDERING CODE	
Follow the steps to specify your fixture, example:	
NU4 - SD - SW - 20LM - 35K - 90 - 55D - NA - NL - WH - WH - NC - UNV - DIM10 - EM7	

- NOTES**
- 14D available in 10LM/15LM. Not available with DL/E lens.
  - 20D available in 10LM/15LM/20LM. Not recommended with DL/E lenses, beam angle increases by 25% or 2.5x.
  - HCL not available with lens.
  - NL option does not meet requirements for AT/DF/WET/NSF listings. Lensing cannot be added in the field.
  - Elliptical lens not available with 14D optic options. Actual beam distributions [20D= 40° x 65° , 30D= 45° x 70° , 35D= 50° x 75° , 55D= 60° x 85°]
  - Custom set up fee plus minimum quantity required per color.
  - IC/ICAT/CP not available in 40LM.
  - Must select ND dimming code, for remote driver or POE specifications see page 9.
  - LUTP not available in 20D/20LM or 25LM/30LM/35LM/40LM.
  - AWN reference page 10 for product specifications on Athena wireless node.
  - For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Test switch is mounted in the bezel of the fixture.

\* EldoLED and DMX uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

# alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
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## TRIM OPTIONS

### TRIM/BEZEL COLORS



WH



MC



BK



BZ



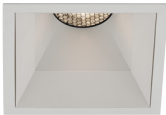
WT

## OPTICAL OPTIONS

- UGR calculation based on CIE 117:1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures, unless otherwise noted.

### HCL

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
14D	14	≤5
20D	19	≤5
30D	27	6.5
35D	32	9.3
55D	47	13

### NL

No Lens



OPTIC	BEAM ANGLE	UGR
14D	14	5.6
20D	19	7.6
30D	29	10.9
35D	37	13.7
55D	56	16.3

### CL

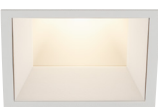
Clear Lens



OPTIC	BEAM ANGLE	UGR
14D	14	6.2
20D	19	8.5
30D	29	11.7
35D	37	14.3
55D	56	16.6

### DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
20D	37	16.2
30D	42	17.8
35D	50	19.2
55D	59	20.4

### HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
14D	20	8.8
20D	24	10.7
30D	31	13.2
35D	39	15.6
55D	54	17.4

### SBL

Smoother Beam Lens



OPTIC	BEAM ANGLE	UGR
14D	16	7
20D	20	9.3
30D	29	12.2
35D	37	14.7
55D	55	16.7

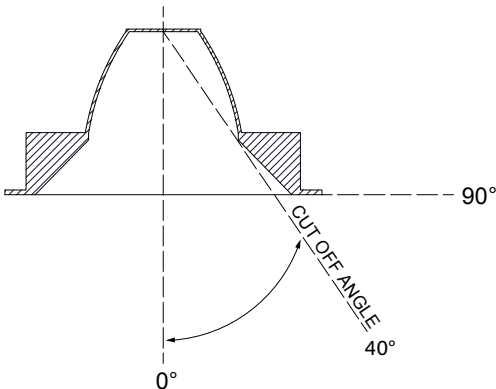
## GLARE CONTROL

### 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 of NL and CL is 40° degrees;



PROJECT INFORMATION			
JOB NAME		TYPE	
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## PHOTOMETRIC DATA

20LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		

30D 28.5° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	171
8	96
10	62
12	43
14	31
Illuminance at Center (fc)	
WATTS: 16.8	LPW: 113.6
LUMENS: 1908	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	6160
5	5777
15	2840
25	848
35	221
45	46

35D 37° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	109
8	61
10	39
12	27
14	20
Illuminance at Center (fc)	
WATTS: 16.8	LPW: 110.6
LUMENS: 1858	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	3934
5	3670
15	2404
25	1193
35	337
45	65

55D 56° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	71
8	40
10	26
12	18
14	13
Illuminance at Center (fc)	
WATTS: 16.8	LPW: 119.5
LUMENS: 2007	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2549
5	2558
15	2263
25	1507
35	541
45	44

40LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance <sup>2</sup>		

30D 28.5° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	337
8	190
10	121
12	84
14	62
Illuminance at Center (fc)	
WATTS: 36.5	LPW: 102.9
LUMENS: 3757	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	12133
5	11379
15	5594
25	1671
35	434
45	91

35D 37° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	216
8	121
10	77
12	54
14	40
Illuminance at Center (fc)	
WATTS: 36.5	LPW: 100.3
LUMENS: 3659	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	7749
5	7229
15	4735
25	2349
35	664
45	128

55D 56° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	140
8	79
10	50
12	35
14	26
Illuminance at Center (fc)	
WATTS: 36.5	LPW: 108.3
LUMENS: 3954	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5021
5	5039
15	4457
25	2968
35	1066
45	88

PROJECT INFORMATION			
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PHOTOMETRIC DATA

10LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance²		

14D 13.7° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	311
8	175
10	112
12	78
14	57
Illuminance at Center (fc)	
WATTS: 11.16	LPW: 89.8
LUMENS: 1002	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	11195
5	7868
15	986
25	173
35	56
45	11

20D 19.2° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	161
8	90
10	58
12	40
14	30
Illuminance at Center (fc)	
WATTS: 8.8	LPW: 104.4
LUMENS: 919	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5788
5	4776
15	1223
25	226
35	62
45	14

15LM		
	80CRI	90CRI
2700K	0.96	0.81
3000K	1	0.85
3500K	1.03	0.88
4000K	1.06	0.91
FC Formula = CBCP / Distance²		

14D 13.7° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	459
8	258
10	165
12	115
14	84
Illuminance at Center (fc)	
WATTS: 17.9	LPW: 82.6
LUMENS: 1478	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	16513
5	11605
15	1454
25	255
35	82
45	16

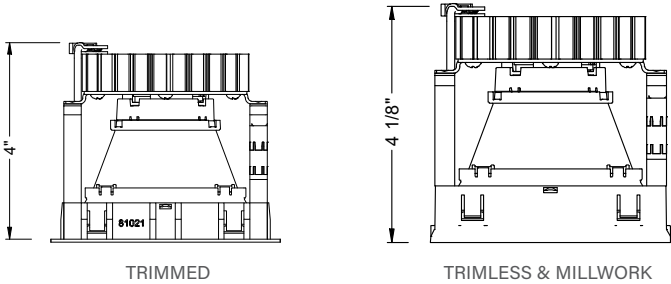
20D 19.2° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	269
8	151
10	97
12	67
14	49
Illuminance at Center (fc)	
WATTS: 14.8	LPW: 103.8
LUMENS: 1537	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	9679
5	7986
15	2045
25	378
35	104
45	23

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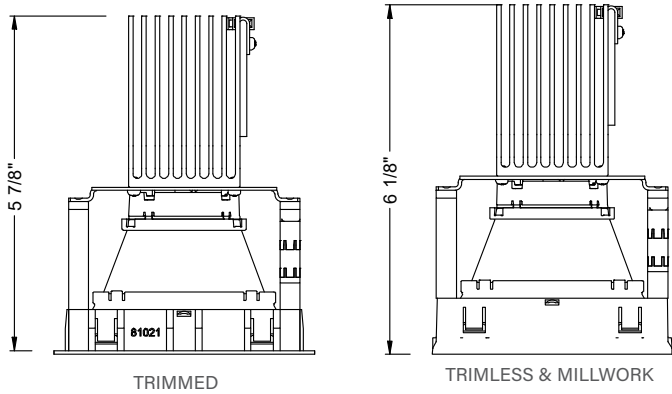
MOUNTING OPTIONS

FIXTURE HEIGHT

LED LIGHT ENGINE: 10LM - 30LM

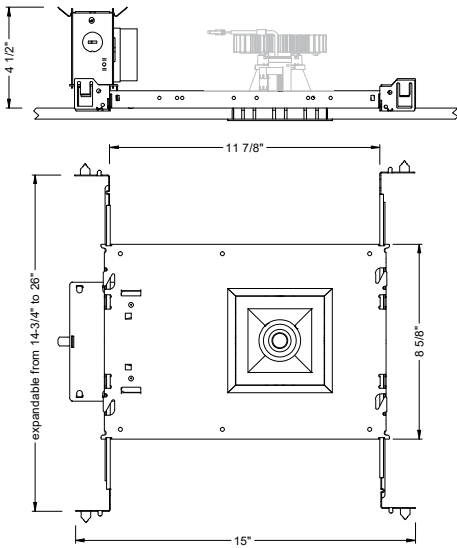


LED LIGHT ENGINE: 35LM - 40LM

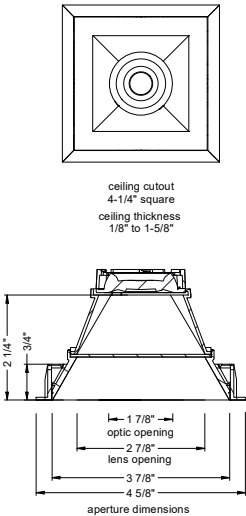


NC - NEW CONSTRUCTION

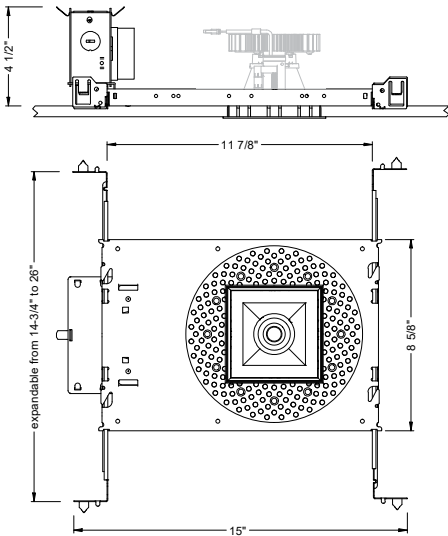
TRIM



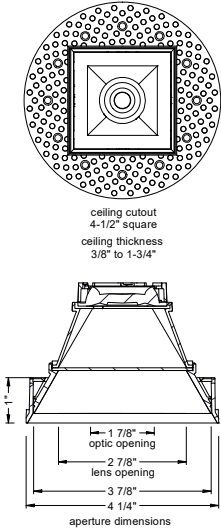
TRIM



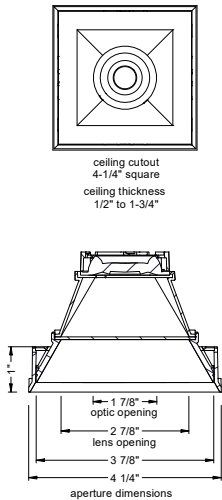
TRIMLESS



TRIMLESS



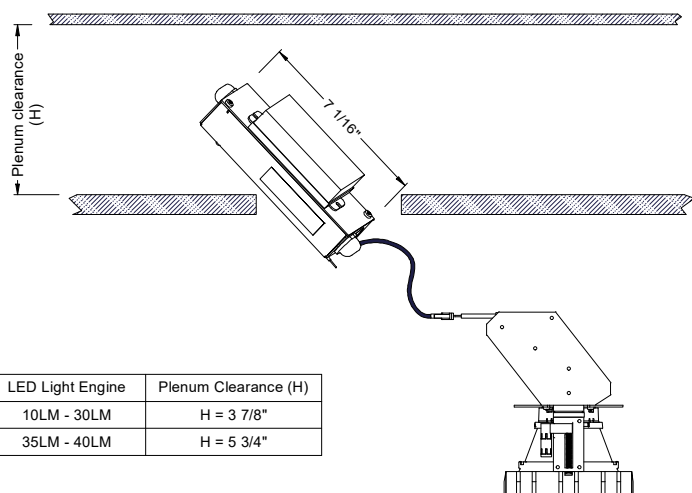
TRIMLESS/MILLWORK



PROJECT INFORMATION			
JOB NAME		TYPE	
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## MOUNTING OPTIONS

### RET - RETRO TRIM/TRIMLESS



LED Light Engine	Plenum Clearance (H)
10LM - 30LM	H = 3 7/8"
35LM - 40LM	H = 5 3/4"

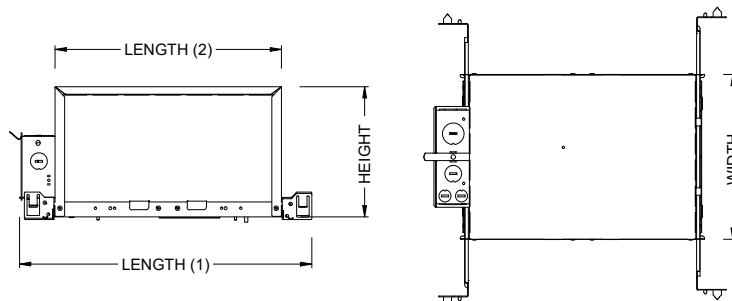
RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✓	✓			
TYPE IC			✓	✓	✓
CHICAGO PLENUM (CCEA)					✓
SUITABLE FOR AIR HANDLING PLENUMS	✓	✓	✓	✓	✓
REDUCED AIRFLOW (WITH LENS) ASTM E283	✓	✓	✓	✓	✓

CEILING THICKNESS		
FIXTURE TYPE	MOUNTING TYPE	
	NC, IC, ICAT, CP, RET	NC, IC, ICAT, CP, RET
	STANDARD CEILING THICKNESS	CEILING CUTOUT
TRIM	1/8" to 1-5/8"	4-1/4" square
TRIMLESS	3/8" to 1-3/4"	4-1/2" square
MILLWORK (TRIMLESS)	1/2" to 1-3/4"	4-1/4" square

### IC - INSULATION CONTACT HOUSING

### ICAT - INSULATION CONTACT / AIR TIGHT

### CP - CHICAGO PLENUM



BOX SIZE	L1	L2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"
B	18 - 1/4"	14 - 7/8"	12 - 1/8"	11 - 1/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (30°-55°)						
LUMEN OUTPUT	BOX-A			BOX-B		
	IC	ICAT	CP	IC	ICAT	CP
10LM	✓	✓	✓			
15LM	✓	✓	✓			
20LM	✓	✓	✓			
25LM	✓	✓	✓			
30LM	✓	✓	✓			
35LM				✓	✓	✓
40LM						

BOX TYPE / LUMEN OUTPUT - NARROW BEAM (20°)			
LUMEN OUTPUT	BOX-A		
	IC	ICAT	CP
10LM	✓	✓	✓
15LM	✓	✓	✓
20LM	✓	✓	✓

BOX TYPE / LUMEN OUTPUT - NARROW BEAM (14°)			
LUMEN OUTPUT	BOX-A		
	IC	ICAT	CP
10LM	✓	✓	✓
15LM	✓	✓	✓
20LM	✓	✓	✓

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

## 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 Luminaires.

### REMOTE TEST SWITCH

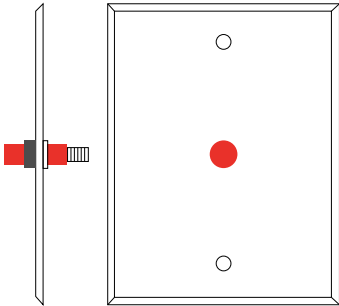
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

### EMERGENCY BATTERY ACCESS

Above ceiling access is recommended for ease of service, but LED Fixture Sizes of 4" and Larger are capable of below ceiling access. IC/ICAT/CP Box and ITS option require an access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery.

### REMOTE LOCATION

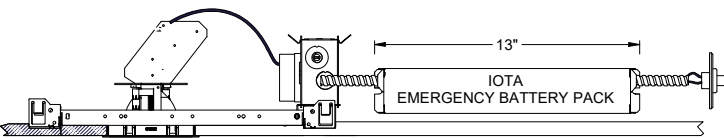
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/Building Codes.



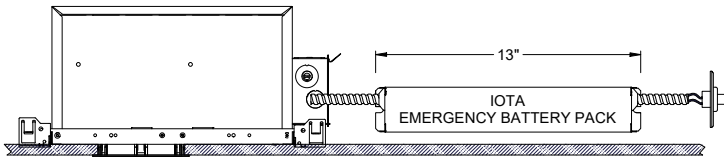
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS ( 10LM TO 30LM)	900LM	1200LM	1400LM
Notes Based on 30K, 80CRI			

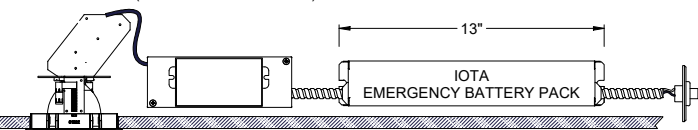
### NC - NEW CONSTRUCTION WITH EM BATTERY (REMOTE TEST SWITCH)



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

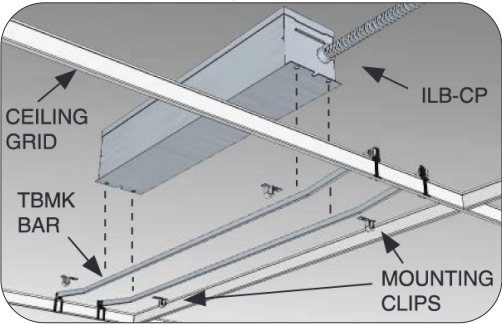


### RET - RETROFIT WITH EM BATTERY (REMOTE TEST SWITCH)



### Accessory

#### 76066 Optional T-Grid Mounting Kit<sup>1</sup>



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



PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

## LOW VOLTAGE OPTIONS

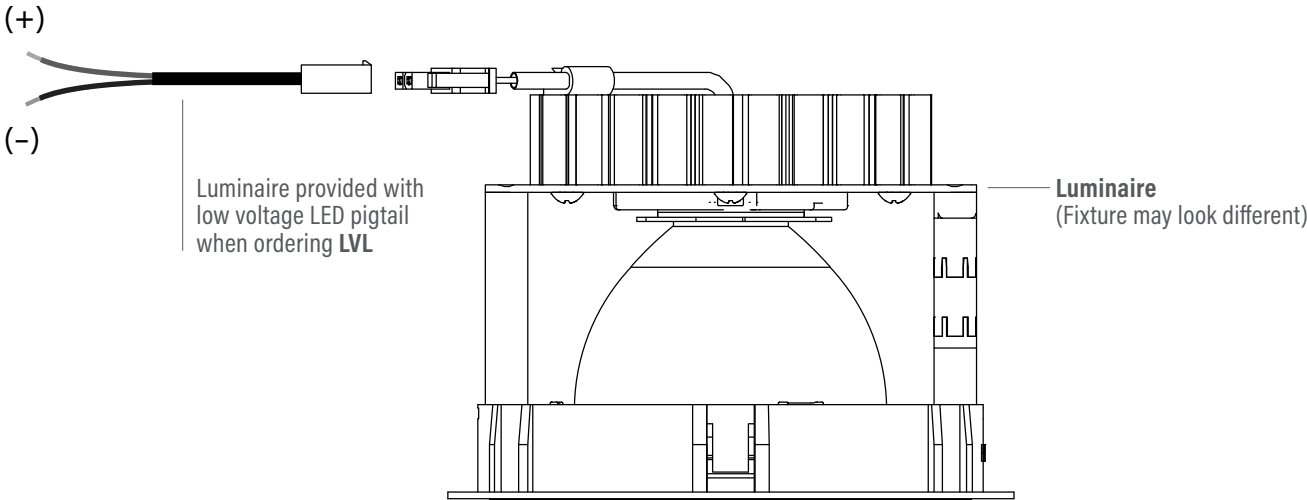
30° - 55° BEAM			
(Note: Specifications are subject to change without notice)			
14mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	970LM @30K/80CRI	200mA	7.5W
15LM	1440LM @30K/80CRI	300mA	11W
20LM	2010LM @30K/80CRI	425mA	15.5W
25LM	2440LM @30K/80CRI	525mA	19W
30LM	2970LM @30K/80CRI	650mA	23.5W
35LM	3470LM @30K/80CRI	775mA	28W
40LM	3950LM @30K/80CRI	900mA	32.5W
10LM	830LM @30K/90CRI	200mA	7.5W
15LM	1220LM @30K/90CRI	300mA	11W
20LM	1710LM @30K/90CRI	425mA	15.5W
25LM	2080LM @30K/90CRI	525mA	19W
30LM	2520LM @30K/90CRI	650mA	23.5W
35LM	2950LM @30K/90CRI	775mA	28W
40LM	3360LM @30K/90CRI	900mA	32.5W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)		

20° BEAM			
(Note: Specifications are subject to change without notice)			
10mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	920LM @30K/80CRI	200mA	7.5W
15LM	1530LM @30K/80CRI	350mA	13W
20LM	2090LM @30K/80CRI	500mA	18W
10LM	780LM @30K/90CRI	200mA	7.5W
15LM	1300LM @30K/90CRI	350mA	13W
20LM	1770LM @30K/90CRI	500mA	18W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)		

14° BEAM			
(Note: Specifications are subject to change without notice)			
6mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	1000LM @30K/80CRI	250mA	9W
15LM	1470LM @30K/80CRI	400mA	15W
10LM	850LM @30K/90CRI	250mA	9W
15LM	1250LM @30K/90CRI	400mA	15W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)		

## NOMINAL LED VOLTAGE: 36VDC

Customer to order CC Remote Driver separately or POE Node by others.



PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

## AWNRR OPTIONS

### 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

#### AWNRR

Plenum rated and can be installed above the ceiling for wireless control of a fixture without any impact on fixture aesthetics.

#### 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.

#### 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

#### 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.

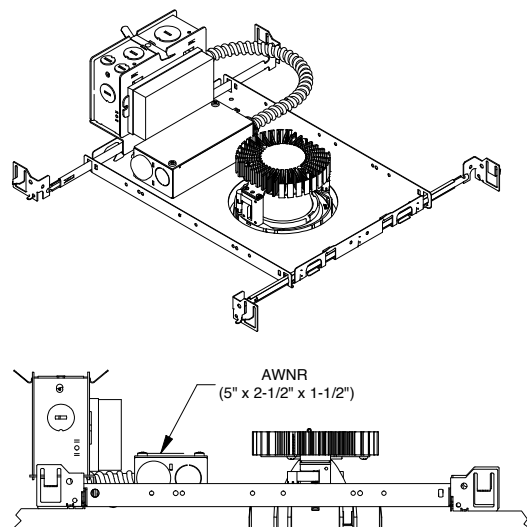
#### Note: Default behavior prior to programming

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

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

**IC/ICAT/CP not available in AWNRR.**

### NC - NEW CONSTRUCTION



### RET - RETRO FIT

