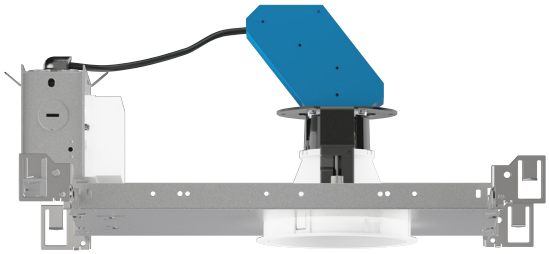
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU4

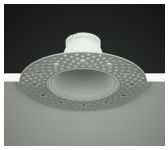
4" Round Downlight Deep Regress Warm Dim

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





Trim



Trimless



Trimless Millwork

35° - 45° BEAM (Note: Specifications are subject to change without notice)		
18mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
30LM	2120LM @30K/97CRI	39W
Notes	Delivered lumens based on 40D optic with SBL lens, (see page 2)	

30° - 35° BEAM (Note: Specifications are subject to change without notice)		
14mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
20LM	1710LM @30K/97CRI	26W
Notes	Delivered lumens based on 30D optic with no lens, (see page 2)	

15° - 30° BEAM (Note: Specifications are subject to change without notice)		
9mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	890LM @30K/97CRI	13W
15LM	1190LM @30K/97CRI	19W
Notes	Delivered lumens based on 30D optic with no lens, (see page 2)	

FEATURES

- Quiet ceiling achieved through 2.5" deep regress
- Superior 38.5° cut off angle
- UGR <5
- 9° - 55° optical beam control
- Multiple mounting, glare control options, trims, and finishes available

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
- 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 1-5/8"

LED

- Luminus Dim-to-warm COB: 97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs
- Dim to Warm from 3000K - 1800K.

LISTING

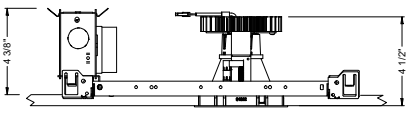
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (Shower Approved)
- NSF/ANSI-2 Listed, with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

ELECTRICAL

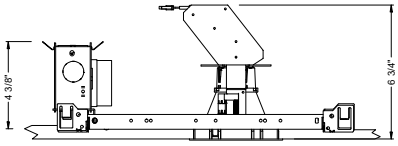
- 120V only Triac/ELV, 120V-277V
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

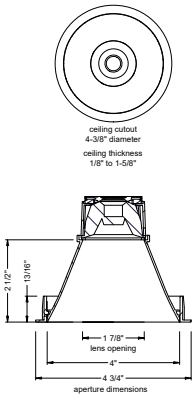
LED LIGHT ENGINE: 1000LM - 1500LM



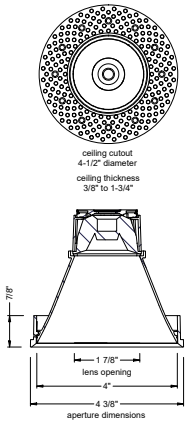
LED LIGHT ENGINE: 2000LM - 3000LM



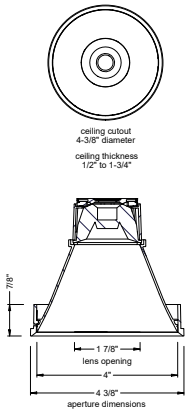
TRIMMED



TRIMLESS



MILLWORK



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

15°- 45° BEAM ORDERING CODE

SERIES	**NU4**	NU4
TYPE	**RDDR**	round downlight deep regress
	RDTDR	round downlight trimless deep regress
	RDTM-WDR	round downlight trimless millwork deep regress
LED	**WD**	warm dim (Luminus)
DELIVERED LUMENS	**10LM**[1]	890 lm
	15LM[1]	1190 lm
	20LM[2]	1710 lm
	30LM[3]	2120 lm
	Standard Configuration: 30D NL **Calculated Delivered Lumens** = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]	
CCT	**3018**	3000K, dim to 1800K

CCT at Light Level Table

CCT at Light Level (%LF)*				
%LF	30LM	20LM	15LM	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 5	**15D**	15 degrees	(0.98)
	25D	25 degrees	(0.95)
	30D	30 degrees	(1.00)
	35D	35 degrees	(0.97)
	40D	40 degrees	(1.00)
	45D	45 degrees	(0.97)
RECESSED LENS SEE PAGE 5	**NL**[4]	no lens	(1.00)
	DL	diffused lens	(0.88)
	HET	high efficiency textured lens, similar to Solite™	(0.92)
	SBL	smoothing beam lens	(0.92)
	HCL	honeycomb louver	(0.80)
TRIM COLOR SEE PAGE 5	**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 5	**BK**	black	(0.90)
	WH	white	(1.00)
	MC	matte chrome	(0.96)
	CU	copper, vacuum metalized	(0.97)
	DC	dark chrome, vacuum metalized	(0.95)
	GN	gun metal, vacuum metalized	(0.99)
	AU	gold, vacuum metalized	(0.98)
	SA	specular, vacuum metalized	(1.00)

15°- 45° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	**NC**	new construction with ceiling fitting plate
	IC[5]	insulation contact housing
	ICAT[5]	insulation contact/airtight housing
	CP[5]	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-2 dimming to 1%
	DALIZ	eldoLED flicker free DALI-2 dimming to 0%
	DMXZ	DMX dim to zero
	LUT	Lutron Hi-lume Ecosystem dimming to 1%, Soft-on & Fade-to-Black
	ELV1[6]	leading & trailing edge (Triac/ELV) dimming to 1%
	NLT	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	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 - RDDR - WD - 20LM - 3018 - 97 - 30D - SBL - WH - DC - NC - UNV - DIM10 - EM7

NOTES

1. 10LM/15LM available in 15D/25D/30D optics.
2. 20LM available in 30D/35D optics.
3. 30LM available in 35D/40D/45D/50D optics. Not available with NL/HCL lens.
4. NL option does not meet requirement for AT/DF/WET/NSF listings.
5. IC/ICAT/CP not available in 30LM.
6. ELV1 available in 120V.

*Warm Dim CCT values at X% are for reference. Actual CCT may vary.

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

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			

TRIM OPTIONS

TRIM/BEZEL COLORS



BK WH MC CU DC GN AU SA

OPTICAL OPTIONS

- Calculations based on 15LM fixtures, SA bezel, unless otherwise noted
- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;

TIR OPTIC ACCESSORY
Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
15D	17.2	≤5
25D	23.2	≤5
30D	30.2	7.3

NL
No Lens



OPTIC	BEAM ANGLE	UGR
15D	17.4	≤5
25D	24.2	≤5
30D	31.7	≤5

DL*
Diffused Lens



OPTIC	BEAM ANGLE	UGR
15D	39.1	13.4
25D	42	15.3
30D	44.6	15.9

* White Bezel

HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	22.4	≤5
25D	27.6	8
30D	32.7	8.1

SBL
Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
15D	17.9	≤5
25D	24.8	≤5
30D	32	5.3

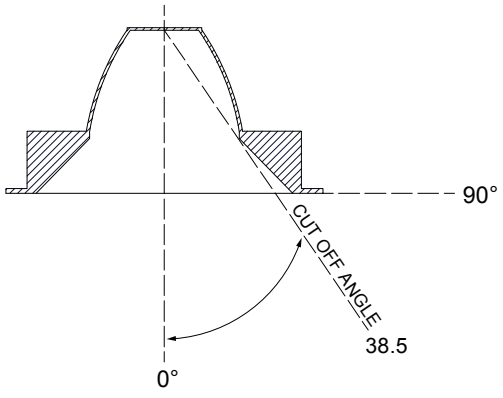
GLARE CONTROL

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 is 38.5 degrees;



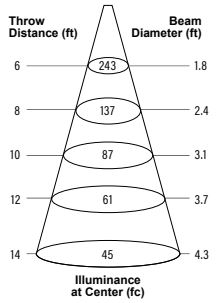
100872

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

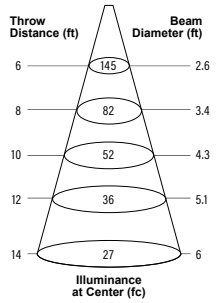
15D 17.4° NO LENS



WATTS: 19	LPW: 61.1
LUMENS: 1161	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	8743
5	6874
15	1687
25	249
35	11
45	1.4

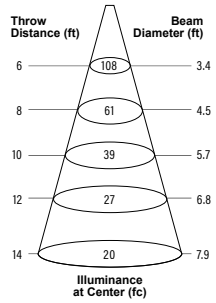
25D 24.2° NO LENS



WATTS: 19	LPW: 59.6
LUMENS: 1132	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	5228
5	4570
15	1873
25	396
35	31
45	2.6

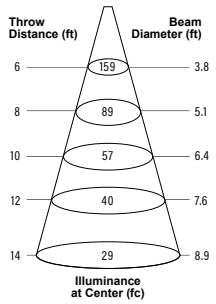
30D 31.7° NO LENS



WATTS: 19	LPW: 62.5
LUMENS: 1188	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3881
5	3585
15	2097
25	555
35	26
45	2.7

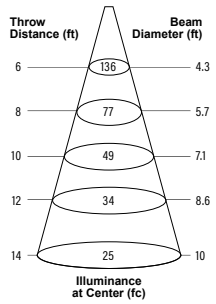
35D 35.2° HIGH EFFICIENCY TEXTURED LENS



WATTS: 38.5	LPW: 54.2
LUMENS: 2086	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	5709
5	5415
15	3464
25	1149
35	121
45	14

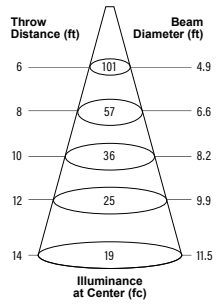
40D 39.3° HIGH EFFICIENCY TEXTURED LENS



WATTS: 38.5	LPW: 55
LUMENS: 2118	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	4899
5	4721
15	3390
25	1364
35	151
45	14

50D 44.8° HIGH EFFICIENCY TEXTURED LENS



WATTS: 38.5	LPW: 53.1
LUMENS: 2043	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3635
5	3470
15	2558
25	1532
35	452
45	21

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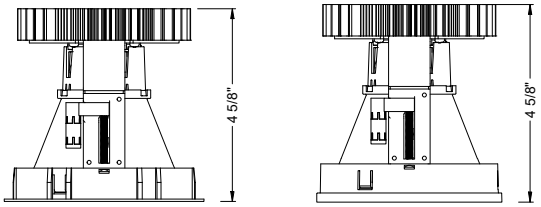
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

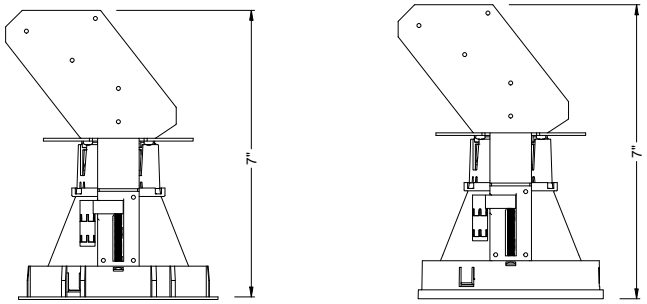
FIXTURE HEIGHT

LED LIGHT ENGINE: 1000LM - 1500LM



TRIMMED | TRIMLESS & MILLWORK

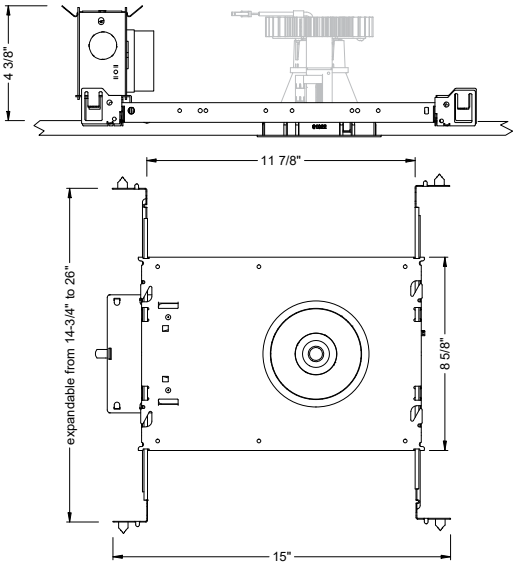
LED LIGHT ENGINE: 2000LM - 3000LM



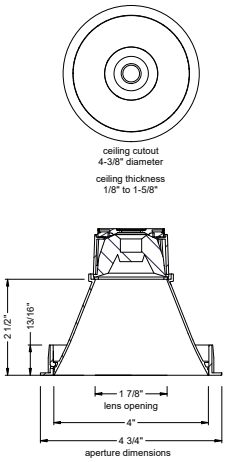
TRIMMED | TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

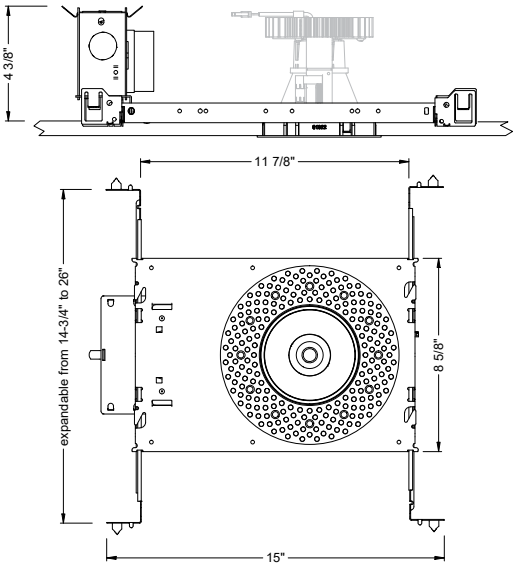
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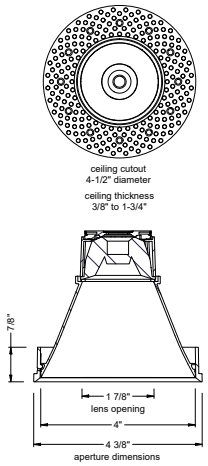
TRIM



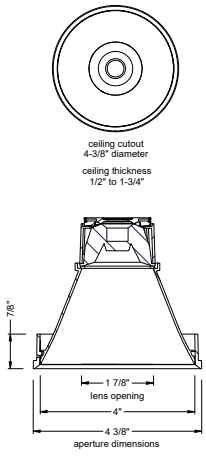
TRIMLESS



TRIMLESS



TRIMLESS/MILLWORK



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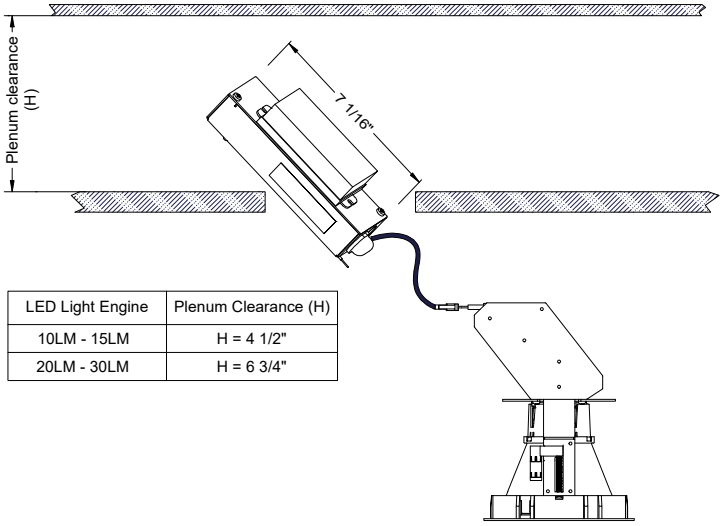
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

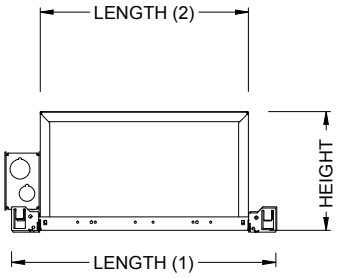
MOUNTING OPTIONS (CONTINUED)

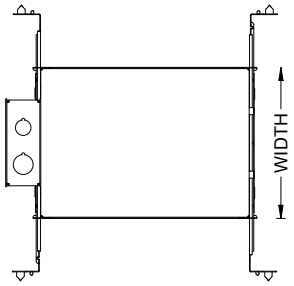
RET - RETRO
TRIM/TRIMLESS



LED Light Engine	Plenum Clearance (H)
10LM - 15LM	H = 4 1/2"
20LM - 30LM	H = 6 3/4"

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	✔	✔	✔	✔	✔

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

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (35° - 45°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX -C
	CP	IC	ICAT	IC	ICAT
30LM					

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (30° - 35°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX -C
	CP	IC	ICAT	IC	ICAT
20LM				✔	

BOX TYPE / LUMEN OUTPUT - NARROW BEAMS (15° - 30°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX -C
	CP	IC	ICAT	IC	ICAT
10LM	✔	✔	✔		
15LM	✔	✔	✔		

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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

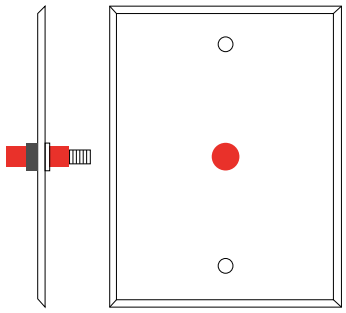
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is 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

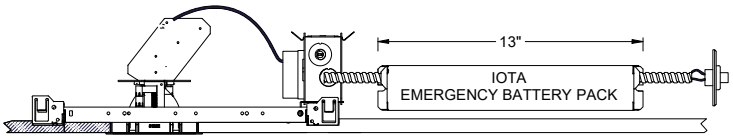
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



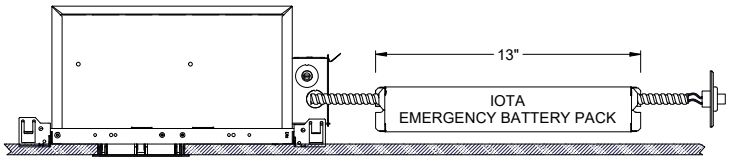
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 30LM)	430LM	610LM	750LM
Notes: Based on 30K, 97CRI			

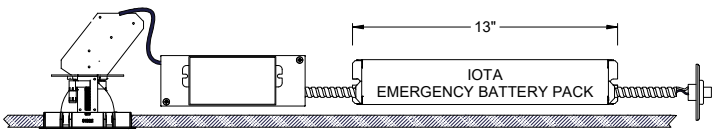
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



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

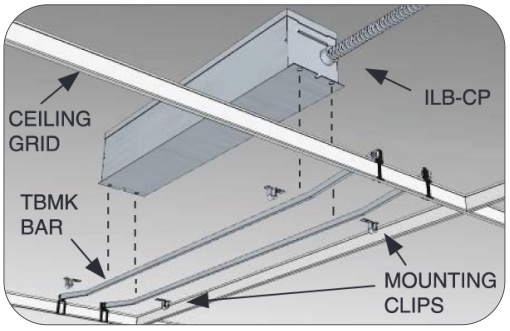


RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit[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.