

alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU3

3" Round Adjustable Warm Dim



AT
airtight

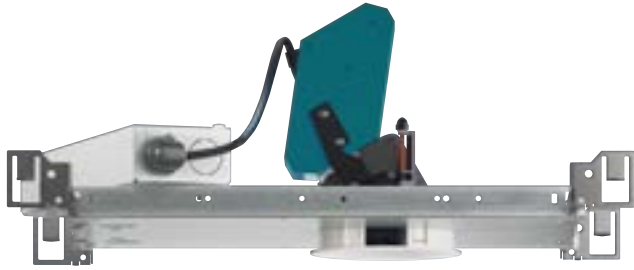
DF
dead-front



plenum rated



wet rated



30° - 50° BEAM (Note: Specifications are subject to change without notice)		
18mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
30LM	1700LM @30K/97CRI	39W
Notes	Delivered lumens based on 50D 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	1450LM @30K/97CRI	26W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)	



eldoLED
your product our drive



15° - 35° BEAM (Note: Specifications are subject to change without notice)		
9mm DYNAMIC COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	780LM @30K/97CRI	13W
15LM	1020LM @30K/97CRI	19W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)	



Trim



Trimless



Trimless Millwork

FEATURES

- True 30° Tilt with <5% beam disruption (clipping)
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 360° full rotation
- 15° - 50° optical beam control
- UGR <5
- Multiple mounting and glare control options

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 (Triac and Eco System) dimming to 0.1%
- Leading & trailing edge (Triac/ELV) dimming to 1%
- Casambi bluetooth dimming to 0.1%
- nLight control interface dimming to 0%

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 0.2" to 1.25"

LED

- Luminus Dim-to-warm COB:
- 97 CRI: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L₇₀ > 54,000 hrs
- Dim to Warm from 3000K - 1800K.

LISTING

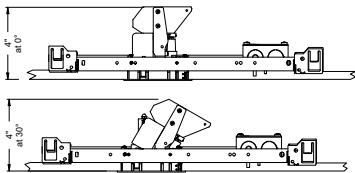
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Dead-front construction (Shower Approved)
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- NSF/ANSI-2 Listed, with lens
- 5 Year Limited warranty

ELECTRICAL

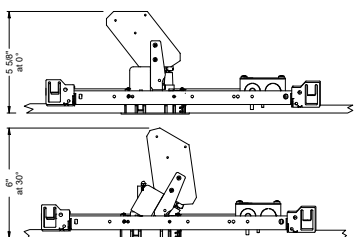
- 120V-277V, 120 only Triac / ELV
- Power factory ≥ 0.9
- 2kV driver input surge protection
- Remote emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)

FIXTURE HEIGHT

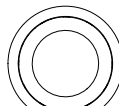
LED LIGHT ENGINE: 1000LM - 1500LM



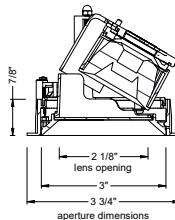
LED LIGHT ENGINE: 2000LM - 3000LM



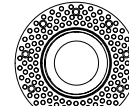
TRIMMED



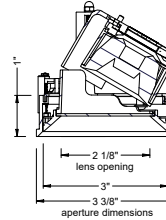
ceiling cutout
3-3/8" diameter
ceiling thickness
0.2" to 1.25"



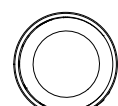
TRIMLESS



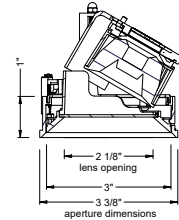
ceiling cutout
3-1/2" diameter
ceiling thickness
0.2" to 1.25"



MILLWORK



ceiling cutout
3-3/8" diameter
ceiling thickness
0.2" to 1.25"



alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

15° - 50° BEAM ORDERING CODE

SERIES	NU3	NU3																												
TYPE	RA	round adjustable																												
	RAT	round adjustable trimless																												
	RATMW	round adjustable trimless millwork																												
LED	WD	warm dim (Luminus)																												
DELIVERED LUMENS	10LM ¹	780 lm																												
	15LM ¹	1020 lm																												
	20LM ²	1450 lm																												
	30LM ³	1700 lm																												
Standard Configuration: 35D NL Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]																														
CCT	3018	3000K, dim to 1800K																												
		CCT at Light Level (%LF)																												
		<table border="1"> <thead> <tr> <th>%LF</th> <th>30LM</th> <th>20LM</th> <th>15LM</th> <th>10LM</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>3000</td> <td>3000</td> <td>3000</td> <td>3000</td> </tr> <tr> <td>50%</td> <td>3000</td> <td>3000</td> <td>3000</td> <td>2800</td> </tr> <tr> <td>25%</td> <td>2800</td> <td>2800</td> <td>2500</td> <td>2300</td> </tr> <tr> <td>10%</td> <td>2200</td> <td>2200</td> <td>2000</td> <td>1900</td> </tr> <tr> <td>5%</td> <td>1800</td> <td>1800</td> <td>1800</td> <td>1800</td> </tr> </tbody> </table>	%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
%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 3	15D	15 degrees (0.81)																												
	25D	25 degrees (0.90)																												
	30D	30 degrees (0.92)																												
	35D	35 degrees (1.00)																												
	40D	40 degrees (0.99)																												
	50D	50 degrees (1.00)																												
TIR OPTIC ACCESSORY SEE PAGE 3	NA	no accessory (1.00)																												
	HCL	honeycomb louver (0.80)																												
	HETA	high efficiency textured lens, similar to Solite™ (0.94)																												
	EA ⁴	elliptical lens (0.85)																												
Attached to TIR optic, active																														
BEZEL LENS SEE PAGE 3	NL ⁵	no lens (1.00)																												
	CL	clear lens (0.97)																												
	DL	diffused lens (0.93)																												
	HET	high efficiency textured lens, similar to Solite™ (0.95)																												
	SBL	smoothing beam lens (0.97)																												
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																												
	BZ	bronze																												
	MC	matte chrome																												
	WT	wheat																												

15° - 50° BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	NC	new construction with ceiling fitting plate
	IC ⁶	insulation contact housing
	ICAT ⁶	insulation contact/airtight housing
	CP ⁶	chicago plenum housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	DIM10 ⁷	eldoLED flicker free 0-10V dimming to 1%
	DIM10Z ⁸	eldoLED flicker free 0-10V dimming to 0%
	DALI ⁸	eldoLED flicker free DALI dimming to 1%
	DALIZ ⁸	eldoLED flicker free DALI dimming to 0%
	LUTP ⁹	Lutron Hi-lume Premier Ecosystem dimming to 0.1%, Soft-on & Fade-to-Black
	ELV1 ¹⁰	leading & trailing edge (Triac/ELV) dimming to 1%
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dimming to 0%
CAS	Casambi Bluetooth control with flicker free 0.1% dimming	
ELECTRICAL OPTIONS	EM7	emergency battery backup, 90 minutes at 7W to LED
	EMI2	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 - RA - WD - 20LM - 3018 - 97 - 30D - NA - HET - WH - WH - NC - UNV - DIM10 - EM7

NOTES

- 10LM/15LM available with 15D/25D/35D optics.
- 20LM available with 30D/35D optics.
- 30LM available with DL/HET/SBL lens and 30D/40D/50D optics.
- Elliptical lens actual beam distributions [20D= 35° x 60°, 25D= 30° x 65°, 30D= 40° x 70°, 50D= 55° x 80°]
- NL option does not meet requirement for AT/DF/WET/NSF listings.
- IC/ICAT/CP not available in 30LM.
- DIM10 code uses ERP 1% Driver for 30LM.
- 30LM not available.
- LUTP not available in 10LM/15LM.
- ELV1 available in 120V.

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

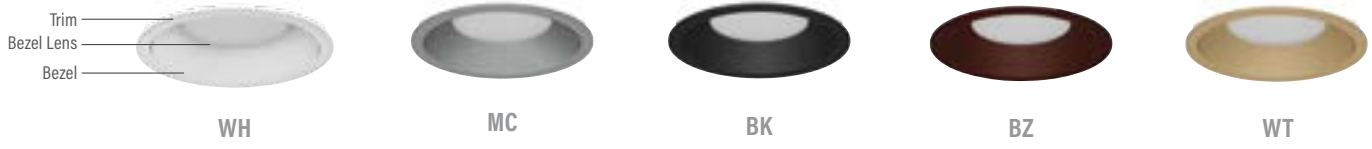
*EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e., DIM10LIN.

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 9mm COB, 15LM fixtures, unless otherwise noted.

TIR OPTIC ACCESSORY

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
15D	17	≤5
25D	23	≤5
35D	30	≤5

NL

No Lens



OPTIC	BEAM ANGLE	UGR
15D	18	≤5
25D	25	6.4
35D	32	5.8

CL

Clear Lens



OPTIC	BEAM ANGLE	UGR
15D	18	≤5
25D	25	6.8
35D	32	5.9

DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
15D	37	16.7
25D	41	18.3
35D	44	19

HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	22	9
25D	27	10.9
35D	32.6	11.6

SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
15D	18	≤5
25D	25	7.4
35D	32	7

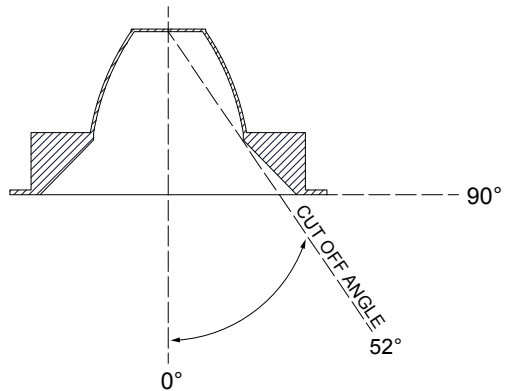
GLARE CONTROL

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 NL and CL is 52 degrees;

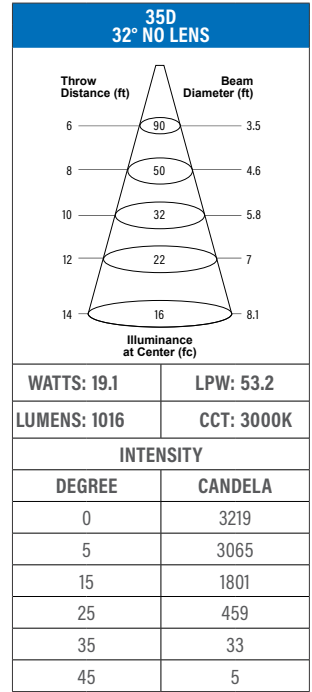
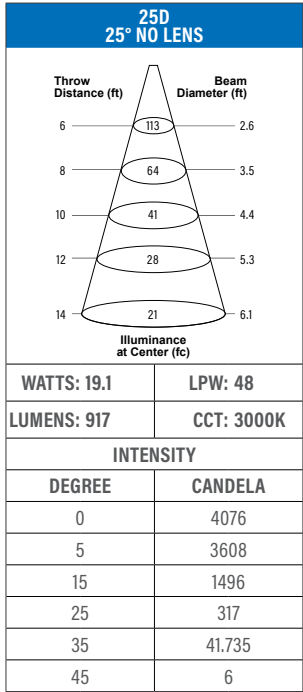
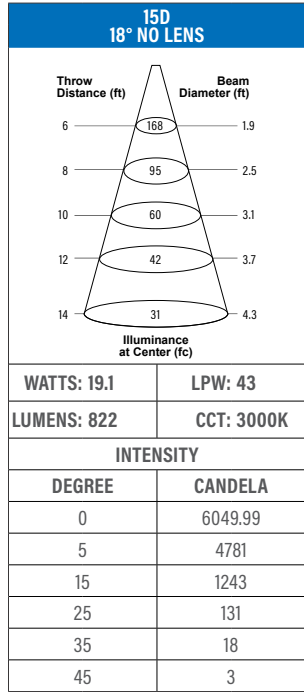


alphabet

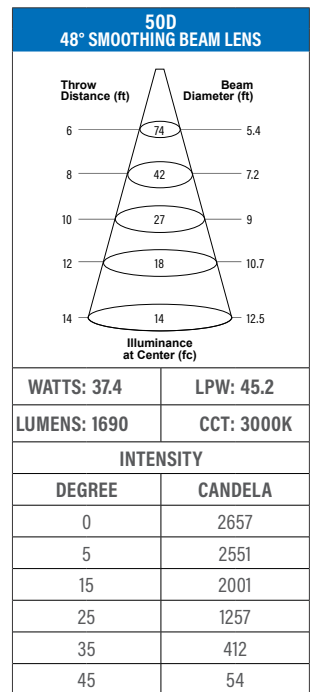
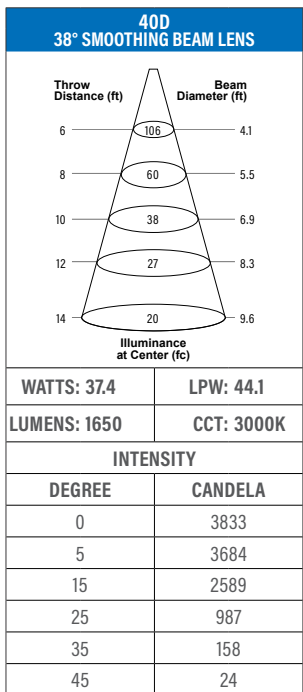
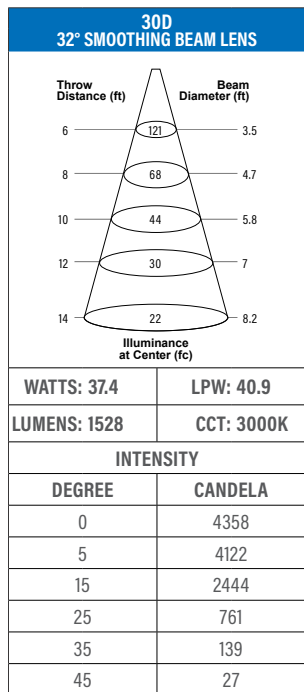
PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

PHOTOMETRIC DATA

CDM09



CDM18



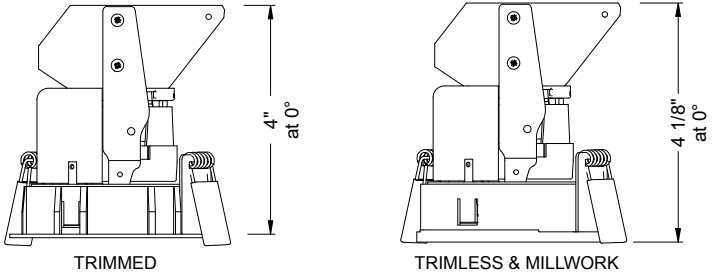
alphabet

PROJECT INFORMATION		
JOB NAME	TYPE	
ORDERING CODE		

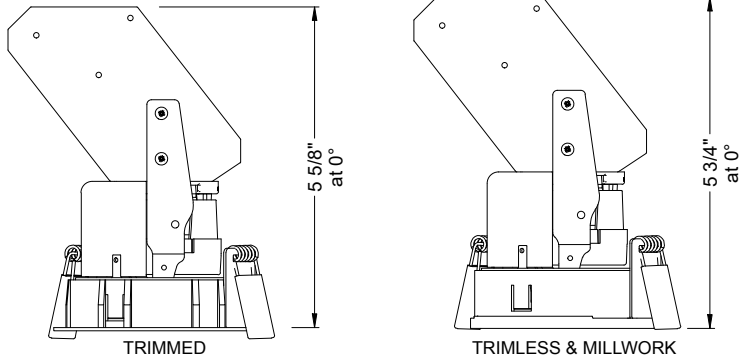
MOUNTING OPTIONS

FIXTURE HEIGHT

LED LIGHT ENGINE: 1000LM - 1500LM

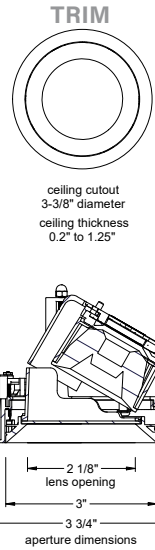
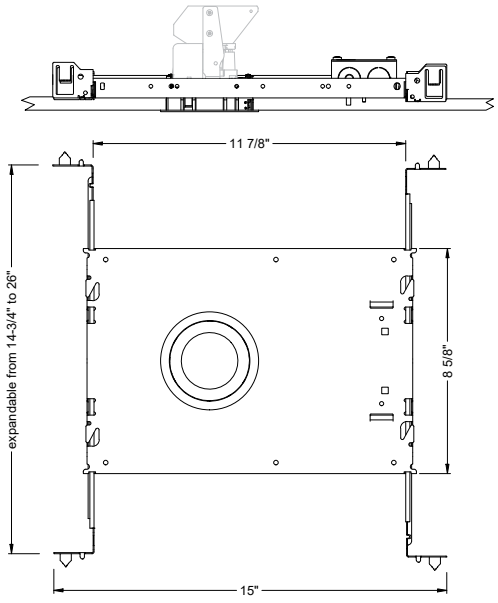


LED LIGHT ENGINE: 2000LM - 3000LM

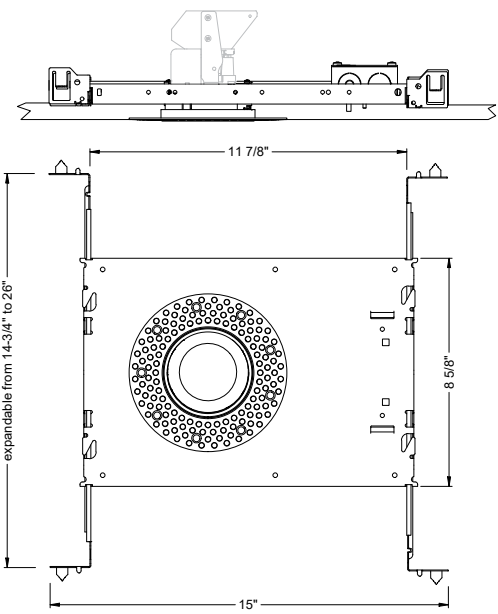


NC - NEW CONSTRUCTION

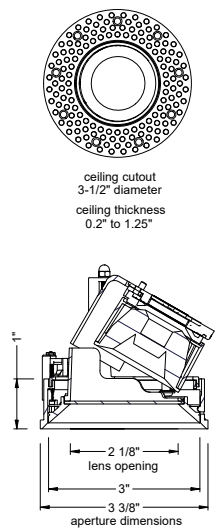
TRIM



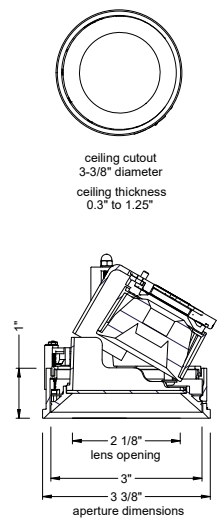
TRIMLESS



TRIMLESS



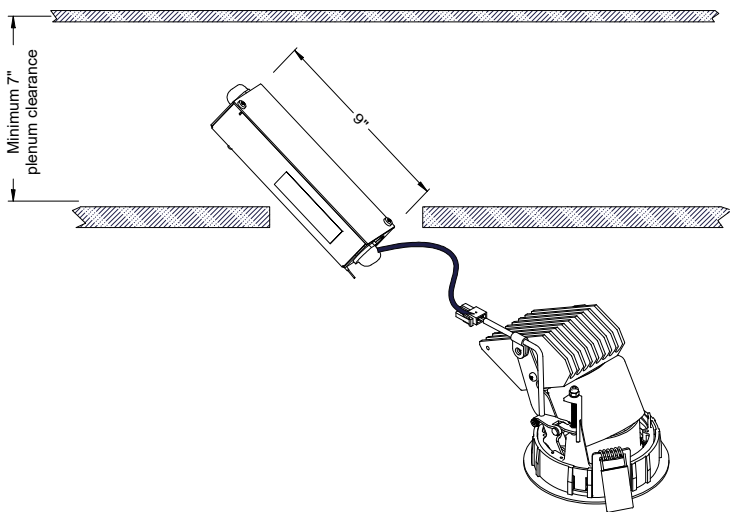
TRIMLESS/MILLWORK



PROJECT INFORMATION		
JOB NAME	TYPE	
ORDERING CODE		

MOUNTING OPTIONS (CONTINUED)

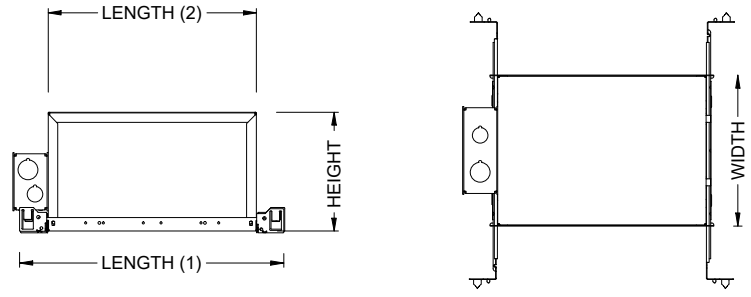
RET - RETRO TRIM/TRIMLESS



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
	STANDARD CEILING THICKNESS
TRIM	0.2" to 1.25"
TRIMLESS	0.2" to 1.25"
MILLWORK (TRIMLESS)	0.3" to 1.25"

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"

BOX TYPE / LUMEN OUTPUT - NARROW BEAMS (15° - 35°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX - C
	CP	IC	ICAT	IC	ICAT
10LM	✓	✓	✓		
15LM	✓	✓	✓		

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 - STANDARD BEAMS (30° - 50°)					
LUMEN OUTPUT	BOX - A			BOX - B	BOX - C
	CP	IC	ICAT	IC	ICAT
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

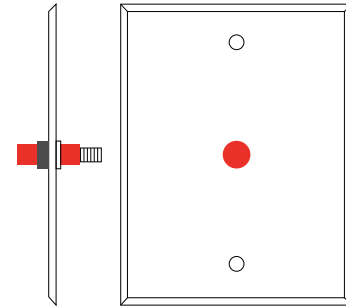
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is 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.

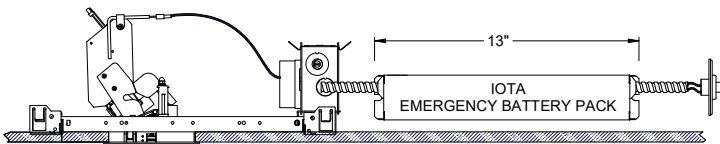


Remote Test Switch

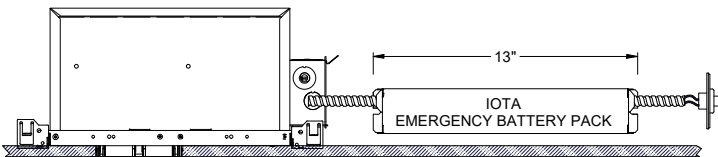
EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 30LM)	400LM	570LM	710LM

Notes: Based on 30K, 97CRI

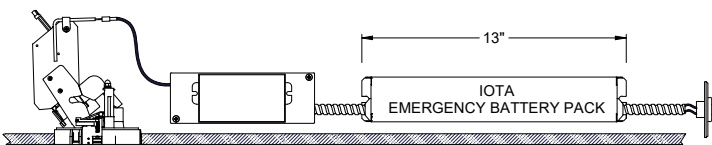
NC - NEW CONSTRUCTION WITH EM BATTERY (REMOTE TEST SWITCH)



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

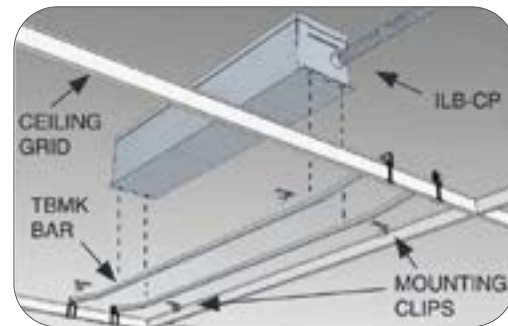


RET - RETROFIT WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting Kit¹



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