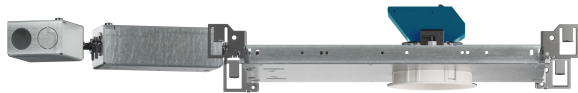


PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU3 LOPRO

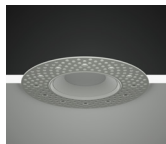
3" Round Downlight Standard White



15° - 60° BEAM		
(Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	880LM @30K/80CRI	9W
15LM	1290LM @30K/80CRI	13W
20LM	1700LM @30K/80CRI	17W
25LM	2120LM @30K/80CRI	23W
30LM	2540LM @30K/80CRI	29W
10LM	740LM @30K/90CRI	9W
15LM	1080LM @30K/90CRI	13W
20LM	1430LM @30K/90CRI	17W
25LM	1780LM @30K/90CRI	23W
30LM	2130LM @30K/90CRI	29W
Notes	Delivered lumens based on 25C optic with No lens, (see page 2)	



Trim



Trimless



Trimless Millwork

FEATURES

- Double jointed driver box allows for 4" shallow plenum installation
- 15° - 60° 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

- 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 0.4" to 2.0"

LED

- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 66,000 hrs

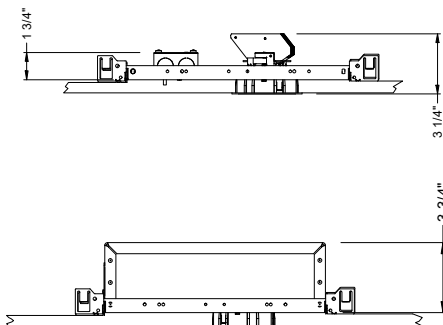
LISTING

- 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)
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- NSF/ANSI-2 with lens
- 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)

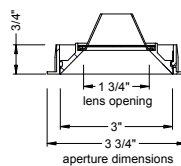
FIXTURE HEIGHT



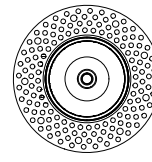
TRIMMED



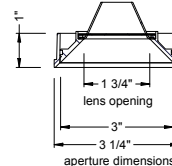
ceiling cutout
3-3/8" diameter
ceiling thickness
1/8" to 1-5/8"



TRIMLESS



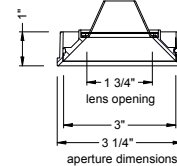
ceiling cutout
3-1/2" diameter



MILLWORK



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



alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

15°- 60° BEAM ORDERING CODE

SERIES	NU3	NU3
TYPE	RDLP	round downlight lopro
	RDTLP	round downlight trimless lopro
	RDTMWLP	round downlight trimless millwork lopro
LED	SW	standard white
DELIVERED LUMENS	10LM	880 lm
	15LM	1290 lm
	20LM	1700 lm
	25LM	2120 lm
	30LM	2540 lm
Standard Configuration: 3000K 80CRI NL Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	27K	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	80	80 CRI
	90	90 CRI
OPTIC & LM MULTIPLIER SEE PAGE 3	15C ¹	15° reflector with clear lens (0.95)
	20C	20° reflector with clear lens (0.97)
	25C	25° reflector with clear lens (0.97)
	40C	40° reflector with clear lens (0.96)
	55C	55° reflector with clear lens (0.95)
	40D	40° reflector with diffused lens (0.93)
	60D	60° reflector with diffused lens (0.93)
ACCESSORY SEE PAGE 3	HCL ²	honeycomb louver Attached to bezel
	BEZEL LENS SEE PAGE 3	NL ^{3,4}
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°- 60° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	NC	new construction with ceiling fitting plate
	IC ⁵	insulation contact housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	ELV1 ⁶	leading & trailing edge (Triac/ELV) dimming to 1%
	DIM10	0-10V 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:
NU3 - RDLP - SW - 20LM - 30K - 90 - 20C - WH - WH - NC - DIM10

NOTES

- 15C available in 10LM/15LM/20LM.
- HCL not available with lens. Multiplier: Delivered Lumens (0.78) / Beam Spread (0.80).
- NL option does not meet requirement for AT/DF/WET/NSF listings.
- NL option available for 15C/20C/25C/40C/55C.
- IC not available in 15C/20LM or 30LM.
- ELV1 dimming available in 120V.

alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

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 15LM fixtures, unless otherwise noted.



OPTIC	BEAM ANGLE	UGR
15C	14.4	17
20C	22	16.5
25C	26	16.6
40C	39	17.5
55C	56	18.2



OPTIC	BEAM ANGLE	UGR
40D	40	20.7
45D	45	21.2
50D	51.7	21.8
60D	59	22.5



OPTIC	BEAM ANGLE	UGR
15	11.5	≤5
20	16	≤5
25	20	≤5
40	32	≤5
55	44	≤5

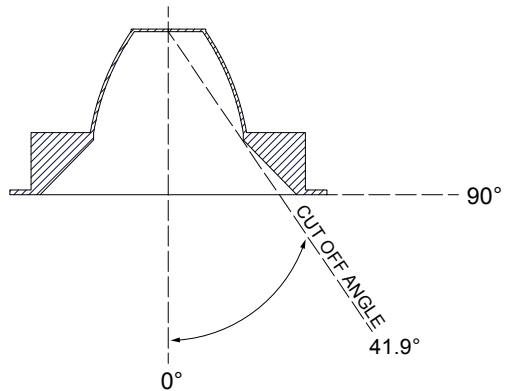
GLARE CONTROL

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 41.9° degrees;



alphabet

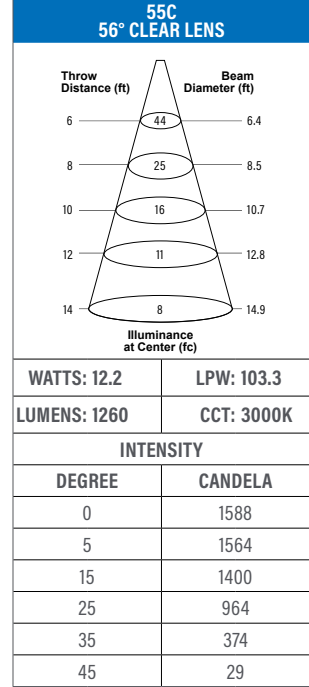
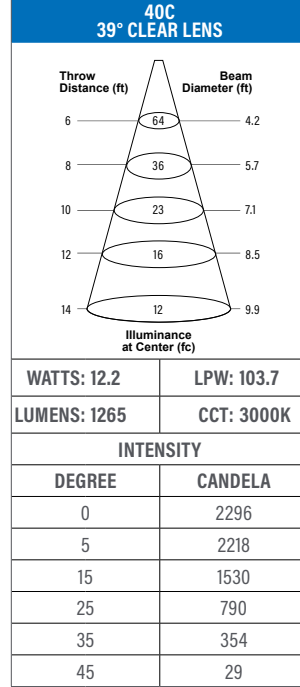
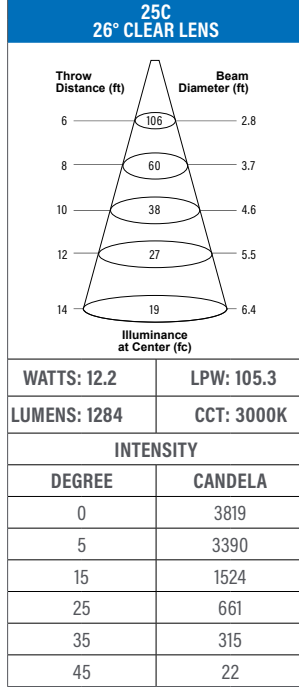
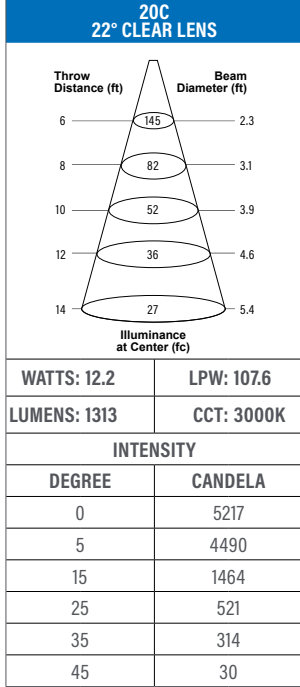
PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

PHOTOMETRIC DATA

15LM CCT MULTIPLIERS

	80 CRI	90CRI
2700K	0.96	0.81
3000K	1	0.84
3500K	1.01	0.85
4000K	1.03	0.87

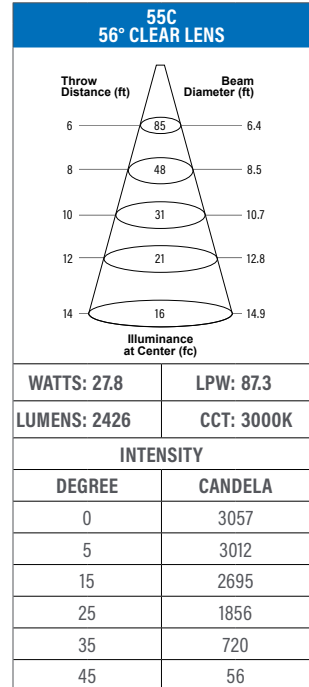
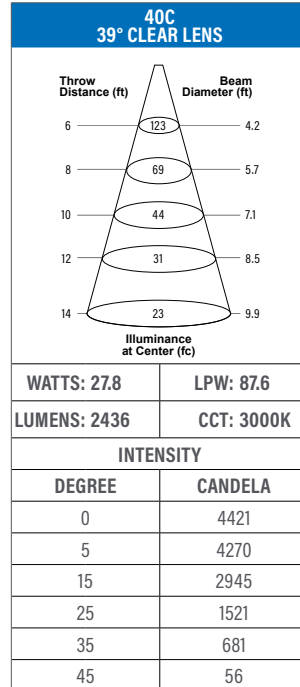
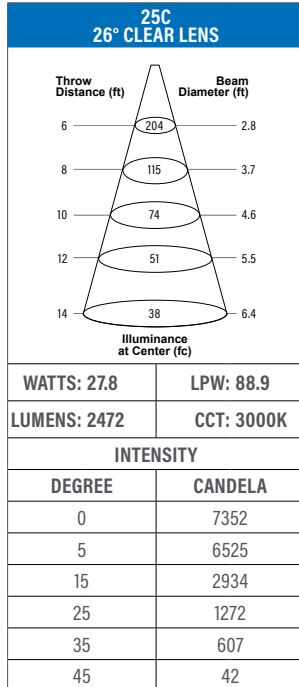
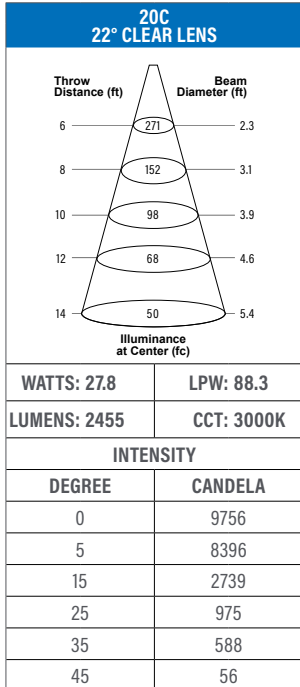
FC Formula = CBCP / Distance²



30LM CCT MULTIPLIERS

	80 CRI	90CRI
2700K	0.96	0.81
3000K	1	0.84
3500K	1.01	0.85
4000K	1.03	0.87

FC Formula = CBCP / Distance²

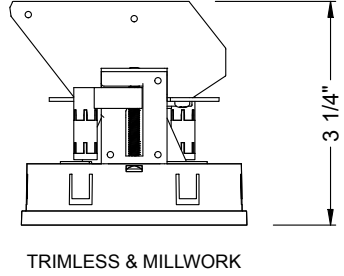
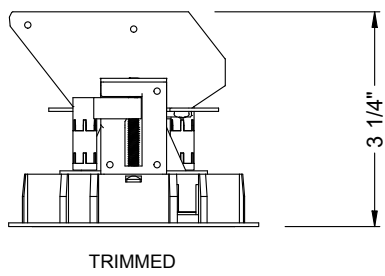


alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

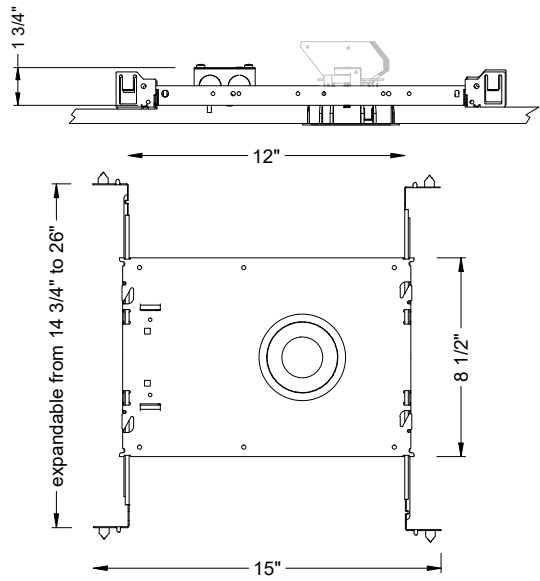
MOUNTING OPTIONS

FIXTURE HEIGHT

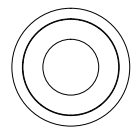


NC - NEW CONSTRUCTION

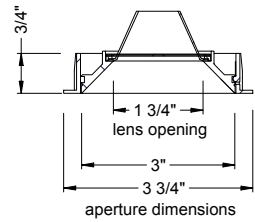
TRIM



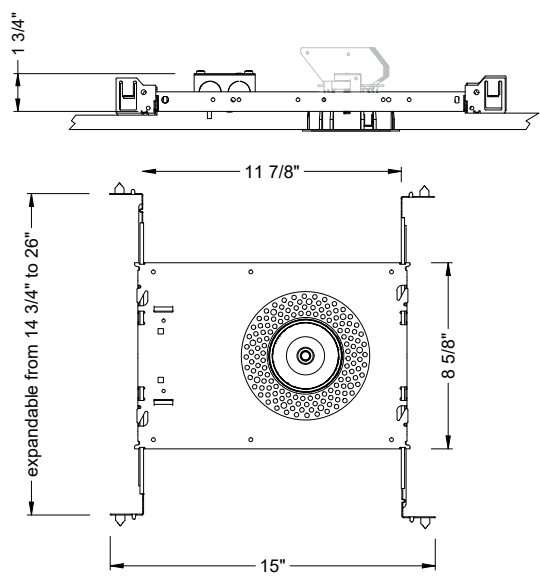
TRIM



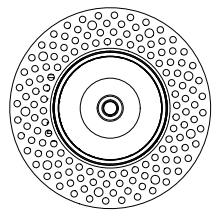
ceiling cutout
3-3/8" diameter
ceiling thickness
1/8" to 1-5/8"



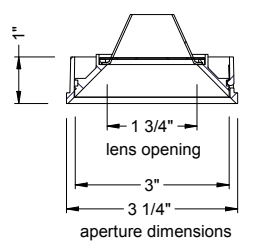
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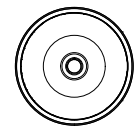
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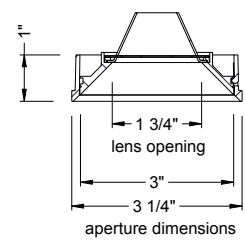
ceiling cutout
3-1/2" diameter



TRIMLESS/MILLWORK



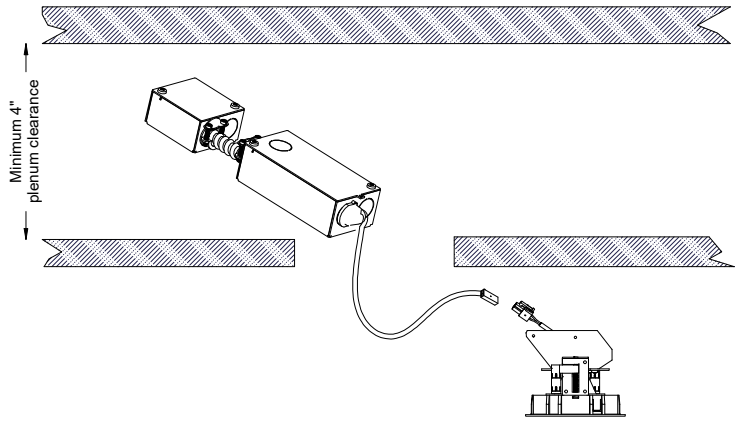
ceiling cutout
3-1/2" diameter
ceiling thickness
3/8" to 1-3/4"



PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

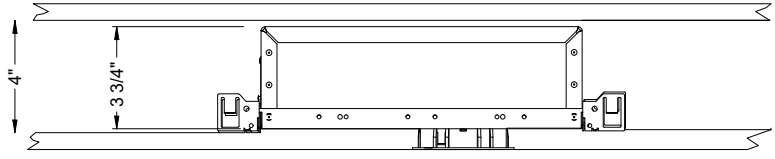
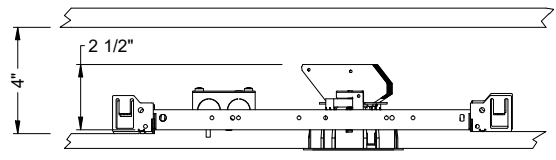
MOUNTING OPTIONS (CONTINUED)

RET - RETRO TRIM/TRIMLESS

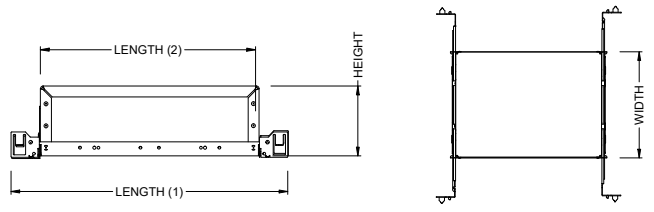


RATINGS / CERTIFICATIONS	NC	RET
TYPE NON-IC	✓	✓
SUITABLE FOR AIR HANDLING PLENUMS	✓	✓
REDUCED AIRFLOW (WITH LENS) ASTM E283	✓	✓

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	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 (15°)	
LUMEN OUTPUT	BOX - A
	IC
10LM	✓
15LM	✓
20LM	

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (20° - 60)	
LUMEN OUTPUT	BOX - A
	IC
10LM	✓
15LM	✓
20LM	✓
25LM	✓
30LM	

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

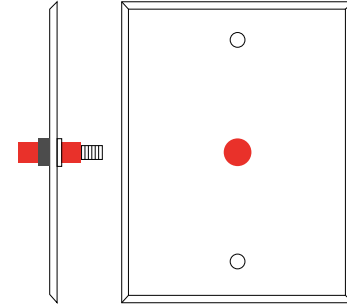
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is 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

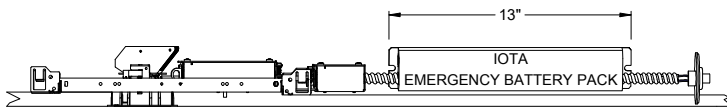
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/Building Codes.



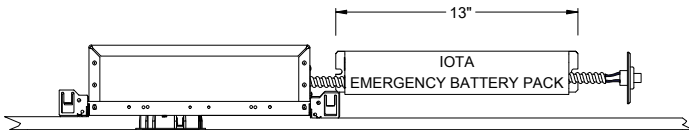
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 30LM)	684LM	992LM	1190LM
Notes: Based on 30K, 80CRI			

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

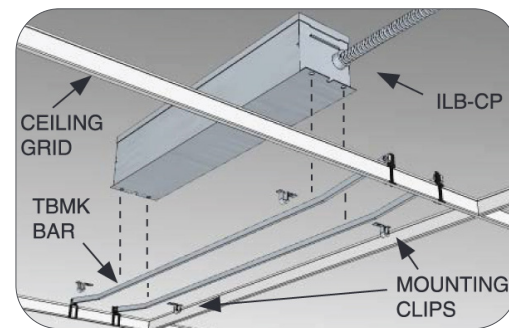


IC - INSULATION CONTACT HOUSING WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit¹



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