alphabet

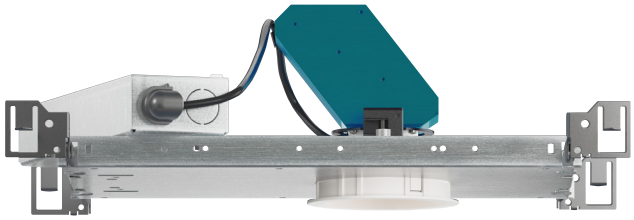
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU3

3" Round Downlight Warm Dim

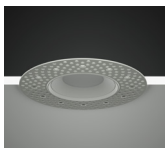
NSF · AT airtight · DF dead-front · PR plenum rated · wet rated

40° - 70° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**SYSTEM WATTAGE**
10LM	760LM @30K/97CRI	13W
13LM	980LM @30K/97CRI	17W
20LM	1510LM @30K/97CRI	27W
30LM	2180LM @30K/97CRI	40W
Notes	Delivered lumens based on 60° optic with diffused lens (see page 2)	





Trim



Trimless



Trimless Millwork

FEATURES
- 3/4" bezel regress with 1/16" micro flange
- 40° - 70° optical beam control
- UGR < 15
- Up to 58 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%
- Lutron Hi-lumen 2-Wire (Eco System) dimming to 0.1% and 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi dimming to 1.0%
- 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 1-3/8"

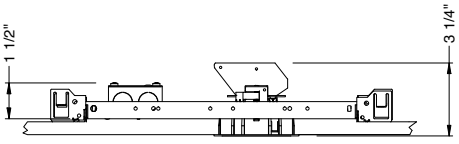
LED
- Luminus Dim-to-warm COB: 97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs

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

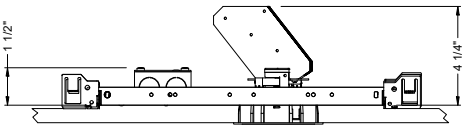
ELECTRICAL
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

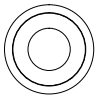
LED LIGHT ENGINE 10LM-20LM



LED LIGHT ENGINE 30LM

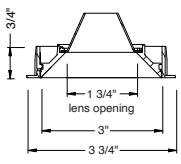


TRIMMED



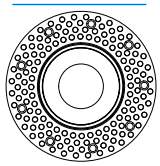
ceiling cutout 3-3/8" diameter

ceiling thickness 1/8" to 1-1/4"



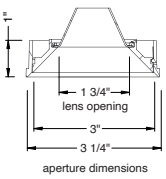
aperture dimensions

TRIMLESS



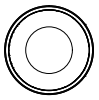
ceiling cutout 3-1/2" diameter

ceiling thickness 3/8" to 1-3/8"



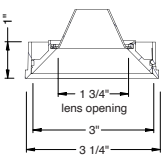
aperture dimensions

MILLWORK



ceiling cutout 3-1/2" diameter

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



aperture dimensions

100122

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.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE			
SERIES	NU3	NU3	
TYPE	RD	round downlight	
	RDT	round downlight trimless	
	RDTMW	round downlight trimless millwork	
LED	WD	warm dim (Luminus)	
DELIVERED LUMENS	10LM	760 lm	
	13LM	980 lm	
	20LM	1510 lm	
	30LM[1]	2180 lm	
	Standard Configuration: 3000K 97CRI HE60 **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	3018	3000K, dim to 1800K	

CCT at Light Level (%LF)				
%LF	30LM	20LM	13LM	10LM
100%	3000	3000	3000	3000
50%	3000	3000	3000	2800
25%	2800	2800	2500	2300
10%	2200	2200	2000	1900
5%	1800	1800	1800	1800

CRI	97	97 CRI	
OPTIC & LM MULTIPLIER SEE PAGE 3	HE40	40° high efficiency diffused lens	(0.97)
	HE60	60° high efficiency diffused lens	(1.00)
	D40	40° diffused with clear lens	(0.92)
	D60	60° diffused with clear lens	(0.91)
	WH70	70° brilliant white with clear lens	(0.90)
ACCESSORY SEE PAGE 3	HCL[2]	honeycomb louver	
	Attached to bezel		
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 3	BK	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	BZ	bronze	(0.98)
	WT	wheat	(0.99)
	CC[3]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

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[5]	eldoLED flicker free 0-10V dimming to 0%
	DALI	eldoLED flicker free DALI-2 dimming to 1%
	DALIZ[5]	eldoLED flicker free DALI-2 dimming to 0%
	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[8]	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off
	CAS	Casambi control with flicker free 1% dimming
ELECTRICAL OPTIONS	EM7	emergency battery backup, 90 minutes at 7W to LED
	EM12	emergency battery backup, 90 minutes at 12W to LED
	EM10CA20	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 - RD - WD - 10LM - 3018 - 97 - HE40 - WH - WH - NC - UNV - DIM10 - EM7

NOTES

1. 30LM available in ELV1/DIM10 dimming.
2. HCL not available with lens.
3. Custom set up fee plus minimum quantity required per color.
4. IC/ICAT/CP not available in 20LM/30LM.
5. 30LM not available.
6. LUTP not available in 20LM/30LM.
7. ELV1 available in 120V.
8. For servicing access above ceiling is required.

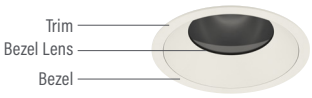
* Values shown are for reference only. Actual CCT may vary.

alphabet

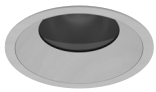
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



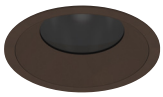
WH



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
D40	42	12.5
D60	53	15
WH70	70	20.5

NL
No Lens



OPTIC	BEAM ANGLE	UGR
D40	46	17.5
D60	57	19.8
WH70	80	25.7

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
D40	46	17.7
D60	57	19.6
WH70	80	25.4

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
HE40	49	21.5
HE60	63	23.4

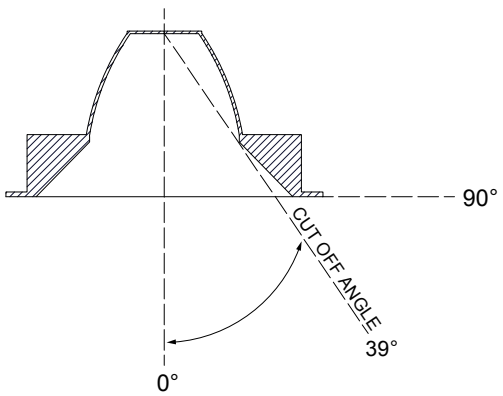
GLARE CONTROL

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 39° degrees;



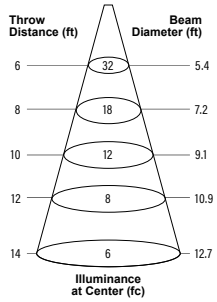
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

13LM

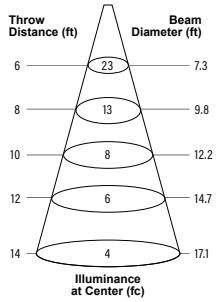
HE40 — 49° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 17	LPW: 57.6
LUMENS: 979	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1153
5	1117
15	876
25	556
35	302
45	146

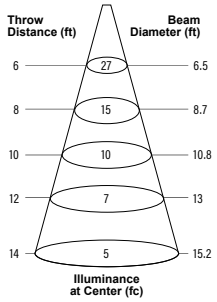
HE60 — 63° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 17	LPW: 57.8
LUMENS: 982	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	817
5	802
15	698
25	526
35	346
45	194

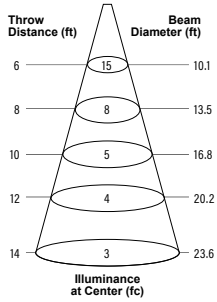
D60 — 57° DIFFUSED WITH CLEAR LENS



WATTS: 17	LPW: 51.2
LUMENS: 870	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	969
5	948
15	799
25	579
35	296
45	97

WH70 — 80° BRILLIANT WHITE WITH CLEAR LENS

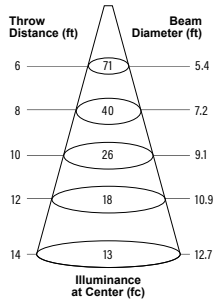


WATTS: 17	LPW: 52.9
LUMENS: 899	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	534
5	530
15	492
25	417
35	319
45	214

30LM

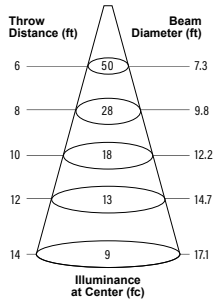
HE40 — 49° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39	LPW: 55.8
LUMENS: 2175	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2562
5	2483
15	1948
25	1235
35	672
45	324

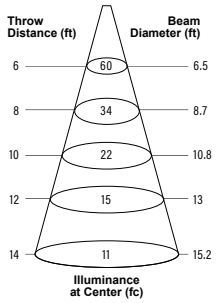
HE60 — 63° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39	LPW: 56
LUMENS: 2183	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1815
5	1783
15	1550
25	1169
35	768
45	432

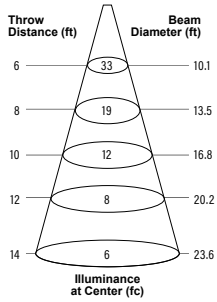
D60 — 57° DIFFUSED WITH CLEAR LENS



WATTS: 39	LPW: 49.6
LUMENS: 1933	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2154
5	2106
15	1775
25	1286
35	658
45	215

WH70 — 80° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 39	LPW: 51.2
LUMENS: 1998	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1186
5	1179
15	1093
25	927
35	710
45	476

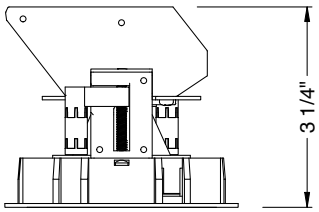
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

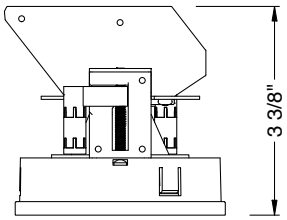
MOUNTING OPTIONS

FIXTURE HEIGHT

LED LIGHT ENGINE 10LM-20LM

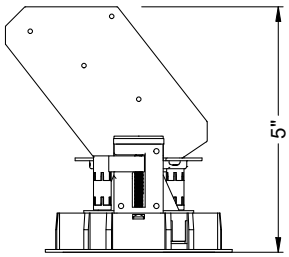


TRIMMED

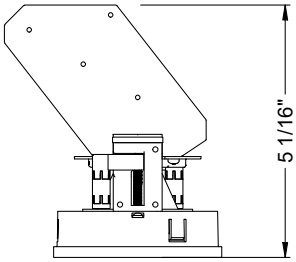


TRIMLESS & MILLWORK

LED LIGHT ENGINE 30LM



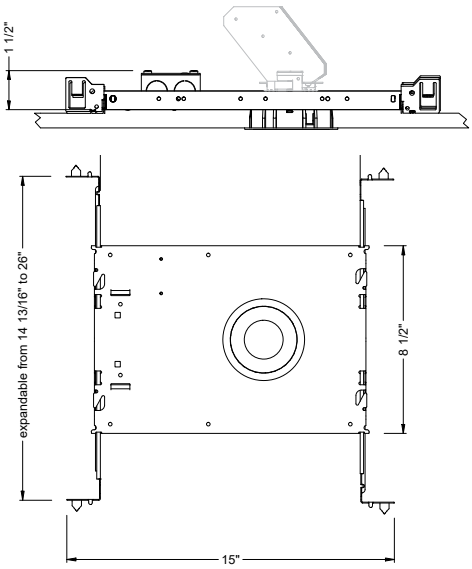
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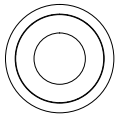
TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

TRIM

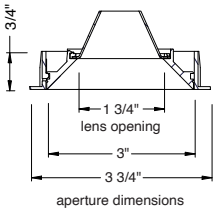


TRIM



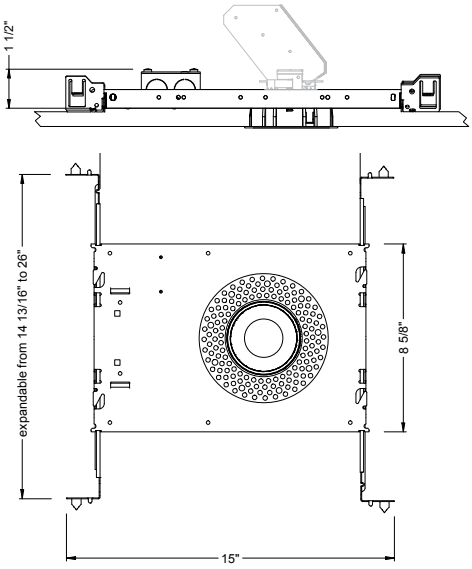
ceiling cutout
3-3/8" diameter

ceiling thickness
1/8" to 1-1/4"

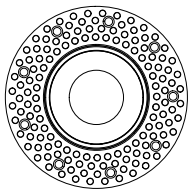


aperture dimensions

TRIMLESS

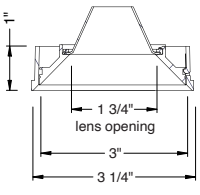


TRIMLESS



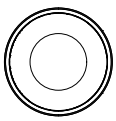
ceiling cutout
3-1/2" diameter

ceiling thickness
3/8" to 1-3/8"



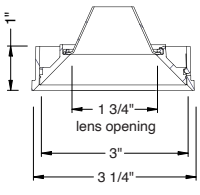
aperture dimensions

TRIMLESS/MILLWORK



ceiling cutout
3-1/2" diameter

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



aperture dimensions

100122

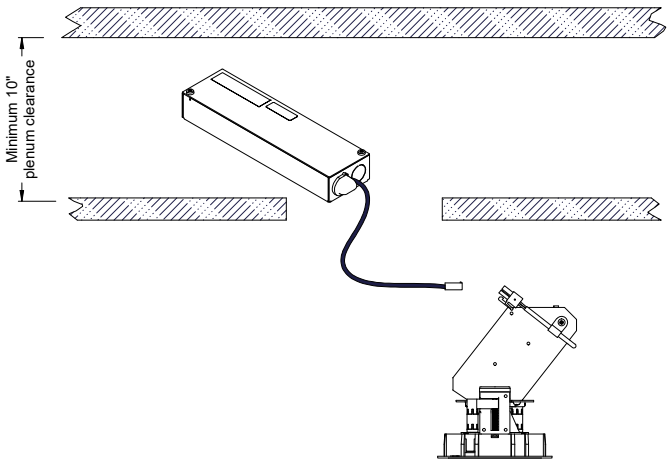
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

alphabet

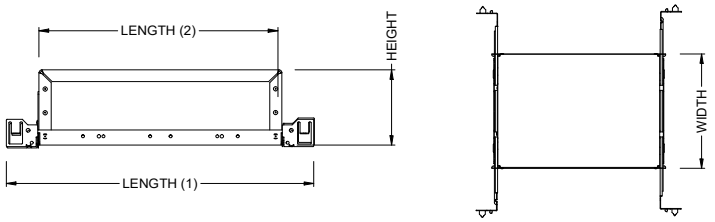
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

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"

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
	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-5/8"
TRIMLESS	3/8" to 1-3/8"
MILLWORK (TRIMLESS)	1/2" to 1-3/8"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (40° - 70)			
LUMEN OUTPUT	BOX - A		
	IC	ICAT	CP
10LM	✔	✔	✔
13LM	✔	✔	✔
20LM			
30LM			

alphabet

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 Luminares.

REMOTE TEST SWITCH

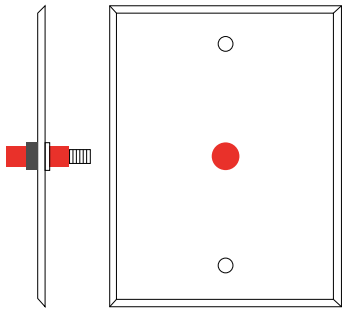
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

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

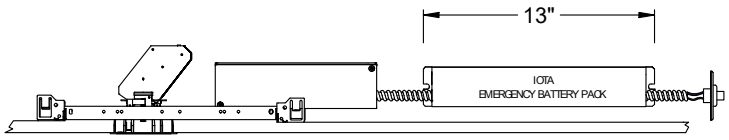
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



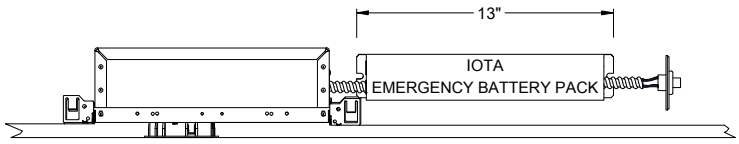
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 30LM)	290LM	460LM	560LM
Notes: Based on 30K, 80CRI			

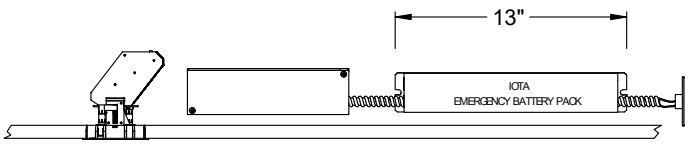
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



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

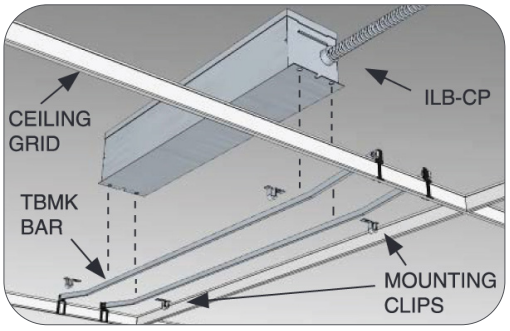


RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit[1]



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