

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## NU3 LOPRO

### Round Downlight Warm Dim

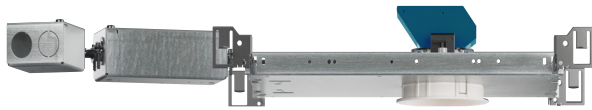


AT  
airtight

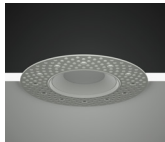
DF  
dead-front



40° - 70° BEAM		
(Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	715LM @30K/97CRI	13W
13LM	930LM @30K/97CRI	17W
20LM	1430LM @30K/97CRI	27W
Notes	Delivered lumens based on HE60 optic with CL lens, (see page 2)	



Trim



Trimless



Trimless Millwork

#### FEATURES

- Double jointed driver box allows for 4" shallow plenum installation
- 40° - 70° optical beam control
- UGR <17
- 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 0.4" to 2.0"

#### LED

- Luminus Dim-to-warm COB:
- 97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L<sub>70</sub> > 54,000 hrs

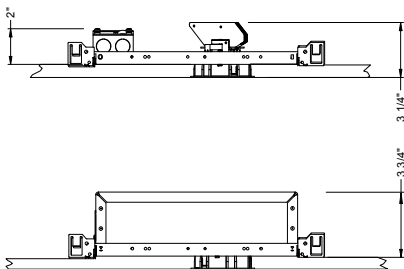
#### LISTING

- ETLus Listed to UL1598, cETL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, Lexan dead-front construction
- Made in the USA - meets the requirements of the Buy American provision within the ARRA

#### 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)

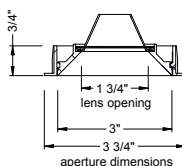
#### FIXTURE HEIGHT



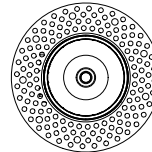
#### TRIMMED



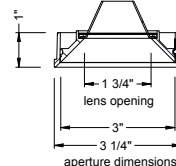
ceiling cutout  
4-3/8" diameter  
ceiling thickness  
1/8" to 1-5/8"



#### TRIMLESS



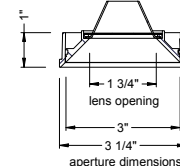
ceiling cutout  
3-1/2" diameter  
ceiling thickness  
3/8" to 5/8"



#### MILLWORK



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



# alphabet

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## 40° - 70° BEAM ORDERING CODE

<b>SERIES</b>	<b>NU3</b>	NU3																																			
<b>TYPE</b>	<b>RDLP</b> <b>RDTLP</b> <b>RDTMWLP</b>	round downlight lopro round downlight trimless lopro round downlight trimless millwork lopro																																			
<b>LED</b>	<b>WD</b>	warm dim (Luminus)																																			
<b>DELIVERED LUMENS</b>	<b>10LM</b> <b>13LM</b> <b>20LM</b>	715 lm 930 lm 1430 lm																																			
	Standard Configuration: HE60 Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]																																				
<b>CCT</b>	<b>3018<sup>1</sup></b>	3000K, dim to 1800K <table border="1"> <thead> <tr> <th colspan="5">CCT at Light Level (%LF)</th> </tr> <tr> <th>%LF</th> <th>20LM</th> <th>15LM</th> <th colspan="2">10LM</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>3000</td> <td>3000</td> <td colspan="2">3000</td> </tr> <tr> <td>50%</td> <td>3000</td> <td>3000</td> <td colspan="2">2800</td> </tr> <tr> <td>25%</td> <td>2800</td> <td>2500</td> <td colspan="2">2300</td> </tr> <tr> <td>10%</td> <td>2200</td> <td>2000</td> <td colspan="2">1900</td> </tr> <tr> <td>5%</td> <td>1800</td> <td>1800</td> <td colspan="2">1800</td> </tr> </tbody> </table>	CCT at Light Level (%LF)					%LF	20LM	15LM	10LM		100%	3000	3000	3000		50%	3000	3000	2800		25%	2800	2500	2300		10%	2200	2000	1900		5%	1800	1800	1800	
CCT at Light Level (%LF)																																					
%LF	20LM	15LM	10LM																																		
100%	3000	3000	3000																																		
50%	3000	3000	2800																																		
25%	2800	2500	2300																																		
10%	2200	2000	1900																																		
5%	1800	1800	1800																																		
<b>CRI</b>	<b>97</b>	97 CRI																																			
<b>OPTIC &amp; LM MULTIPLIER</b> SEE PAGE 3	<b>HE40</b> <b>HE60</b> <b>D40</b> <b>D60</b> <b>WH70</b>	40° high efficiency diffused lens (0.97) 60° high efficiency diffused lens (1.00) 40° diffused with clear lens (0.92) 60° diffused with clear lens (0.91) 70° brilliant white with clear lens (0.90)																																			
<b>ACCESSORY</b> SEE PAGE 3	<b>HCL<sup>2</sup></b>	honeycomb louver Attached to TIR optic, active																																			
<b>BEZEL LENS</b> SEE PAGE 3	<b>NL<sup>3</sup></b>	no lens																																			
<b>TRIM COLOR</b> SEE PAGE 3	<b>BK</b> <b>WH</b> <b>MC</b> <b>BZ</b> <b>WT</b>	black white matte chrome bronze wheat																																			
	Not applicable to trimless option. Do not include in trimless ordering code.																																				
<b>BEZEL COLOR</b> SEE PAGE 3	<b>BK</b> <b>WH</b> <b>MC</b> <b>BZ</b> <b>WT</b>	black white matte chrome bronze wheat																																			

## 40° - 70° BEAM ORDERING CODE

<b>MOUNTING OPTIONS</b> SEE PAGE 5, 6	<b>NC</b> <b>IC<sup>4</sup></b> <b>RET</b>	new construction with ceiling fitting plate insulation contact housing retrofit, no ceiling fitting plate
<b>VOLTAGE</b>	<b>120</b> <b>UNV</b>	120V 120V-277V
<b>DIMMING</b>	<b>DIM10</b> <b>ELV1<sup>5</sup></b>	0-10V dimming leading & trailing edge (Triac/ELV) dimming to 1%
<b>ELECTRICAL OPTIONS</b>	<b>EM7</b> <b>EM12<sup>6</sup></b> <b>EM10CA20</b>	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)	Extends a pair of Bar Hangers Total Mounting Length: 29" to 48"

## YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:
<b>NU3 - RDLP - WD - 13LM - 3018 - 97 - HE40 - HCL - NL - WH - WH - NC - 120 - DIM10 - EM7</b>

Power Factor ≥ 0.9

### NOTES

- Values shown are for reference only. Actual CCT may vary.
- HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.
- NL option does not meet requirement for dead-front, airtight, wet and NSF. Its damp location only.
- IC not available in 20LM.
- Triac/ELV dimming available in 120V only.
- EM12 not available in 10LM.

# alphabet

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## TRIM OPTIONS

### TRIM/BEZEL COLORS



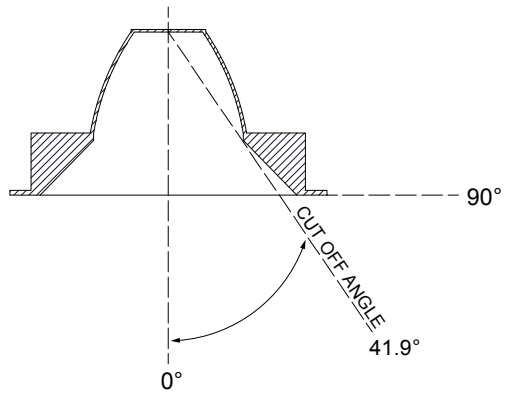
## GLARE CONTROL

### 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 41.9 degrees;

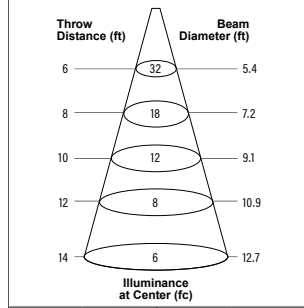


# alphabet

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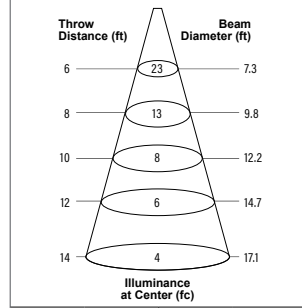
## PHOTOMETRIC DATA

**HE40**  
49° HIGH EFFICIENCY DIFFUSED LENS



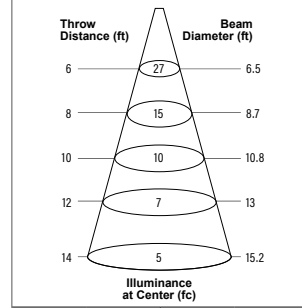
WATTS: 17	LPW: 57.6
LUMENS: 979	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1153
5	1117
15	876
25	556
35	302
45	146

**HE60**  
63° HIGH EFFICIENCY DIFFUSED LENS



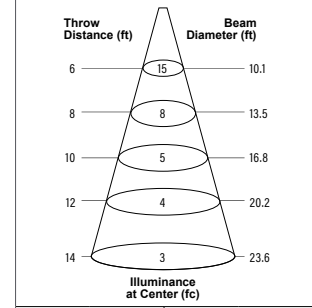
WATTS: 17	LPW: 57.8
LUMENS: 982	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	817
5	802
15	698
25	526
35	346
45	194

**D60**  
57° DIFFUSED WITH CLEAR LENS



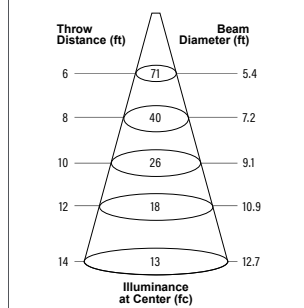
WATTS: 17	LPW: 51.2
LUMENS: 870	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	969
5	948
15	799
25	579
35	296
45	97

**WH70**  
80° BRILLIANT WHITE WITH CLEAR LENS



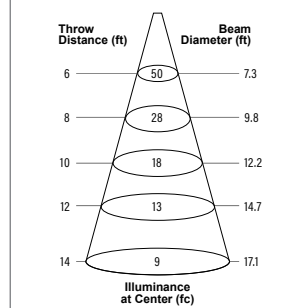
WATTS: 17	LPW: 52.9
LUMENS: 899	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	534
5	530
15	492
25	417.285
35	319
45	214

**HE40**  
49° HIGH EFFICIENCY DIFFUSED LENS



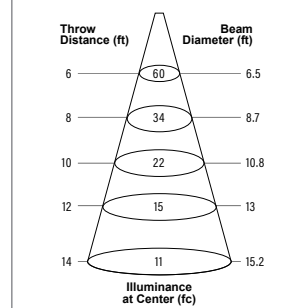
WATTS: 39	LPW: 55.8
LUMENS: 2175	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2562
5	2483
15	1948
25	1235
35	671.605
45	324

**HE60**  
63° HIGH EFFICIENCY DIFFUSED LENS



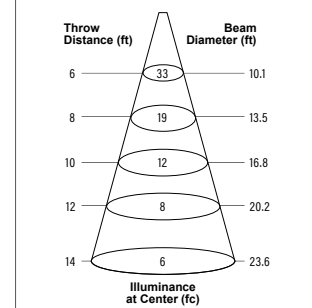
WATTS: 39	LPW: 56
LUMENS: 2183	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1815
5	1783
15	1550
25	1169
35	768
45	432.185

**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



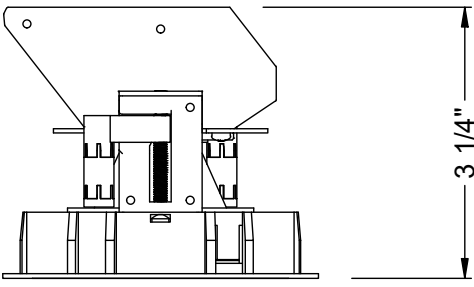
WATTS: 39	LPW: 51.2
LUMENS: 1998	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1186
5	1179
15	1093
25	927.3
35	710
45	476

# alphabet

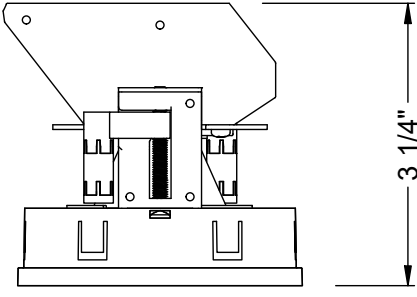
PROJECT INFORMATION		
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## MOUNTING OPTIONS

### FIXTURE HEIGHT



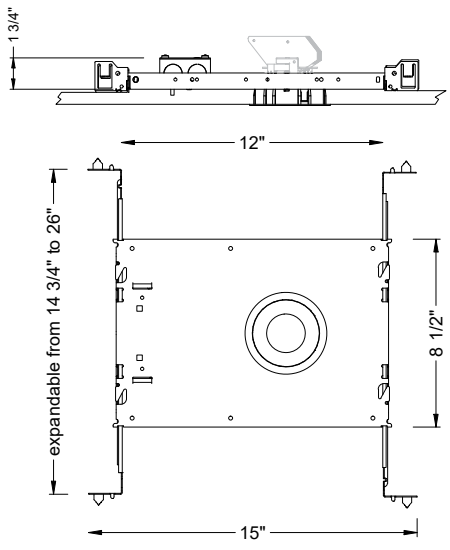
TRIMMED



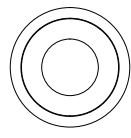
TRIMLESS & MILLWORK

### NC - NEW CONSTRUCTION

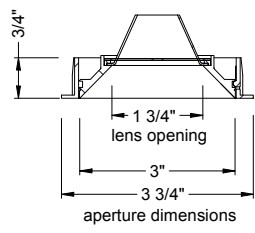
#### TRIM



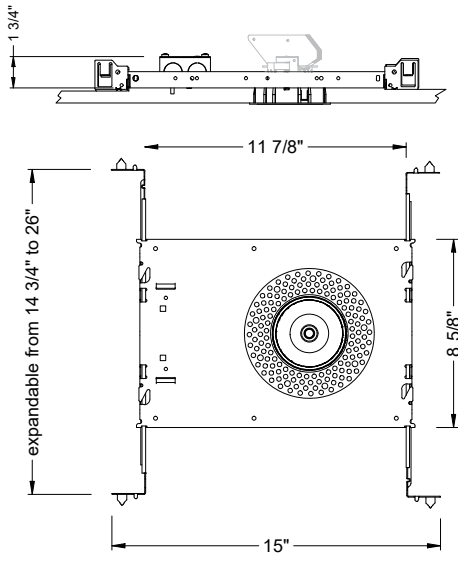
#### TRIM



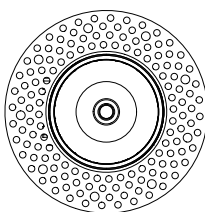
ceiling cutout  
4-3/8" diameter  
ceiling thickness  
1/8" to 1-5/8"



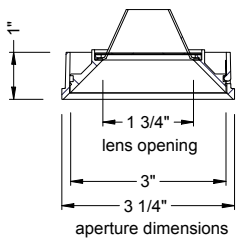
#### TRIMLESS



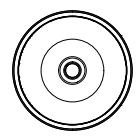
#### TRIMLESS



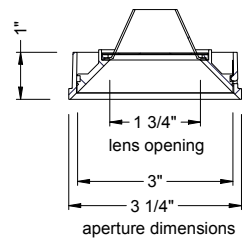
ceiling cutout  
3-1/2" diameter  
ceiling thickness  
3/8" to 5/8"



#### TRIMLESS/MILLWORK



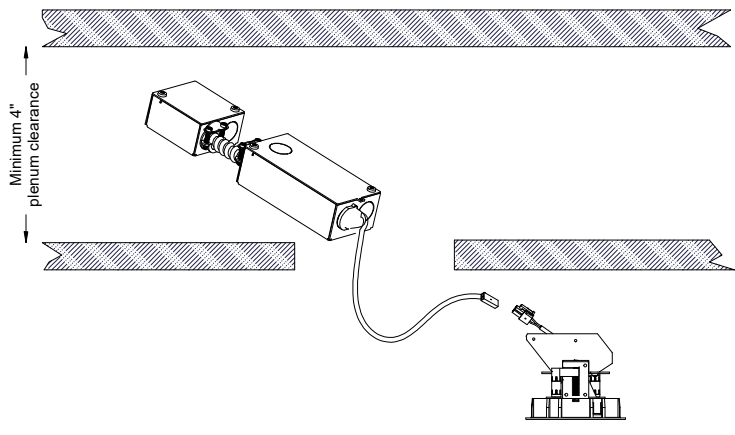
ceiling cutout  
3-1/2" diameter  
ceiling thickness  
3/8" to 1-3/4"



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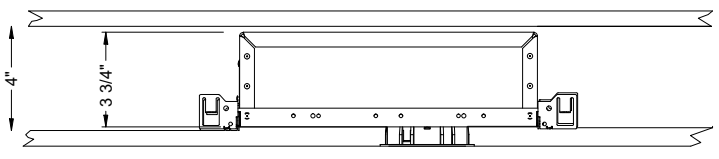
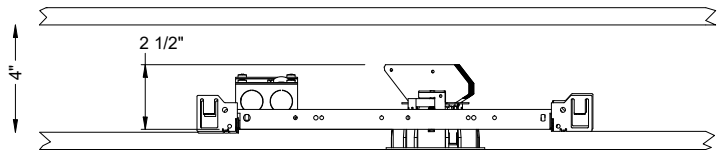
## MOUNTING OPTIONS (CONTINUED)

### RET - RETRO TRIM/TRIMLESS

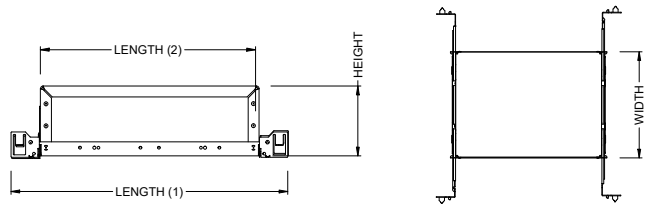


RATINGS / CERTIFICATIONS	NC	RET	IC
TYPE NON-IC	✓	✓	
TYPE IC			✓
CHICAGO PLENUM (CCEA)			✓
SUITABLE FOR AIR HANDLING PLENUMS	✓	✓	✓
REDUCED AIRFLOW (WITH LENS) ASTM E283	✓	✓	✓

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



### IC - INSULATION CONTACT HOUSING



BOX SIZE	L1	L2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	3 - 3/4"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (40° - 70°)	
LUMEN OUTPUT	BOX - A
	IC
10LM	✓
15LM	✓
20LM	✓

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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 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

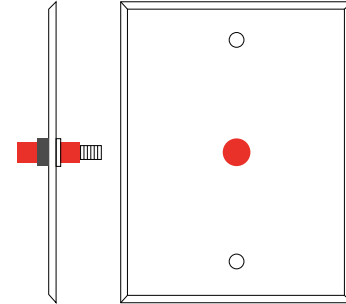
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

### EMERGENCY BATTERY ACCESS

Above ceiling access is 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

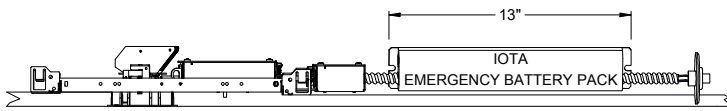
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/Building Codes.



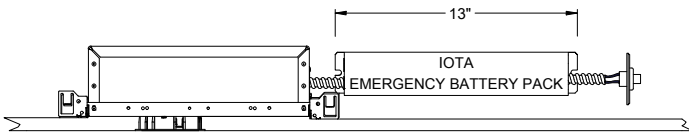
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 20LM)	385LM	550LM	656LM
Notes: Based on 30K, 97CRI			

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

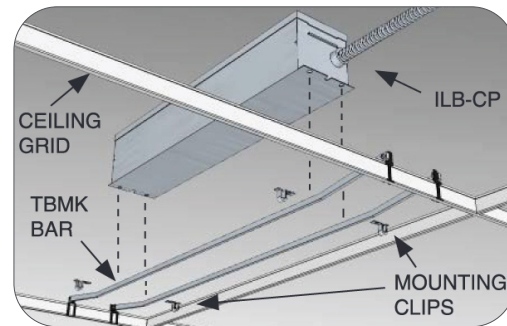


### IC - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)



### 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.