

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU3

Round Adjustable XICATO

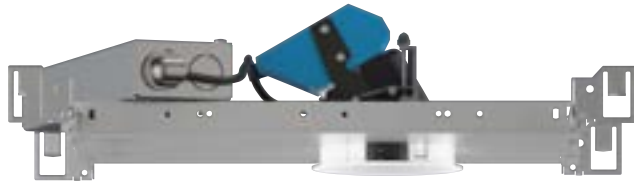


AT
airtight

DF
dead-front

PR
plenum rated

W
wet rated



15° - 55° BEAM (Note: Specifications are subject to change without notice)		
XTM09 LED PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
07LM	590LM @30K/83CRI	11W
10LM	790LM @30K/83CRI	14W
13LM	1050LM @30K/83CRI	20W
16LM	1290LM @30K/83CRI	30W
07LM	610LM @30K/98CRI	14W
10LM	820LM @30K/98CRI	21W
13LM	1100LM @30K/98CRI	31W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)	

XICATO

eldoLED
your product | our drive



CASAMBI

nLIGHT



Trim



Trimless



Trimless Millwork

FEATURES

- True 30° Tilt with <5% beam disruption (clipping)
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 15° - 55° optical beam control
- UGR <5
- Multiple mounting, glare control options, trims, and finishes available

DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- Lutron Hi-lumen 2-Wire (Triac and Eco System) dimming to 0.1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 0.1%
- nLight control interface dimming to 0%

CONSTRUCTION

- Shatter proof acrylic bezel lens
- Lexan™ (PC) Optimal connectivity for wireless control signal
- Impact and chemical resistant at the highest level
- Withstands temperatures up to 240°F
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 0.2" to 1.25"

LED

- SDCM = 1X2 MacAdam Ellipse, Duv +/- 0.001, Lumen Maintenance: L₉₀ > 55,000 hrs

LISTING

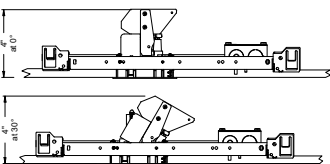
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Dead-front construction (Shower Approved)
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- NSF/ANSI-2 Listed, with lens
- 5 Year Limited warranty

ELECTRICAL

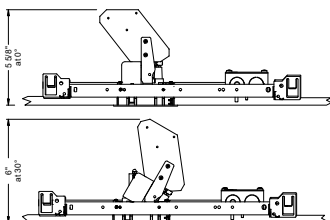
- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

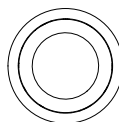
LED LIGHT ENGINE: 700LM - 1000LM



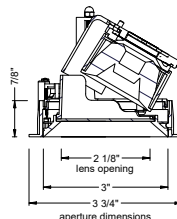
LED LIGHT ENGINE: 1300LM - 1600LM



TRIMMED

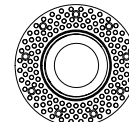


ceiling cutout
3-3/8" diameter
ceiling thickness
0.2" to 1.25"

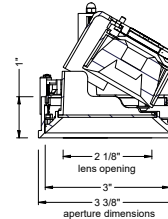


2 1/8" lens opening
3" aperture dimensions

TRIMLESS

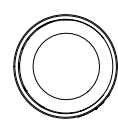


ceiling cutout
3-1/2" diameter
ceiling thickness
0.2" to 1.25"

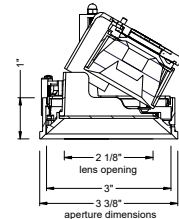


2 1/8" lens opening
3" aperture dimensions

MILLWORK



ceiling cutout
3-3/8" diameter
ceiling thickness
0.3" to 1.25"



2 1/8" lens opening
3" aperture dimensions

alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

15°- 55° BEAM ORDERING CODE

SERIES	NU3	NU3
TYPE	RA	round adjustable
	RAT	round adjustable trimless
	RATMW	round adjustable trimless millwork
LED	XTM09	XICATO XTM 9mm
DELIVERED LUMENS	07LM	590 lm
	10LM	790 lm
	13LM	1050 lm
	16LM	1290 lm
Standard Configuration: 3000K 83CRI 30D NL Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]		
CCT	27K	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	83	83 CRI
	98 ¹	98 CRI
OPTIC & LM MULTIPLIER SEE PAGE 3	15D	15 degrees (0.91)
	25D	25 degrees (0.91)
	35D	35 degrees (0.98)
	55D	55 degrees (1.00)
TIR OPTIC ACCESSORY SEE PAGE 3	NA	no accessory (1.00)
	HCL	honeycomb louver (0.72)
	HETA	high efficiency textured lens, similar to Solite™ (0.91)
	EA ²	elliptical lens (0.85)
Attached to TIR optic, active		
BEZEL LENS SEE PAGE 3	NL ³	no lens (1.00)
	CL	clear lens (0.95)
	DL	diffused lens (0.93)
	HET	high efficiency textured lens, similar to Solite™ (0.93)
	SBL	smoothing beam lens (0.93)
TRIM COLOR SEE PAGE 3	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 SEE PAGE 3	BK	black
	WH	white
	MC	matte chrome
	BZ	bronze
	WT	wheat

15°- 55° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	NC	new construction with ceiling fitting plate
	IC ⁴	insulation contact housing
	ICAT ⁴	insulation contact/airtight housing
	CP ⁴	chicago plenum housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	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%
	LUTP ⁵	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), dimming to 0%
CAS	Casambi Bluetooth control with flicker free 0.1% dimming	
ELECTRICAL OPTIONS	EM7	emergency battery backup, 90 minutes at 7W to LED
	EM12 ⁷	emergency battery backup, 90 minutes at 12W to LED
	EM10CA20	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)	Extends a pair of Bar Hangers Total Mounting Length: 29" to 48"

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:
NU3 - RA - XTM09 - 10LM - 35K - 83 - 35D - NA - HET - WH - WH - NC - UNV - DIM10 - EM7

NOTES

- 98CRI not available in 16LM.
- Elliptical lens actual beam distributions [15D= 35° x 60°, 25D= 40° x 65°, 35D= 45° x 70°, 55D= 55° x 80°]
- NL option does not meet requirement for AT/DF/WET/NSF listings.
- IC/ICAT/CP not available in 83CRI/16LM or 98CRI/13LM/16M.
- LUTP not available in 13LM/16LM.
- ELV1 available in 120V.
- EM12 not available in 83CRI/07LM.

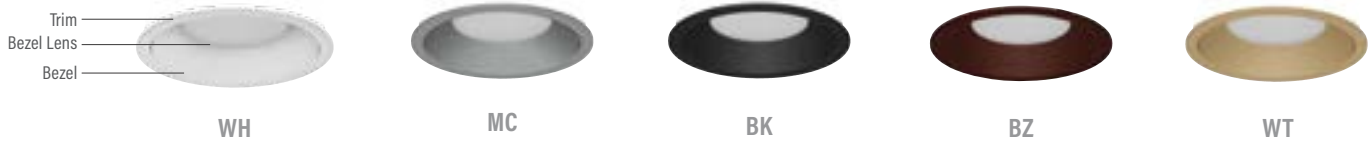
*EldoLED uses logarithmic dimming curve as standard.
For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

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PROJECT INFORMATION		
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TRIM OPTIONS

TRIM/BEZEL COLORS



OPTICAL OPTIONS

• UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
 UGR calculation based on 13LM fixtures, unless otherwise noted.

TIR OPTIC ACCESSORY

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
15D	17	≤5
25D	22.1	≤5
35D	28	≤5
55D	48	12.1

NL

No Lens



OPTIC	BEAM ANGLE	UGR
15D	17	≤5
25D	24	6.2
35D	32	≤5
55D	54	15.1

CL

Clear Lens



OPTIC	BEAM ANGLE	UGR
15D	17	≤5
25D	23.7	6.7
35D	32	5.7
55D	55	15

DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
15D	36.4	16.6
25D	40	18.1
35D	43.5	18.9
55D	58.3	22

HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	22.5	7
25D	27.5	10.4
35D	32.5	11.1
55D	53	17.2

SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
15D	17.3	≤5
25D	24.2	7.3
35D	32	6.8
55D	55	15.1

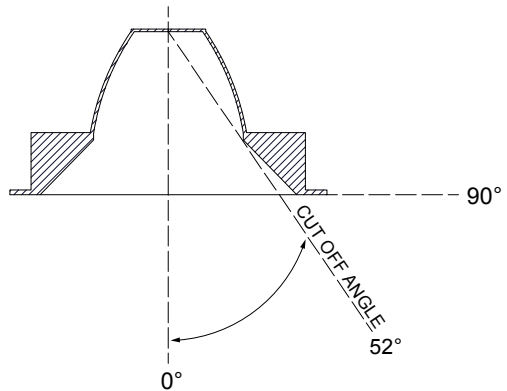
GLARE CONTROL

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 52 degrees;



alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
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PHOTOMETRIC DATA

15D 17° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	1.8
8	2.4
10	3
12	3.6
14	4.2
Illuminance at Center (fc)	
156	
88	
56	
39	
29	
WATTS: 14	LPW: 51.3
LUMENS: 718	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5607
5	4376
15	1048
25	105
35	13
45	2

25D 24° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	2.5
8	3.4
10	4.2
12	5.1
14	5.9
Illuminance at Center (fc)	
93	
52	
33	
23	
17	
WATTS: 14	LPW: 51.3
LUMENS: 719	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	3347
5	2931
15	1152
25	234
35	37
45	6

35D 32° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	3.4
8	4.5
10	5.6
12	6.7
14	7.8
Illuminance at Center (fc)	
73	
41	
26	
18	
13	
WATTS: 14	LPW: 56.6
LUMENS: 792	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2624
5	2483
15	1401
25	334
35	27
45	3

55D 54° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	6.1
8	8.2
10	10.2
12	12.3
14	14.3
Illuminance at Center (fc)	
29	
17	
11	
7	
5	
WATTS: 14	LPW: 54.9
LUMENS: 769	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1031
5	1044
15	998
25	627
35	143
45	11

15D 17° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	1.8
8	2.4
10	3
12	3.6
14	4.2
Illuminance at Center (fc)	
275	
155	
99	
69	
51	
WATTS: 30	LPW: 42.3
LUMENS: 1270	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	9915
5	7739
15	1854
25	186
35	23
45	3

25D 24° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	2.5
8	3.4
10	4.2
12	5.1
14	5.9
Illuminance at Center (fc)	
164	
92	
59	
41	
30	
WATTS: 30	LPW: 42.4
LUMENS: 1271	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5918
5	5184
15	2037
25	413
35	65
45	10

35D 32° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	3.4
8	4.5
10	5.6
12	6.7
14	7.8
Illuminance at Center (fc)	
129	
73	
46	
32	
24	
WATTS: 30	LPW: 46.7
LUMENS: 1401	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	4640
5	4392
15	2478
25	590
35	47
45	6

55D 54° NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	6.1
8	8.2
10	10.2
12	12.3
14	14.3
Illuminance at Center (fc)	
52	
29	
19	
13	
10	
WATTS: 30	LPW: 45.3
LUMENS: 1360	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1823
5	1846
15	1766
25	1109
35	252
45	20

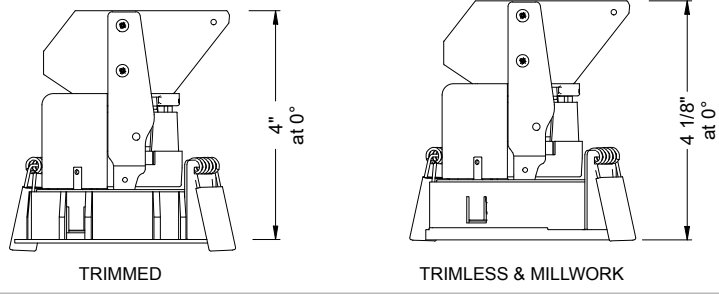
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PROJECT INFORMATION		
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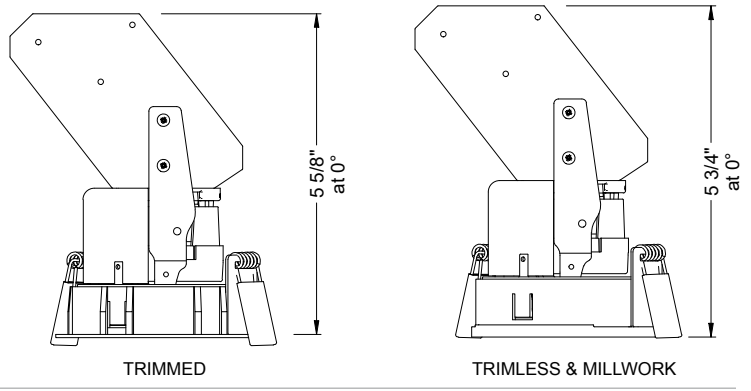
MOUNTING OPTIONS

FIXTURE HEIGHT

LED LIGHT ENGINE: 700LM - 1000LM

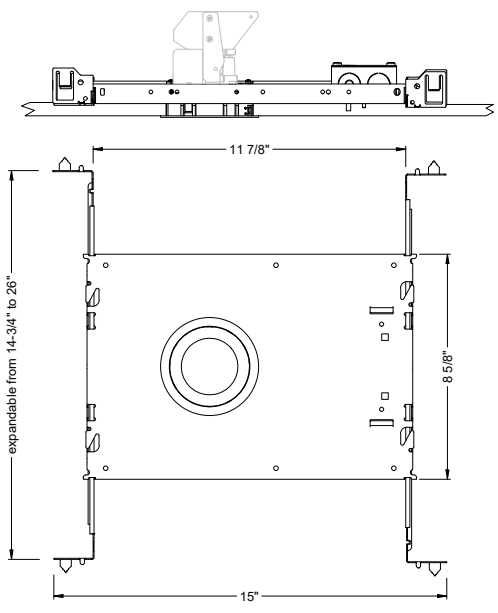


LED LIGHT ENGINE: 1300LM - 1600LM

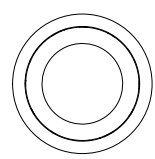


NC - NEW CONSTRUCTION

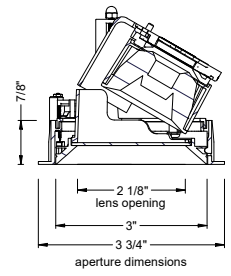
TRIM



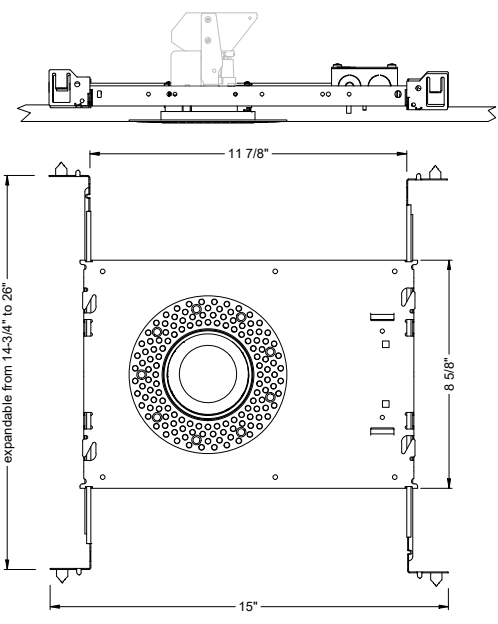
TRIM



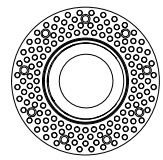
ceiling cutout
3-3/8" diameter
ceiling thickness
0.2" to 1.25"



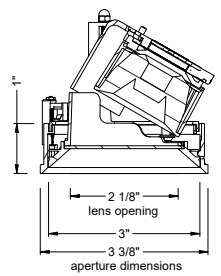
TRIMLESS



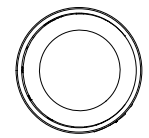
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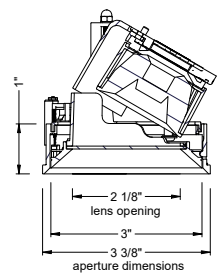
ceiling cutout
3-1/2" diameter
ceiling thickness
0.2" to 1.25"



TRIMLESS/MILLWORK



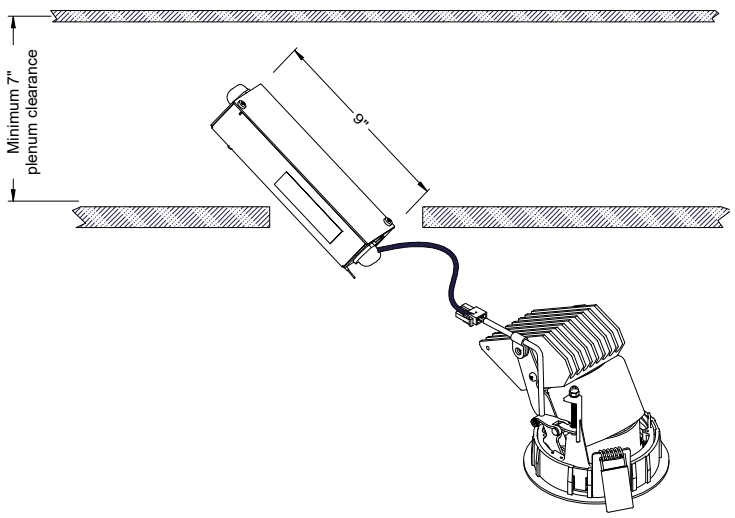
ceiling cutout
3-3/8" diameter
ceiling thickness
0.3" to 1.25"



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MOUNTING OPTIONS (CONTINUED)

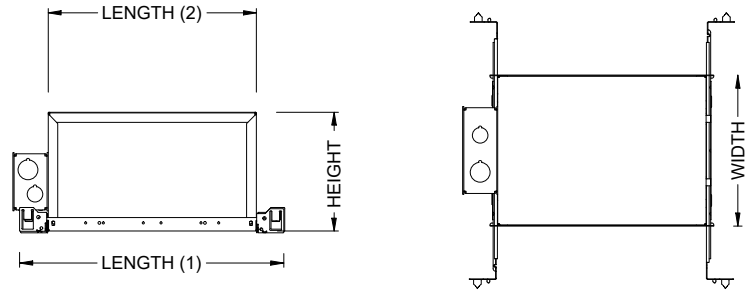
RET - RETRO TRIM/TRIMLESS



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
	STANDARD CEILING THICKNESS
TRIM	0.2" to 1.25"
TRIMLESS	0.2" to 1.25"
MILLWORK (TRIMLESS)	0.3" to 1.25"

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



BOX SIZE	L 1	L 2	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"
C	18 - 1/4"	14 - 7/8"	12 - 1/8"	6 - 3/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (15° - 55°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX - C
	CP	IC	ICAT	IC	ICAT
07LM	✓	✓	✓		
10LM	✓	✓	✓		
13LM	✓	✓	✓		
16LM					

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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

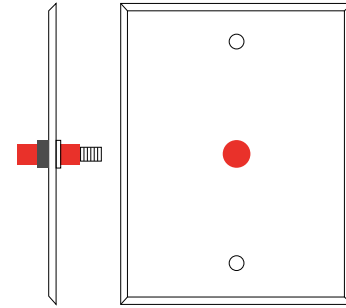
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is 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.



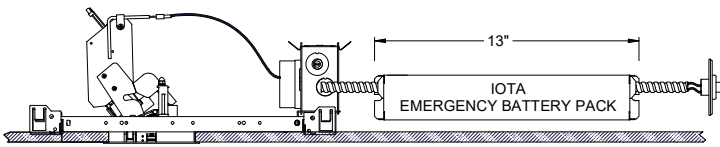
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)

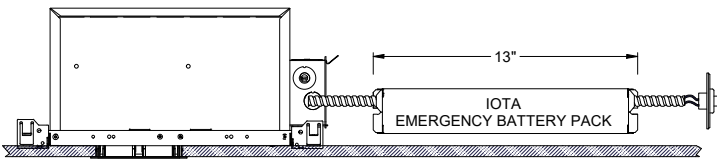
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (07LM TO 16LM)	350LM	490LM	590LM

Notes: Based on 30K, 83CRI

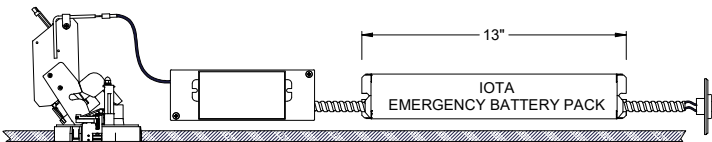
NC - NEW CONSTRUCTION WITH EM BATTERY (REMOTE TEST SWITCH)



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

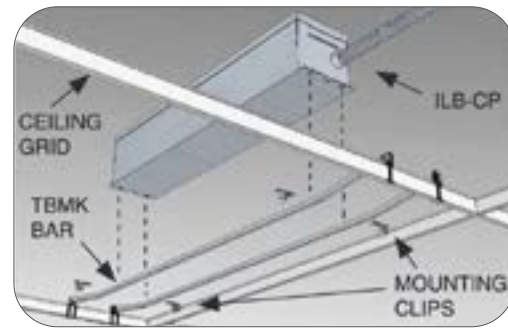


RET - RETROFIT WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit¹



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