alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU essentials

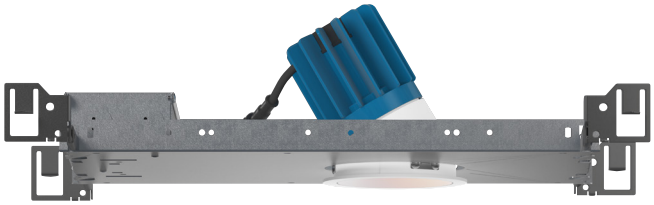
3" Round & Square Adjustable Warm Dim

25° - 80° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	940LM @30K/90CRI	15W
Notes	Delivered lumens based on 40D optic with no lens, (see page 2)	

T24 JA8–2022

AT airtight

PR plenum rated



FEATURES
- Economical choice for budget projects
- Thermally optimized for LED longevity
- 30° tilt, tool-less hot aiming
- Fully casted assembly
- 25° - 80° optical beam control
- Packaging material consists of 60-80% post-consumer recycled fiber

DIMMING AND CONTROLS
- eldoLED 0-10V, 0.1% and 1%
- Leading & trailing edge (Triac/ELV) dimming to 1%

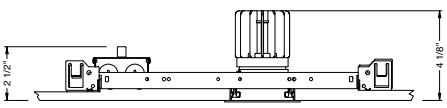
CONSTRUCTION
- Aluminum trim and bezel
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/4" to 1"

LED
- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 66,000 hrs

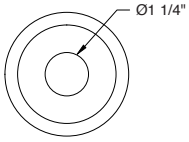
LISTING
- ULus Listed to UL1598; cUL Listed to CSA C22.2 #250.0
- Suitable for damp location
- 5 Year Limited warranty

ELECTRICAL
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- 7W and 10W (T20 CEC) EM 90min battery
- Max. ambient installation temperature 104°F (40°C)

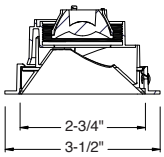
FIXTURE HEIGHT



ROUND

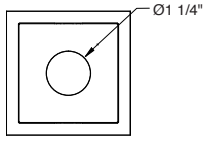


ceiling cutout
3-1/8" diameter
ceiling thickness
1/4" to 1"

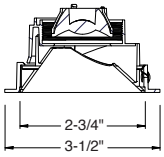


aperture dimensions

SQUARE



ceiling cutout
3-1/8" x 3-1/8" square
ceiling thickness
1/4" to 1"



aperture dimensions

101536

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			

ORDERING CODE			
SERIES	NUE3	NUE	
TYPE	RA	round adjustable	
	QA	square adjustable	
	RAT	round adjustable trimless	
	QAT	square adjustable trimless	
LED	WD	warm dim	
DELIVERED LUMENS	10LM	940 lm	
	Standard Configuration: 3000K 90CRI 40D **NL** **Calculated Delivered Lumens =** [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	3018	3000K, dim to 1800K	CCT at Light Level (%LF): %LF 100% / 10LM 3000; %LF 50% / 10LM 2800; %LF 25% / 10LM 2450; %LF 10% / 10LM 2050; %LF 5% / 10LM 1800
CRI	90	90 CRI	
OPTIC & LM MULTIPLIER	25D	25 degrees	(1.00)
	40D	40 degrees	(1.00)
	55D	55 degrees	(0.88)
	For 80° choose '55D' + 'DL' lens.		
BEZEL LENS	NL[1]	no lens	(1.00)
	CL[2]	clear lens	(0.95)
	DL[2]	diffused lens	(0.76)
	HET[2]	high efficiency textured lens, similar to Solite™	(0.92)
	HCL[3]	honeycomb louver	(0.64)
TRIM COLOR	BK	black	
	WH	white	
	MC	matte chrome	
	Not applicable to trimless option. Do not include in trimless ordering code.		
BEZEL COLOR	BK	black	(0.95)
	WH	white	(1.00)
	MC	matte chrome	(0.99)

ORDERING CODE		
MOUNTING OPTIONS	NC	new construction plate
	IC	insulation contact housing
	ICAT	insulation contact/airtight housing
	CP	chicago plenum housing
	RET	retrofit, no ceiling plate
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	DIM10	eldoLED flicker free 0-10V dim to 1%
	ELV1[4]	leading edge & trailing edge (Triac/ELV) dim to 1%
ELECTRICAL OPTIONS	EM10CA20	emergency battery backup, 90 minutes at 10W to LED, CA title 20

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NUE3 - RA - WD - 10LM - 3018 - 90 - 40D - NL - WH - WH - NC - UNV - DIM10

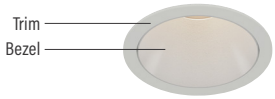
NOTES

1. NL lens option does not meet requirements for WET/NSF listings.
2. CL/DL/HET lens options with IC or ICAT housing are JA8 compliant.
3. HCL cannot be used with lens (max 1 media).
4. ELV1 available in 120V.

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

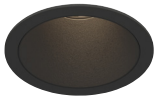
TRIM/BEZEL COLORS



WH



MC



BK

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.

HCL
Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
25D	26	<10
40D	33	<10
55D	41	<10

NL
No Lens



OPTIC	BEAM ANGLE	UGR
25D	28	<10
40D	38	<10
55D	53	<10

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
25D	29	<10
40D	39	<10
55D	52	<10

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
25D	65	15.4
40D	71	16.2
55D	78	17.3

HET
High Efficiency Textured Lens



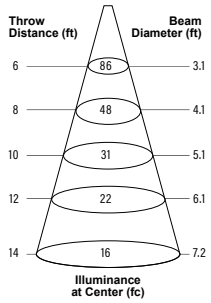
OPTIC	BEAM ANGLE	UGR
25D	31	<10
40D	39	<10
55D	52	<10

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

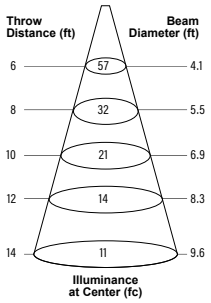
10LM

25D 28° NO LENS



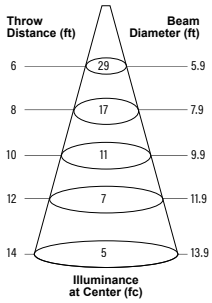
WATTS: 15	LPW: 62.8
LUMENS: 942	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	3102
5	2902
15	1438
25	364
35	129
45	33

40D 38° NO LENS



WATTS: 15	LPW: 62.5
LUMENS: 937	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2063
5	1990
15	1403
25	527
35	144
45	31

55D 53° NO LENS

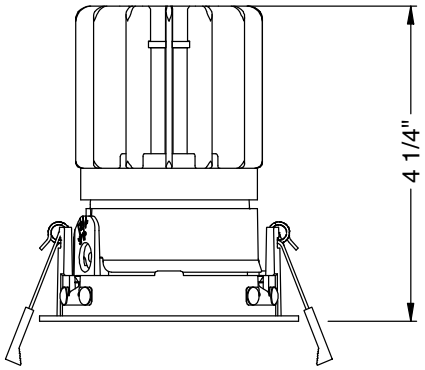


WATTS: 15	LPW: 56.3
LUMENS: 845	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1060
5	1035
15	871
25	575
35	267
45	72

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

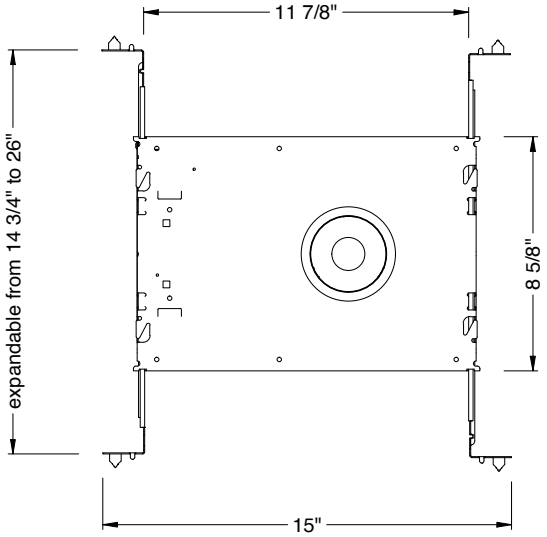
MOUNTING OPTIONS

FIXTURE HEIGHT

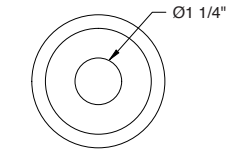


NC - NEW CONSTRUCTION

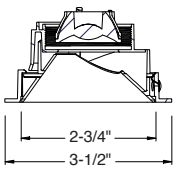
TRIM



ROUND

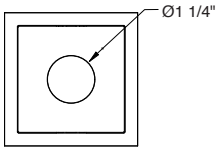


ceiling cutout
3-1/8" diameter
ceiling thickness
1/4" to 1"

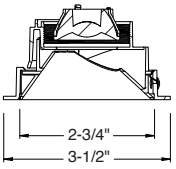


aperture dimensions

SQUARE



ceiling cutout
3-1/8" x 3-1/8" square
ceiling thickness
1/4" to 1"

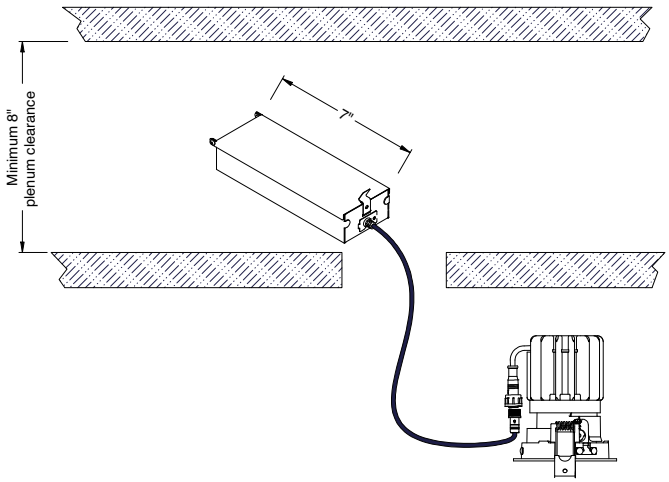


aperture dimensions

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

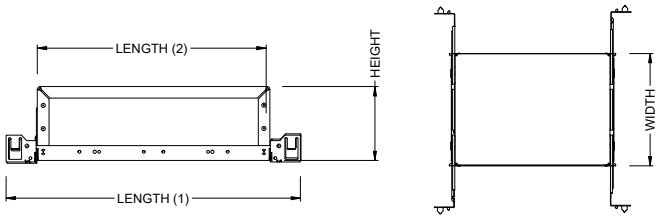
NC - RET



RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✔	✔			
TYPE IC			✔	✔	
CHICAGO PLENUM (CCEA)					✔
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔	✔	✔

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	NC, IC, ICAT, CP, RET
	STANDARD CEILING THICKNESS
TRIM	1/4" to 1"
TRIMLESS	1/4" to 1"

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"

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (25°-80°)			
LUMEN OUTPUT	BOX - A		
	CP	IC	ICAT
10LM	✔	✔	✔

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.

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

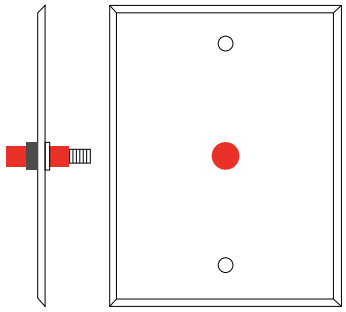
BATTERY OPTIONS

EMERGENCY BATTERY
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.

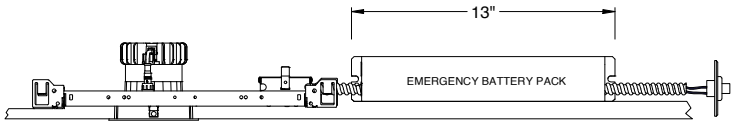
REMOTE LOCATION
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



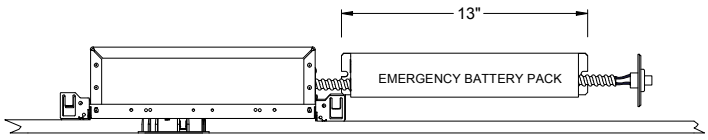
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)	
LUMEN ORDERING CODE	EM10
ALL OPTIONS (10LM)	625LM
Notes: Based on 30K, 90CRI	

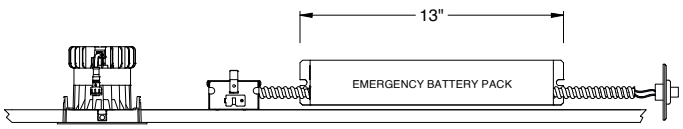
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



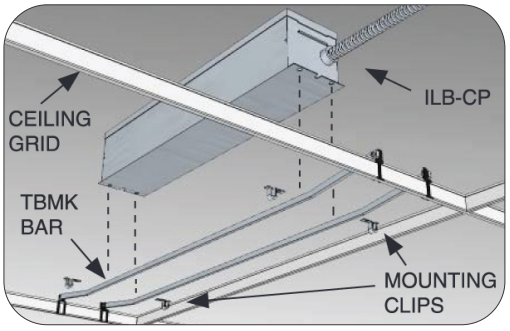
IC / ICAT / CP - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory
76066 Optional T-Grid Mounting Kit[1]



1. 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.