alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU4 LOPRO

4" Round Downlight Warm Dim

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

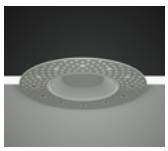
25° - 80° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	800LM @30K/97CRI	13W
13LM	1040LM @30K/97CRI	17W
20LM	1600LM @30K/97CRI	27W
30LM	2400LM @30K/97CRI	40W
Notes	Delivered lumens based on HE40 optic (see page 2)	

LUMINUS





Trim



Trimless



Trimless Millwork

FEATURES

- Thermally optimized for LED longevity
- Double jointed driver box allows for 4" shallow plenum installation
- 3/4" bezel regress with 1/16" micro flange
- 25° - 80° optical beam control
- UGR < 15
- Multiple mounting, glare control options, trims, and finishes available

DIMMING AND CONTROLS

- 0-10V dimming to 1%
- leading & trailing edge (Triac / ELV) dimming to 1%

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 1/8" to 1-5/8"

LED

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

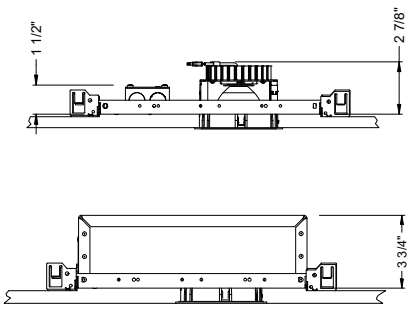
LISTING

- 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

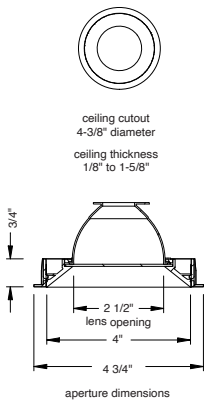
ELECTRICAL

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

FIXTURE HEIGHT

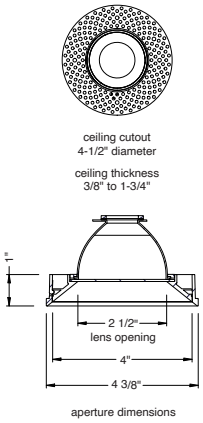


TRIMMED



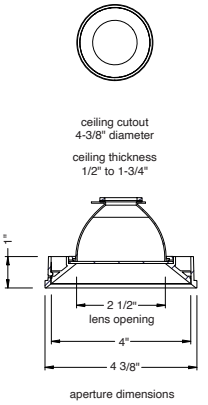
aperture dimensions

TRIMLESS



aperture dimensions

MILLWORK



aperture dimensions

100954

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			

25°- 80° BEAM ORDERING CODE

SERIES	**NU4**	NU4	
TYPE	**RDLP**	round downlight lopro	
	RDTLP	round downlight trimless lopro	
	RDTMWLP	round downlight trimless millwork lopro	
LED	**WD**	warm dim (Luminus)	
DELIVERED LUMENS	**10LM**	800 lm	
	13LM	1040 lm	
	20LM	1600 lm	
	30LM	2400 lm	
	Standard Configuration: 3000K 97CRI HE55 **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier] x [Lens Multiplier]		
CCT	**3018**	3000K, dim to 1800K	

CCT	2700K		3000K		3500K		4000K	
CRI	80+	90+	80+	90+	80+	90+	80+	90+
CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.81	1.00	0.85	1.03	0.88	1.06	0.91

CRI	**97**	97 CRI	
OPTIC & LM MULTIPLIER SEE PAGE 3	**HE80**	80° high efficiency diffused lens	(0.91)
	HE55	55° high efficiency diffused lens	(0.99)
	HE40	40° high efficiency diffused lens	(0.99)
	SS60	60° semi-specular with clear lens	(0.97)
	SS40	40° semi-specular with clear lens	(0.85)
	SS25	25° semi-specular with clear lens	(0.95)
	D40	40° diffused with clear lens	(0.89)
	D60	60° diffused with clear lens	(0.93)
	WH80	80° brilliant white with clear lens	(0.93)
ACCESSORY SEE PAGE 3	**HCL**[1]	honeycomb louver	(0.90)
	Attached to bezel		
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	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	BZ	bronze	(0.98)
	WT	wheat	(0.99)

25°- 80° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	**NC**	new construction with ceiling fitting plate
	IC[2]	insulation contact housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	**120**	120V
	UNV	120V-277V
DIMMING	**DIM10**	standard 0-10V dimming to 1%
	ELV1[3]	leading & trailing edge (Triac/ELV) dimming to 1%
ELECTRICAL OPTIONS	**EM7**	emergency battery backup, 90 minutes at 7W to LED
	EM12	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:

NU4 - RDLP - WD - 13LM - 3018 - 97 - HE55 - WH - WH - NC - UNV - DIM10 - EM7

NOTES

1. HCL not available with lens. Multiplier: Delivered Lumens (0.78) / Beam Spread (0.80).
2. IC not available for 30LM.
3. ELV1 dimming available in 120V.

*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 15LM fixtures, unless otherwise noted.

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
SS25	25	14
SS40	41	16.2
SS60	54.6	16.7
D40	38.4	15.8
D60	60.2	17.7
WH80	72	24.4

HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
HE40	39.6	19.1
HE55	55	20.3

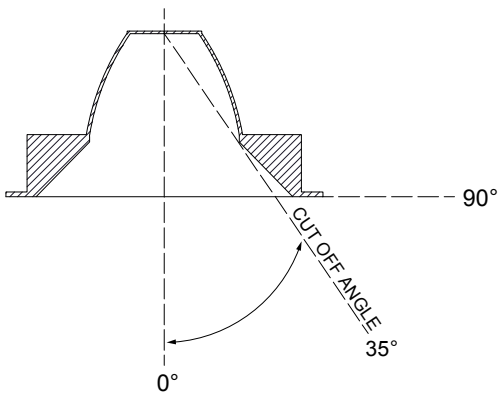
GLARE CONTROL

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 CL is 35 degrees;

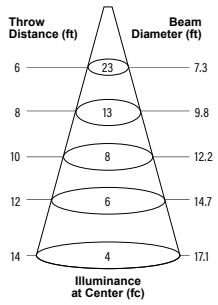


alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

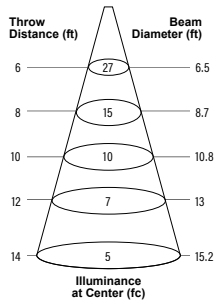
SS25
25° SEMI-SPECULAR WITH CLEAR LENS



WATTS: 17	LPW: 59.7
LUMENS: 1015	CCT: 3000K

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

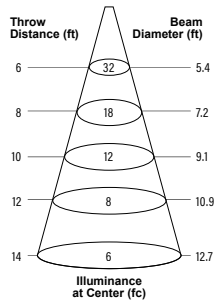
HE40
40° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 17	LPW: 63.5
LUMENS: 1079	CCT: 3000K

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

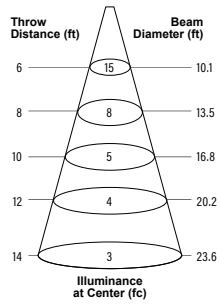
HE55
55° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 17	LPW: 62.6
LUMENS: 1065	CCT: 3000K

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

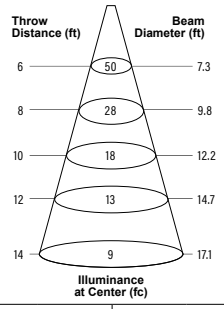
WH80
72° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 17	LPW: 63.5
LUMENS: 1079	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	534
5	530
15	492
25	417.285
35	319
45	214

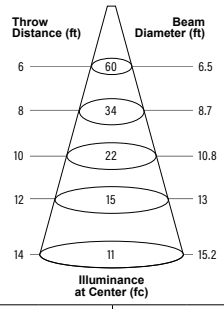
SS25
29° SEMI-SPECULAR WITH CLEAR LENS



WATTS: 39.4	LPW: 58.5
LUMENS: 2305	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1815
5	1783
15	1550
25	1169
35	768
45	432.185

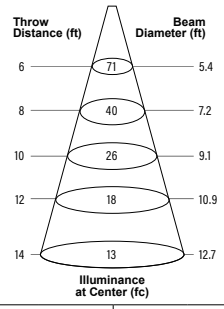
HE40
41° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39.4	LPW: 60.1
LUMENS: 2366	CCT: 3000K

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

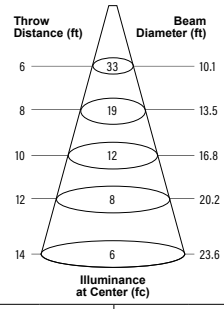
HE55
58° HIGH EFFICIENCY DIFFUSED LENS



WATTS: 39.4	LPW: 60.4
LUMENS: 2379	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2562
5	2483
15	1948
25	1235
35	671.605
45	324

WH80
73° BRILLIANT WHITE WITH CLEAR LENS



WATTS: 39.4	LPW: 60.8
LUMENS: 2394	CCT: 3000K

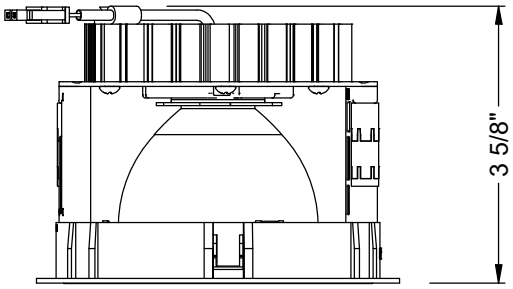
INTENSITY	
DEGREE	CANDELA
0	1186
5	1179
15	1093
25	927.3
35	710
45	476

alphabet

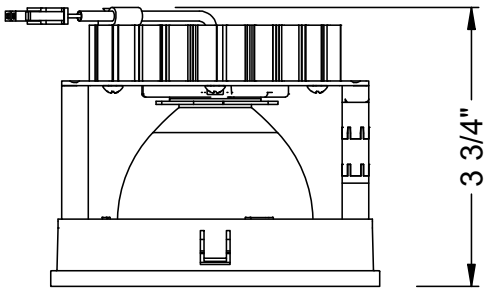
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

FIXTURE HEIGHT



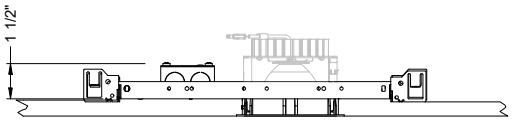
TRIMMED

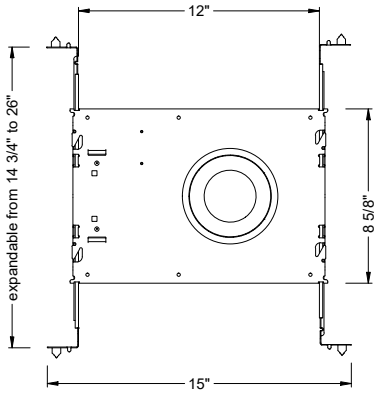


TRIMLESS & MILLWORK

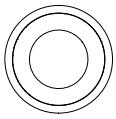
NC - NEW CONSTRUCTION

TRIM



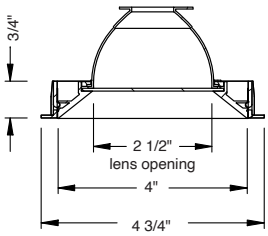


TRIM



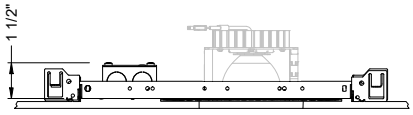
ceiling cutout
4-3/8" diameter

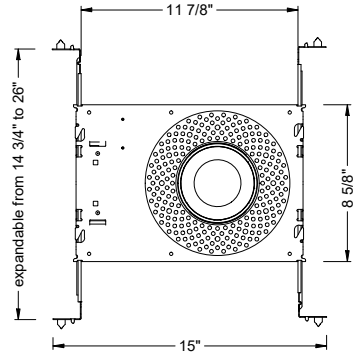
ceiling thickness
1/8" to 1-5/8"



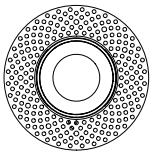
aperture dimensions

TRIMLESS



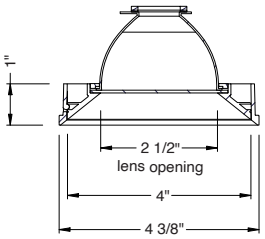


TRIMLESS



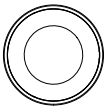
ceiling cutout
4-1/2" diameter

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



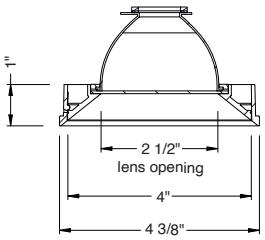
aperture dimensions

TRIMLESS/MILLWORK



ceiling cutout
4-3/8" diameter

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



aperture dimensions

100954

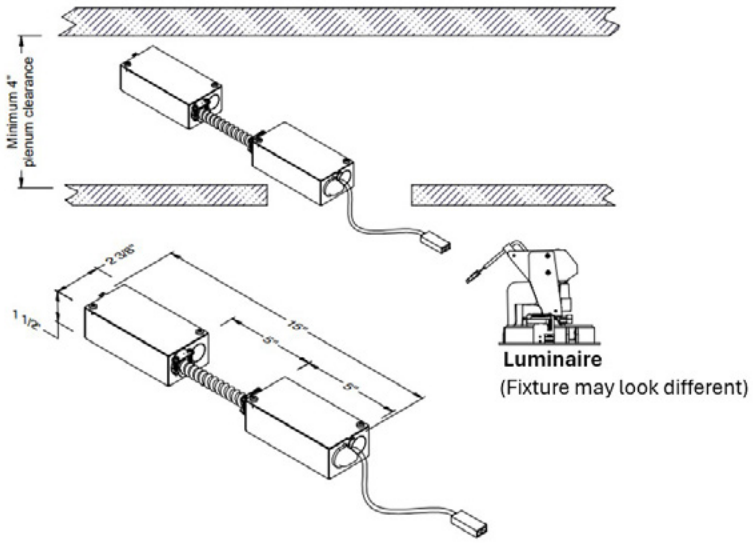
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alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

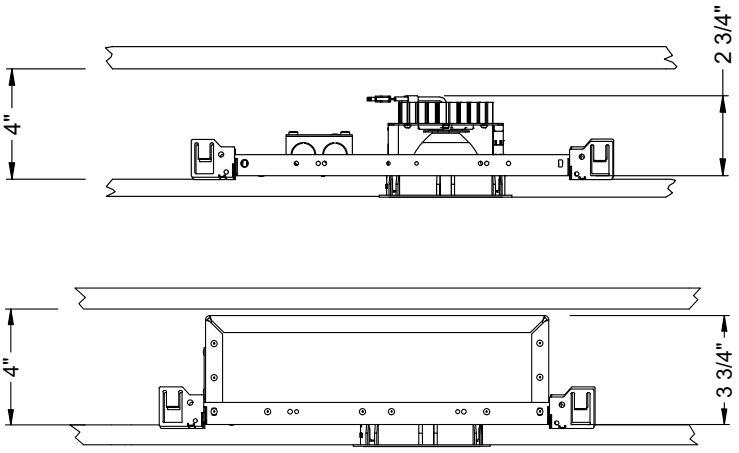
MOUNTING OPTIONS (CONTINUED)

RET - RETRO
TRIM/TRIMLESS

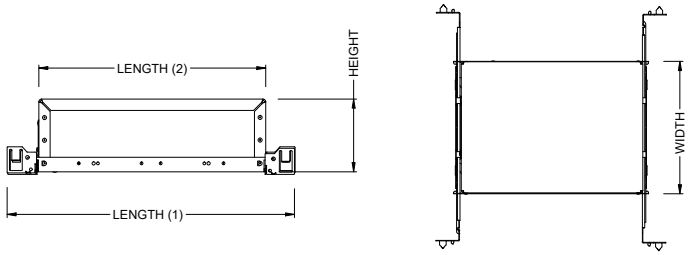


RATINGS / CERTIFICATIONS	NC	RET	IC
TYPE NON-IC	✔	✔	
TYPE IC			✔
CHICAGO PLENUM (CCEA)			
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔

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



IC - INSULATION CONTACT HOUSING



BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	3 - 3/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (25° - 80°)	
LUMEN OUTPUT	BOX - A
	IC
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

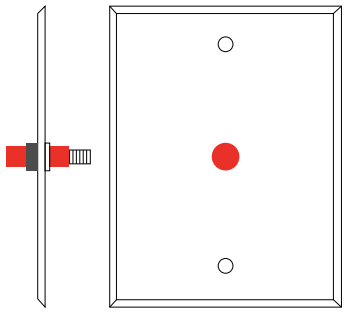
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

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

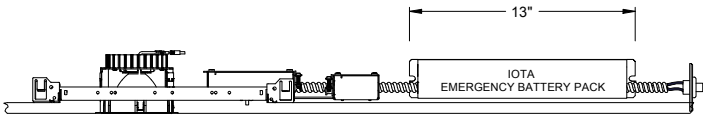
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



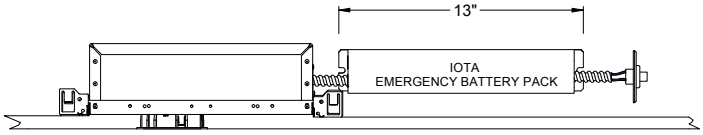
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 20LM)	430LM	611LM	734LM
Notes: Based on 30K, 97CRI			

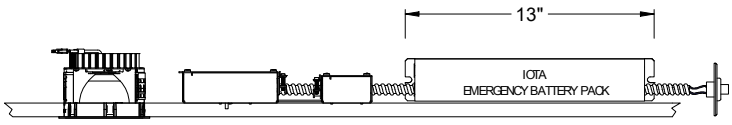
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



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

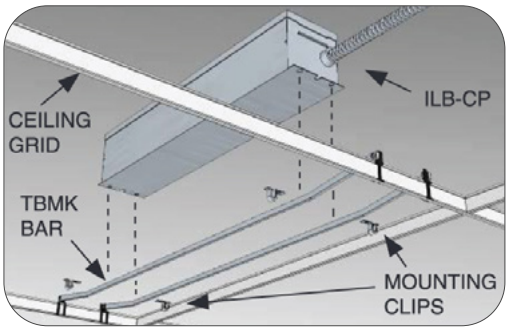


RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit[2]



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

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.