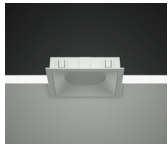
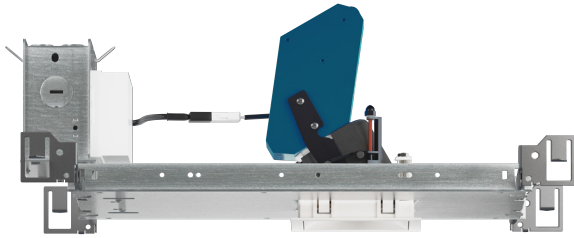


PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU3

3" Square Adjustable XICATO



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
20LM	1690LM @30K/83CRI	37W
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)	



FEATURES

- True 30° Tilt with <5% beam disruption (clipping)
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 360° full rotation
- 15° - 55° optical beam control
- UGR <5
- Multiple mounting and glare control options

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-lumen 2-Wire (Triac and Eco System) dimming to 0.1% and 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 0.1%
- nLight control interface dimming to 0%

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 0.2" to 1.50"

LED

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

LISTING

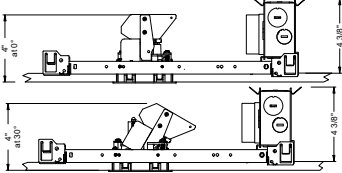
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Dead-front construction (Shower Approved)
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- NSF/ANSI-2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

ELECTRICAL

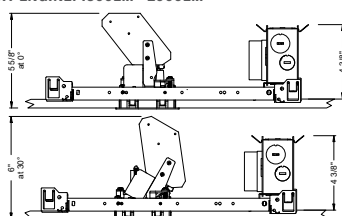
- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

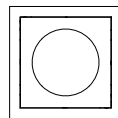
LED LIGHT ENGINE: 700LM - 1000LM



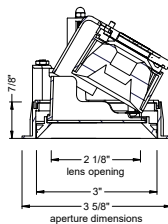
LED LIGHT ENGINE: 1300LM - 2000LM



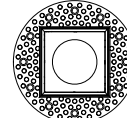
TRIMMED



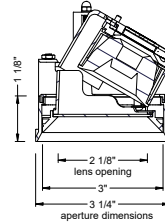
ceiling cutout
3-1/4" square
ceiling thickness
0.2" to 1.50"



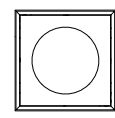
TRIMLESS



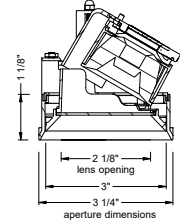
ceiling cutout
3-1/2" square
ceiling thickness
0.2" to 1.50"



MILLWORK



ceiling cutout
3-9/32" square
ceiling thickness
0.3" to 1.50"



alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

15° - 55° BEAM ORDERING CODE

SERIES	NU3	NU3
TYPE	QA	square adjustable
	QAT	square adjustable trimless
	QATMW	square adjustable trimless millwork
LED	XTM09	XICATO XTM 9mm
DELIVERED LUMENS	07LM	590 lm
	10LM	790 lm
	13LM	1050 lm
	20LM	1690 lm
Standard Configuration: 3000K 83CRI 35D 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)
	55D	55 degrees (0.98)
	35D	35 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%
	DMXZ	DMX dim to zero
	LTE ⁵	Lutron Hi-lume 2-Wire (Triac) dimming to 1%
	LUTP ⁶	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1 ⁷	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 ⁸	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 - QA - XTM09 - 10LM - 35K - 83 - 35D - NA - HET - WH - WH - NC - UNV - DIM10 - EM7

NOTES

- 98CRI not available for 20LM.
- Elliptical lens actual beam distributions for optic
[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/20LM or 98CRI/13LM/20M.
- LTE (120V input) not available in 07LM.
- LUTP not available in 13LM/20LM.
- ELV1 available in 120V.
- EM12 not available in 83CRI/07LM.

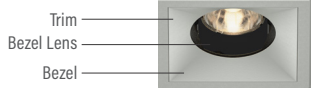
*EldoLED uses logarithmic dimming curve as standard.
For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

alphabet

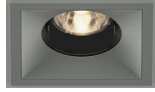
PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

TRIM OPTIONS

TRIM/BEZEL COLORS



WH



MC



BK



BZ



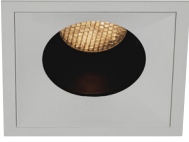
WT

OPTICAL OPTIONS

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

TIR OPTIC ACCESSORY

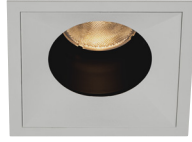
Honeycomb Louver



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

NL

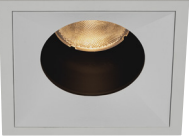
No Lens



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

CL

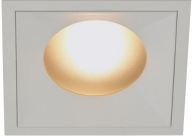
Clear Lens



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

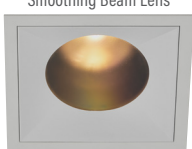
High Efficiency Textured Lens



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

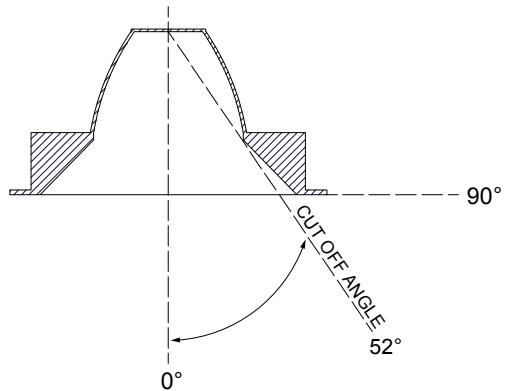
GLARE CONTROL

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
ORDERING CODE		

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)	
333	
187	
120	
83	
61	
WATTS: 36.5	LPW: 42.1
LUMENS: 1536	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	11994
5	9362
15	2243
25	225
35	27
45	4

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)	
199	
112	
72	
50	
37	
WATTS: 36.5	LPW: 42.1
LUMENS: 1538	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	7160
5	6271
15	2464
25	500.145
35	79
45	12

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)	
156	
88	
56	
39	
29	
WATTS: 36.5	LPW: 46.4
LUMENS: 1694	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	5614
5	5313
15	2998.06
25	714
35	57
45	7

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)	
63	
35	
23	
16	
12	
WATTS: 36.5	LPW: 45.1
LUMENS: 1645	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2205
5	2233
15	2136
25	1341
35	305
45	24

alphabet

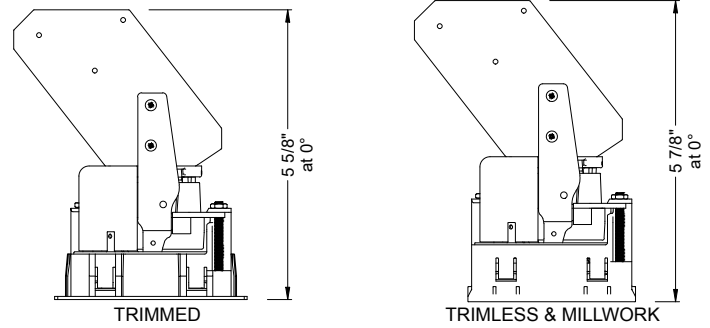
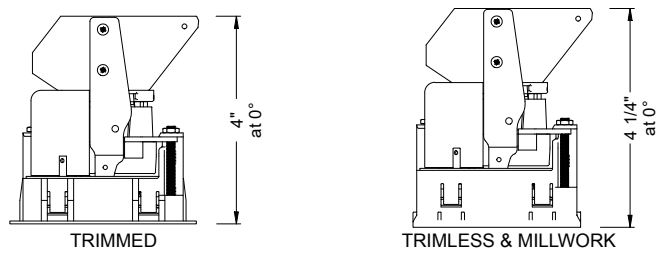
PROJECT INFORMATION		
JOB NAME	TYPE	
ORDERING CODE		

MOUNTING OPTIONS

FIXTURE HEIGHT

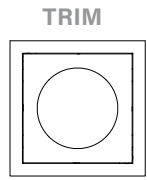
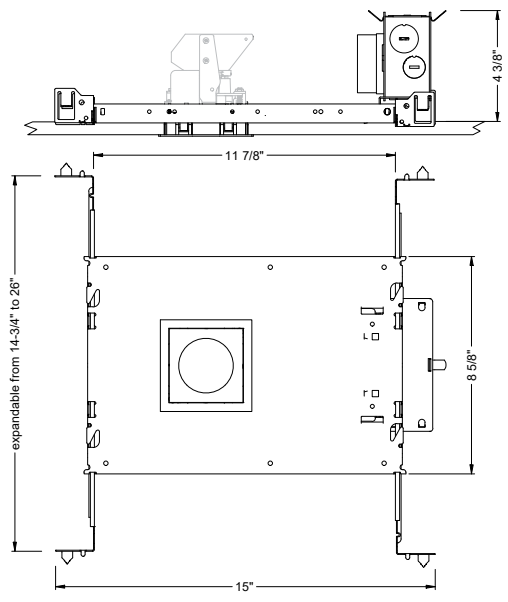
LED LIGHT ENGINE: 700LM - 1000LM

LED LIGHT ENGINE: 1300LM - 2000LM

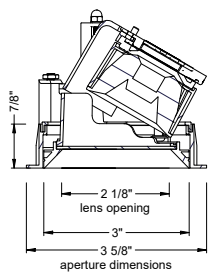


NC - NEW CONSTRUCTION

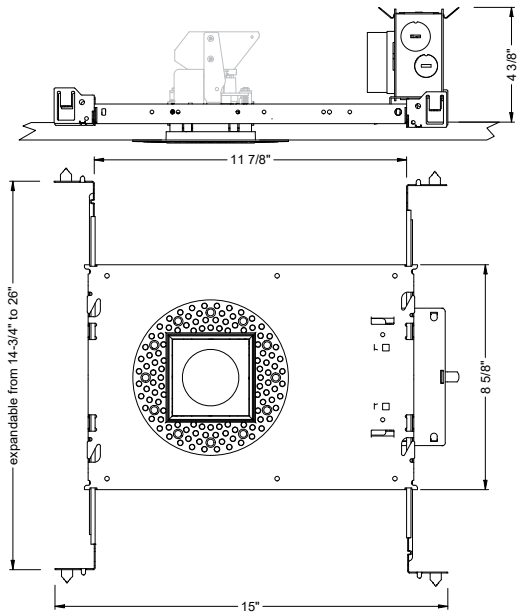
TRIM



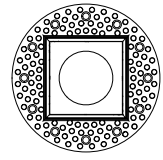
ceiling cutout
3-1/4" square
ceiling thickness
0.2" to 1.50"



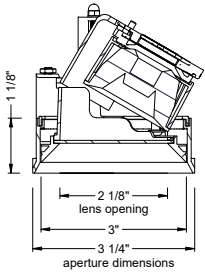
TRIMLESS



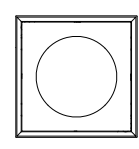
TRIMLESS



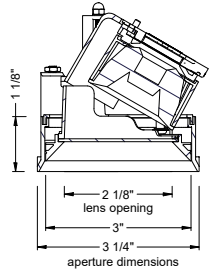
ceiling cutout
3-1/2" square
ceiling thickness
0.2" to 1.50"



TRIMLESS/MILLWORK



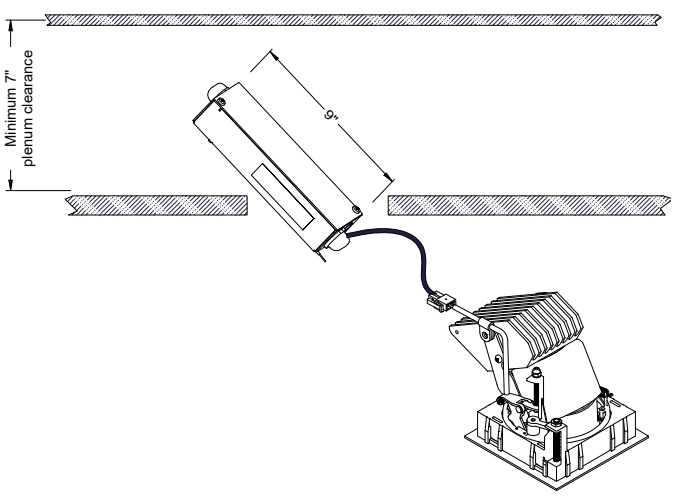
ceiling cutout
3-9/32" square
ceiling thickness
0.3" to 1.50"



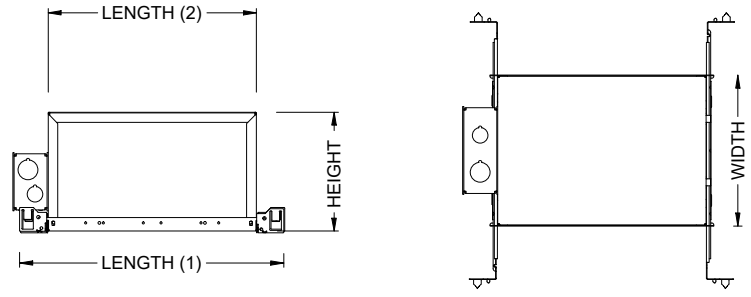
PROJECT INFORMATION		
JOB NAME	TYPE	
ORDERING CODE		

MOUNTING OPTIONS (CONTINUED)

RET - RETRO TRIM/TRIMLESS



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"

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	✓	✓	✓	✓	✓

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (15° - 55°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX - C
	CP	IC	ICAT	IC	ICAT
07LM	✓	✓	✓		
10LM	✓	✓	✓		
13LM	✓	✓	✓		
20LM					

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	STANDARD CEILING THICKNESS
TRIM	0.2" to 1.50"
TRIMLESS	0.2" to 1.50"
MILLWORK (TRIMLESS)	0.3" to 1.50"

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 electric 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

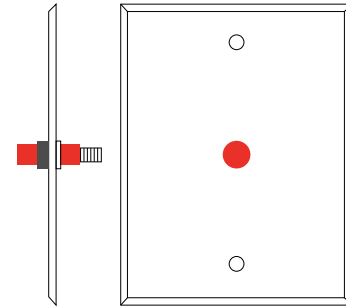
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

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.

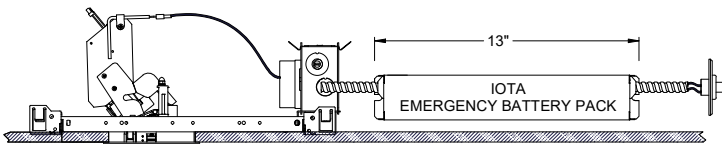


Remote Test Switch

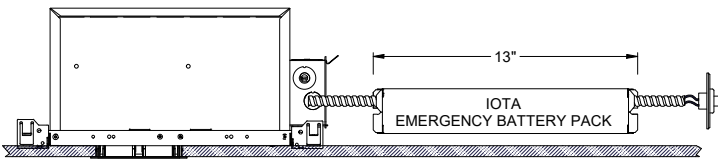
EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (07LM TO 16LM)	350LM	490LM	590LM

Notes: Based on 30K, 83CRI

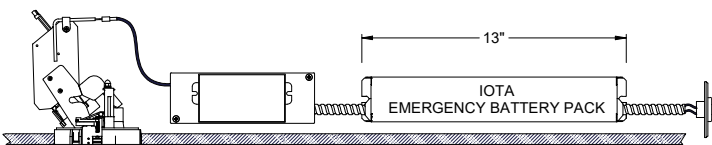
NC - NEW CONSTRUCTION WITH EM BATTERY (REMOTE TEST SWITCH)



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

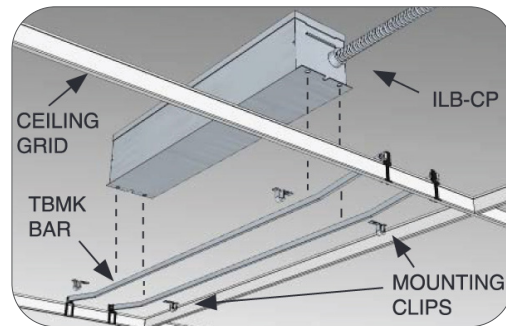


RET - RETROFIT WITH EM BATTERY (REMOTE TEST SWITCH)



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.