alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU essentials

4" Round & Square Wall Wash Standard White

WW BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
07LM	620LM @30K/90CRI	10.5W
10LM	890LM @30K/90CRI	15.5W
13LM	1150LM @30K/90CRI	20.5W
Notes	Delivered lumens based on WW optic (see page 2)	

T24 JA8–2022



FEATURES
- Economical choice for budget projects
- Thermally optimized for LED longevity
- Fully casted assembly
- 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%

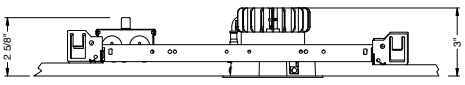
CONSTRUCTION
- Aluminum trim and bezel
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/4" to 1"

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

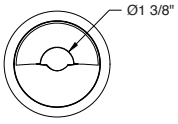
LISTING
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- IP44 with lens - suitable for wet location with lens - suitable damp location without lens
- 5 Year Limited warranty

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

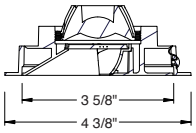


ROUND



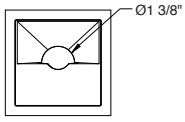
ceiling cutout
4" diameter

ceiling thickness
1/4" to 1"



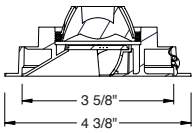
aperture dimensions

SQUARE



ceiling cutout
4" x 4" square

ceiling thickness
1/4" to 1"



aperture dimensions

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WW BEAM ORDERING CODE

SERIES	**NUE4**	NUE
TYPE	**RW**	round wall wash
	QW	square wall wash
	RWT	round wall wash trimless
	QWT	square wall wash trimless
LED	**SW**	standard white
DELIVERED LUMENS	**07LM**	620 lm
	10LM	890 lm
	13LM	1150 lm
	Standard Configuration: 3000K 90CRI WW	
CCT	**27K**	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	**90**	90 CRI
OPTIC & LM MULTIPLIER SEE PAGE 3	**WW**	wall wash
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)

CCT	2700K	3000K	3500K	4000K
CRI	90+	90+	90+	90+
CCT MULTIPLIER FOR LUMEN OUTPUT	.96	1	1.03	1.06

WW BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 4, 5	**NC**	new construction plate
	NCIC[1]	new construction with ceiling fitting plate, insulation contact rated (no housing required)
	IC[2]	insulation contact housing
	ICAT[2]	insulation contact/airtight housing
	CP	chicago plenum housing
	RET	retrofit, no ceiling plate
	RETIC[1]	retrofit, no ceiling fitting plate, insulation contact rated (no housing required)
VOLTAGE	**120**	120V
	UNV	120V-277V
DIMMING	**DIM10**	eldoLED flicker free 0-10V dim to 1%
	ELV1[3]	leading edge & trailing edge (Triac/ELV) dim to 1%
ELECTRICAL OPTIONS	**EM7**	remote emergency battery, 90 min at 7W
	EM10CA20	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:

NUE4 - RW - SW - 10LM - 30K - 90 - WW- WH - WH - NC - UNV - DIM10

NOTES

1. NCIC & RETIC available in 07LM, rated for insulation contact (IC), no "IC-housing" required.
2. IC or ICAT housing are JA8 compliant.
3. ELV1 available in 120V.

TRIM OPTIONS

TRIM/BEZEL COLORS

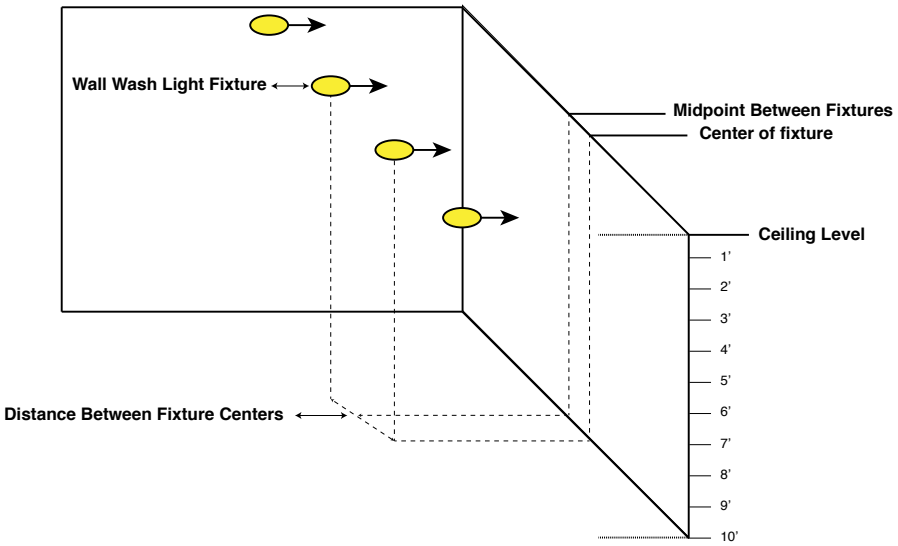


WH MC BK

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA CHARTS



FOOT CANDLE MEASUREMENT

Static White Wall Wash 13LM, 90CRI, 3000K

MOUNTING DISTANCE	2' FROM WALL				3' FROM WALL				4' FROM WALL			
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		3' ON CENTER		4' ON CENTER		4' ON CENTER		5' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	44.1	42.3	34.1	24.4	15.3	14.3	12.8	9.6	6.7	6.2	5.8	4.5
2'	41.1	40.2	30.6	25.5	20.4	20.2	16.3	14.6	11	10.6	9.4	8
3'	34.5	33.9	26.2	22	18.3	17.9	14.8	13.1	11.3	11.1	9.4	8.8
4'	29.7	29.5	22.3	19.6	16.1	15.8	13.1	11.7	10.3	10.1	8.7	7.9
5'	24.6	24.8	18.2	17	14.6	14.4	11.9	10.8	9.3	9.1	7.9	7.3
6'	19.7	19.9	14.4	14.1	13.2	13.1	10.7	10	8.6	8.5	7.3	6.8
7'	15.5	15.7	11.5	11.4	11.7	11.7	9.4	9	8	7.9	6.8	6.4
8'	12.2	12.4	9.2	9.2	10.2	10.3	8.2	8	7.4	7.4	6.3	6
9'	9.6	9.8	7.4	7.5	8.7	8.8	7	7	6.8	6.8	5.7	5.6
10'	7.7	7.8	6	6.1	7.5	7.6	6	6	6.1	6.2	5.2	5.1
11'	6.2	6.3	4.9	5	6.3	6.5	5.2	5.2	5.5	5.6	4.7	4.6
12'	5.1	5.2	4.1	4.2	5.4	5.5	4.5	4.5	4.9	5	4.2	4.2

Static White Wall Wash 10LM, 90CRI, 3000K

MOUNTING DISTANCE	2' FROM WALL				3' FROM WALL				4' FROM WALL			
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		3' ON CENTER		4' ON CENTER		4' ON CENTER		5' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	34.3	32.9	26.4	18.9	11.9	11.1	9.9	7.4	5.2	4.8	4.5	3.5
2'	31.9	31.2	23.8	19.8	15.8	15.7	12.6	11.3	8.6	8.2	7.3	6.2
3'	26.7	26.3	20.3	17.1	14.2	13.9	11.5	10.2	8.8	8.6	7.3	6.8
4'	23	22.9	17.3	15.2	12.5	12.3	10.2	9.1	8	7.8	6.7	6.2
5'	19.1	19.2	14.1	13.2	11.3	11.2	9.2	8.4	7.2	7.1	6.1	5.7
6'	15.3	15.4	11.2	11	10.2	10.2	8.3	7.7	6.7	6.6	5.7	5.3
7'	12	12.2	8.9	8.9	9.1	9.1	7.3	7	6.2	6.2	5.3	5
8'	9.4	9.6	7.1	7.2	7.9	8	6.3	6.2	5.8	5.7	4.9	4.7
9'	7.5	7.6	5.7	5.8	6.8	6.9	5.5	5.4	5.3	5.3	4.5	4.3
10'	6	6.1	4.7	4.7	5.8	5.9	4.7	4.7	4.8	4.8	4	4
11'	4.8	4.9	3.8	3.9	4.9	5	4	4.1	4.3	4.3	3.6	3.6
12'	3.9	4	3.2	3.3	4.2	4.3	3.5	3.5	3.8	3.9	3.2	3.2

NOTE

1.Performance based on typical reflectance values and room dimensions. IES files available at ledrabrands.com

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA CHARTS (CONTINUED)

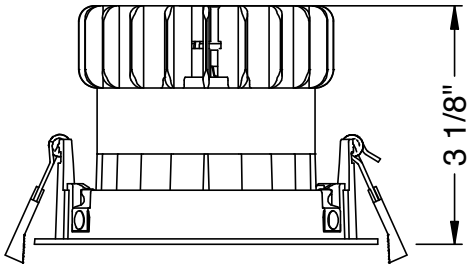
Static White Wall Wash 07LM, 90CRI, 3000K												
MOUNTING DISTANCE	2' FROM WALL				3' FROM WALL				4' FROM WALL			
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		3' ON CENTER		4' ON CENTER		4' ON CENTER		5' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	23.9	22.9	18.4	13.2	8.3	7.7	6.9	5.2	3.6	3.3	3.1	2.4
2'	22.2	21.8	16.5	13.8	11	10.9	8.8	7.9	6	5.7	5.1	4.3
3'	18.6	18.3	14.2	11.9	9.9	9.7	8	7.1	6.1	6	5.1	4.7
4'	16	16	12	10.6	8.7	8.6	7.1	6.4	5.5	5.4	4.7	4.3
5'	13.3	13.4	9.8	9.2	7.9	7.8	6.4	5.9	5	4.9	4.3	3.9
6'	10.6	10.8	7.8	7.6	7.1	7.1	5.8	5.4	4.7	4.6	4	3.7
7'	8.4	8.5	6.2	6.2	6.3	6.3	5.1	4.9	4.3	4.3	3.7	3.5
8'	6.6	6.7	5	5	5.5	5.6	4.4	4.3	4	4	3.4	3.2
9'	5.2	5.3	4	4	4.7	4.8	3.8	3.8	3.7	3.7	3.1	3
10'	4.1	4.2	3.2	3.3	4	4.1	3.3	3.3	3.3	3.3	2.8	2.8
11'	3.3	3.4	2.7	2.7	3.4	3.5	2.8	2.8	3	3	2.5	2.5
12'	2.7	2.8	2.2	2.3	2.9	3	2.4	2.4	2.7	2.7	2.2	2.2

NOTE

1.Performance based on typical reflectance values and room dimensions. IES files available at ledrabrands.com

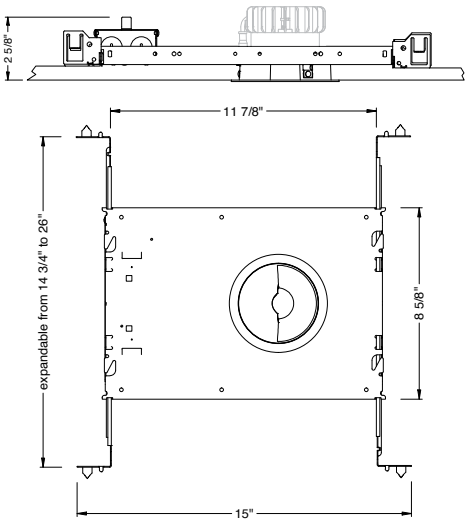
MOUNTING OPTIONS

FIXTURE HEIGHT

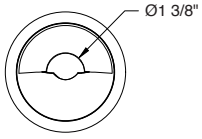


NC - NEW CONSTRUCTION

TRIM

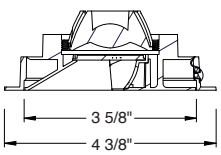


ROUND



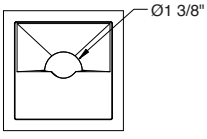
ceiling cutout
4" diameter

ceiling thickness
1/4" to 1"



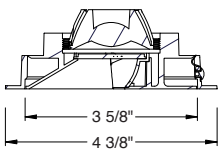
aperture dimensions

SQUARE



ceiling cutout
4" x 4" square

ceiling thickness
1/4" to 1"



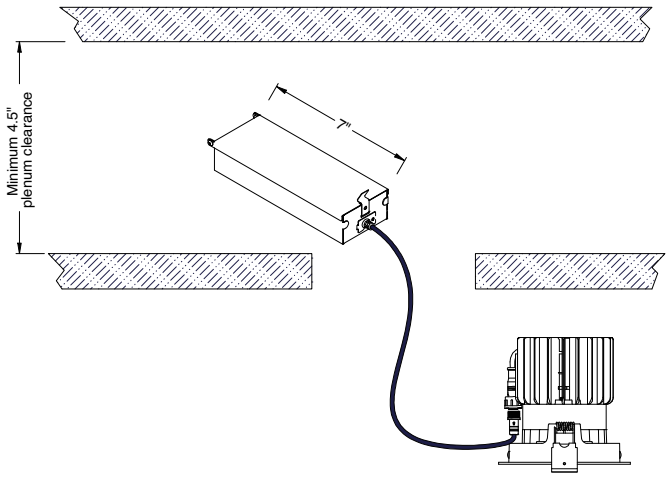
aperture dimensions

alphabet

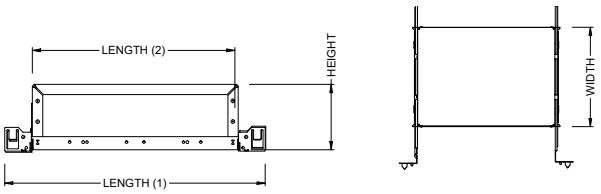
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

NC - RET - NCIC - RETIC



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"

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

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (WW)			
LUMEN OUTPUT	BOX - A		
	IC	ICAT	CP
07LM	✔	✔	✔
10LM	✔	✔	✔
13LM	✔	✔	✔

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

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

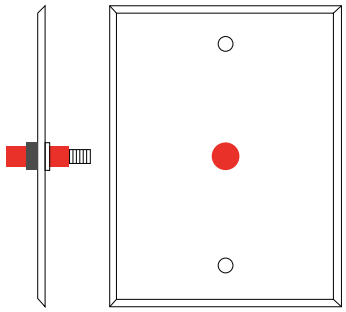
BATTERY OPTIONS

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 required.

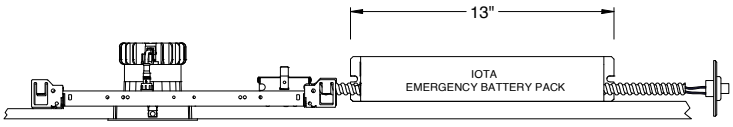
REMOTE LOCATION
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



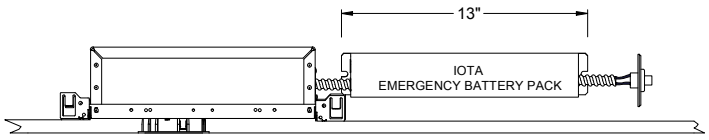
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)		
LUMEN ORDERING CODE	EM7	EM10
ALL OPTIONS (07LM TO 13LM)	690LM	990LM
Notes: Based on 30K, 90CRI		

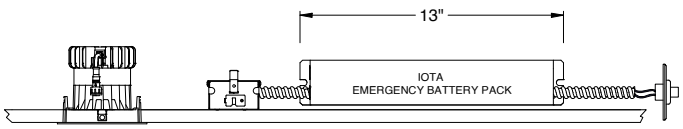
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



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

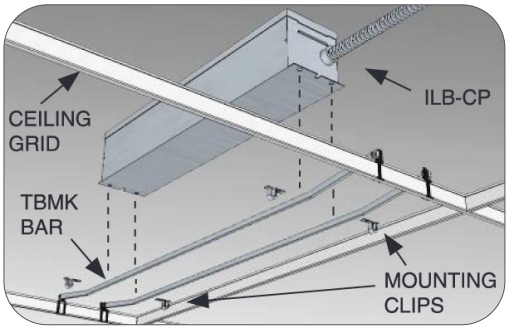


RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



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.