alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

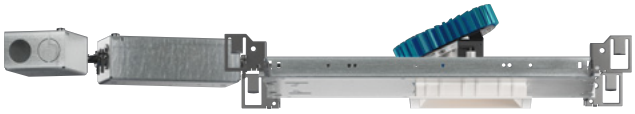
NU4 LOPRO

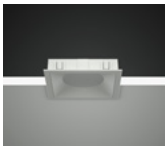
4" Square Wall Wash Warm Dim

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

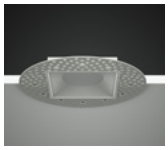
WW BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	900M @30K/97CRI	9W
13LM	1170LM @30K/97CRI	14W
20LM	1510LM @30K/97CRI	16W
Notes	Delivered lumens based on WW optic with no lens, (see page 2)	

LUMINUS





Trim



Trimless



Trimless Millwork

FEATURES

- An asymmetric reflector with highly efficient BrightView angle bending lens produces excellent wall washing with no scalloping
- 4' set back with 6' on center spacing - 15 FC average
- 3/4" bezel regress with 1/16" micro flange
- Double jointed driver box allows for 4" shallow plenum installation
- UGR <18
- 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

- Shatter proof acrylic bezel lens
- Lexan™ (PC) Optimal connectivity for wireless control signal
- Impact and chemical resistant at the highest level
- Withstands temperatures up to 240°F
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-1/4"

LED

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

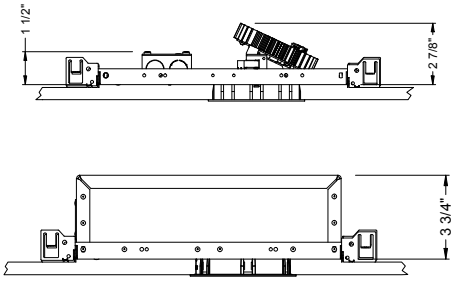
LISTING

- 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)
- NSF/ANSI-2 with lens (Non Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

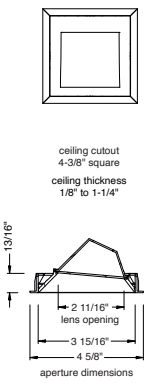
ELECTRICAL

- 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)

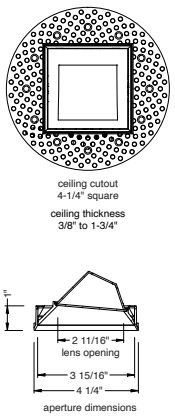
FIXTURE HEIGHT



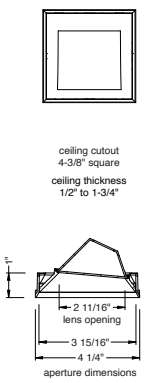
TRIMMED



TRIMLESS



MILLWORK



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			

WW BEAM ORDERING CODE

SERIES	**NU4**	NU4
TYPE	**QWLP**	square wall wash, lopro
	QWTLP	square wall wash, trimless, lopro
	QWTMWLP	square wall wash, trimless millwork, lopro
LED	**WD**	warm dim (Luminus)
DELIVERED LUMENS	**10LM**	900 lm
	15LM	1350 lm
	20LM	1510 lm
	Standard Configuration: 3000K 97CRI WW **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier] x [Lens Multiplier]	
CCT	**3018**	3000K, dim to 1800K

CCT at Light Level (%LF)

%LF	20LM	15LM	10LM
1	3000	3000	3000
0.5	3000	3000	2800
0.25	2800	2500	2300
0.1	2200	2000	1900
0.05	1800	1800	1800

CRI	**97**	97 CRI
OPTIC & LM MULTIPLIER SEE PAGE 3	**WW**	wall wash with diffused angle bending lens
TRIM COLOR SEE PAGE 3	**BK**	black
	WH	white
	MC	matte chrome
	WT	wheat
	BZ	bronze
	Not applicable to trimless option. Do not include in trimless ordering code.	
BEZEL COLOR SEE PAGE 3	**BK**	black (0.98)
	WH	white (1.00)
	MC	matte chrome (0.99)
	BZ	bronze (0.98)
	WT	wheat (0.99)

WW BEAM ORDERING CODE

MOUNTING OPTIONS SEE PAGE 5, 6	**NC**	new construction with ceiling fitting plate
	IC[2]	insulation contact housing
	RET	retrofit, no ceiling fitting plate
VOLTAGE	**120**	120V
	UNV	120V-277V
DIMMING	**DIM10**	standard 0-10V dimming to 1%
	ELV1[3]	leading & trailing edge (Triac/ELV) dimming to 1%
ELECTRICAL OPTIONS	**EM7**	emergency battery backup, 90 minutes at 7W to LED
	EM12[4]	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 - QWLP - WD - 13LM - 3018 - 97 - WW - WH - WH - NC - 120 - DIM10 - EM7

NOTES

1. IC not available for 20LM.
2. ELV1 available in 120V.
3. EM12 not available in 10LM

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

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

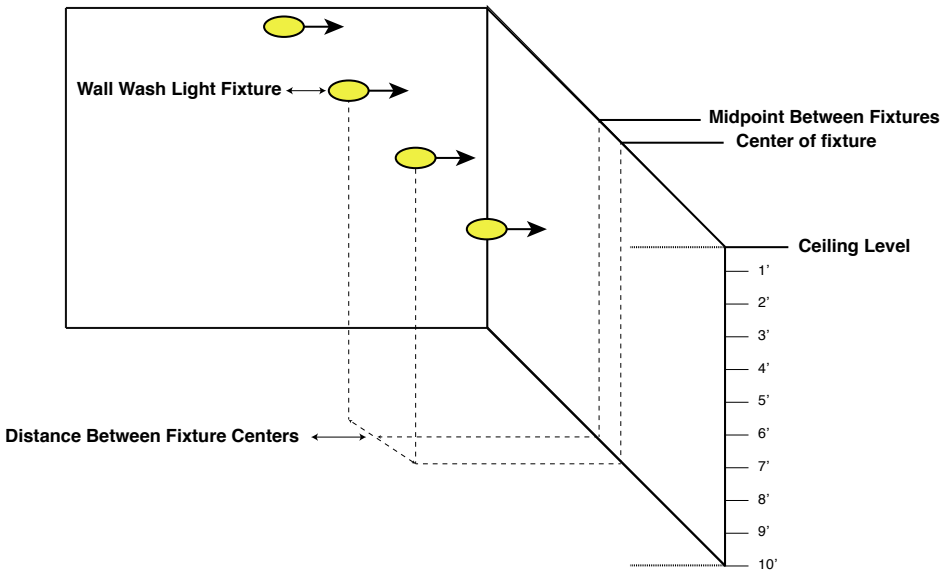
TRIM OPTIONS

TRIM/BEZEL COLORS



WH MC BK BZ WT

PHOTOMETRIC DATA DIAGRAM



PHOTOMETRIC DATA CHARTS

FOOT CANDLE MEASUREMENT

Warm Dim Wall Wash 30LM, 97CRI, 3000K																		
MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	53.8	58.9	41.5	32.7	38.4	16.8	14.8	15.6	10.7	10.8	8.6	7.7	5.3	5.5	4.2	4.2	3.2	2.6
2'	140.1	144.3	92.5	98.5	77	67.5	65.5	70.1	45.6	48.1	34.7	35.1	17.6	19.1	13.4	14.7	10.4	8.2
3'	109.9	112	75.7	79.9	58.4	60.8	84.9	90.2	62.3	64.1	45.9	49.4	38.8	41.1	30.1	31.5	20.7	20.1
4'	72	73	52.4	54.9	40.4	43.2	70.9	74.9	55	56	41.7	43.8	44	46.2	35	36.1	23.1	24.6
5'	46.2	46.9	35.5	36.9	28	29.8	52.9	55.4	42.8	43.5	33.4	34.8	39.6	41.4	32.5	33.1	21.7	23.2
6'	30.4	30.8	24.4	25.2	19.8	20.9	38.2	39.7	32	32.5	25.8	26.7	32.7	34.1	27.5	28	18.9	20
7'	20.6	20.9	17.2	17.8	14.3	15	27.6	28.5	23.8	24.1	19.7	20.3	26.1	27.1	22.4	22.8	15.9	16.7
8'	14.5	14.6	12.5	12.8	10.6	11.1	20.2	20.7	17.8	18	15.1	15.5	20.6	21.3	18	18.3	13.1	13.7
9'	10.5	10.6	9.2	9.5	8	8.4	15	15.4	13.5	13.7	11.7	12	16.2	16.7	14.4	14.6	10.8	11.2
10'	7.8	7.8	7	7.2	6.2	6.4	11.4	11.6	10.4	10.5	9.2	9.4	12.8	13.2	11.6	11.7	8.9	9.2

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)

FOOT CANDLE MEASUREMENT

Warm Dim Wall Wash 20LM, 97CRI, 3000K

MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	31	37.4	21.4	23.2	19.3	13	9	10	6.4	7.3	5	5.3	3.2	3.4	2.5	2.8	1.9	1.7
2'	87.5	91	56.7	62.9	46.8	43.6	39.2	43	27.2	29.9	20.2	22.1	10.4	11.8	7.7	9.4	5.4	5.8
3'	70.1	71.5	47.9	51.3	36.7	39.4	52.9	56.7	38.9	40.4	28.3	31.4	23.5	25.3	18.2	19.6	12.1	12.8
4'	46.3	47	33.6	35.4	25.9	28	44.9	47.7	34.9	35.7	26.3	28	27.4	29	21.9	22.7	14.2	15.7
5'	29.9	30.3	22.9	23.8	18	19.3	33.8	35.5	27.4	27.9	21.3	22.4	25	26.3	20.5	21	13.6	14.8
6'	19.7	19.9	15.8	16.3	12.8	13.5	24.5	25.6	20.6	20.9	16.5	17.2	20.8	21.8	17.5	17.9	12	12.8
7'	13.4	13.5	11.1	11.5	9.3	9.7	17.8	18.4	15.3	15.6	12.7	13.1	16.7	17.4	14.4	14.6	10.1	10.7
8'	9.4	9.5	8.1	8.3	6.9	7.2	13	13.4	11.5	11.7	9.7	10	13.2	13.7	11.6	11.7	8.4	8.8
9'	6.8	6.9	6	6.1	5.2	5.4	9.7	9.9	8.7	8.9	7.6	7.8	10.4	10.8	9.3	9.4	6.9	7.3
10'	5.1	5.1	4.5	4.6	4	4.2	7.4	7.5	6.7	6.8	5.9	6.1	8.3	8.5	7.5	7.6	5.7	6

Warm Dim Wall Wash 13LM, 97CRI, 3000K

MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	20.7	25.1	14.4	15.5	12.9	8.7	6	6.7	4.3	4.9	3.4	3.5	2.1	2.3	1.7	1.8	1.3	1.2
2'	58.6	60.9	38	42.2	31.4	29.2	26.2	28.8	18.2	20	13.5	14.8	7	7.9	5.2	6.3	3.6	3.9
3'	47	47.9	32.1	34.4	24.6	26.4	35.4	38	26	27.1	19	21	15.8	17	12.2	13.1	8.1	8.6
4'	31	31.5	22.5	23.7	17.3	18.7	30.1	31.9	23.4	23.9	17.6	18.8	18.4	19.5	14.7	15.2	9.5	10.5
5'	20	20.3	15.3	16	12.1	12.9	22.6	23.8	18.3	18.7	14.3	15	16.7	17.6	13.8	14.1	9.1	9.9
6'	13.2	13.3	10.6	10.9	8.5	9.1	16.4	17.1	13.8	14	11.1	11.5	14	14.6	11.7	12	8	8.6
7'	9	9.1	7.5	7.7	6.2	6.5	11.9	12.3	10.3	10.4	8.5	8.8	11.2	11.6	9.6	9.8	6.8	7.2
8'	6.3	6.4	5.4	5.6	4.6	4.8	8.7	9	7.7	7.8	6.5	6.7	8.9	9.2	7.8	7.9	5.6	5.9
9'	4.6	4.6	4	4.1	3.5	3.6	6.5	6.7	5.9	5.9	5.1	5.2	7	7.2	6.2	6.3	4.6	4.9
10'	3.4	3.4	3	3.1	2.7	2.8	4.9	5	4.5	4.6	4	4.1	5.5	5.7	5	5.1	3.8	4

Warm Dim Wall Wash 10LM, 97CRI, 3000K

MOUNTING DISTANCE	2' FROM WALL						3' FROM WALL						4' FROM WALL					
FIXTURE SPACING	2' ON CENTER		3' ON CENTER		4' ON CENTER		2' ON CENTER		3' ON CENTER		4' ON CENTER		3' ON CENTER		4' ON CENTER		6' ON CENTER	
DISTANCE FROM CEILING	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT	CENTER	MID POINT
1'	16.4	19.8	11.3	12.3	10.2	6.9	4.8	5.3	3.4	3.9	2.7	2.8	1.7	1.8	1.3	1.5	1	0.9
2'	46.4	48.2	30.1	33.3	24.8	23.1	20.8	22.8	14.4	15.8	10.7	11.7	5.5	6.3	4.1	5	2.9	3.1
3'	37.2	37.9	25.4	27.2	19.5	20.9	28	30.1	20.6	21.4	15	16.6	12.5	13.4	9.6	10.4	6.4	6.8
4'	24.5	24.9	17.8	18.8	13.7	14.8	23.8	25.3	18.5	18.9	13.9	14.8	14.5	15.4	11.6	12	7.5	8.3
5'	15.8	16.1	12.1	12.6	9.5	10.2	17.9	18.8	14.5	14.8	11.3	11.9	13.3	13.9	10.9	11.1	7.2	7.8
6'	10.4	10.5	8.4	8.6	6.8	7.2	13	13.6	10.9	11.1	8.7	9.1	11	11.6	9.3	9.5	6.4	6.8
7'	7.1	7.2	5.9	6.1	4.9	5.1	9.4	9.8	8.1	8.3	6.7	6.9	8.9	9.2	7.6	7.7	5.4	5.7
8'	5	5	4.3	4.4	3.7	3.8	6.9	7.1	6.1	6.2	5.1	5.3	7	7.3	6.1	6.2	4.5	4.7
9'	3.6	3.7	3.2	3.2	2.8	2.9	5.1	5.2	4.6	4.7	4	4.1	5.5	5.7	4.9	5	3.7	3.9
10'	2.7	2.7	2.4	2.4	2.1	2.2	3.9	4	3.6	3.6	3.1	3.2	4.4	4.5	4	4	3	3.2

NOTE

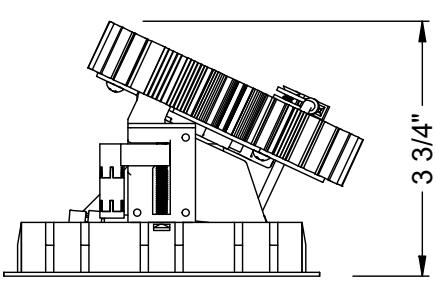
1. Performance based on typical reflectance values and room dimensions. IES files available at ledrabrands.com

alphabet

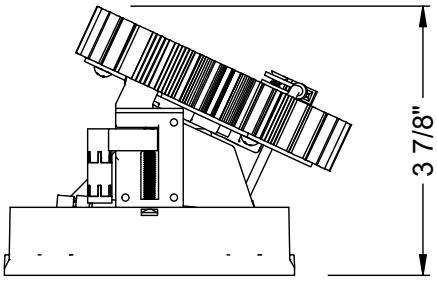
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

FIXTURE HEIGHT



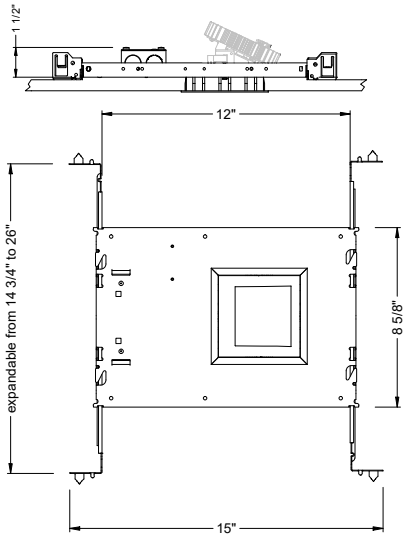
TRIMMED



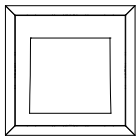
TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

TRIM

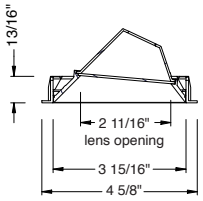


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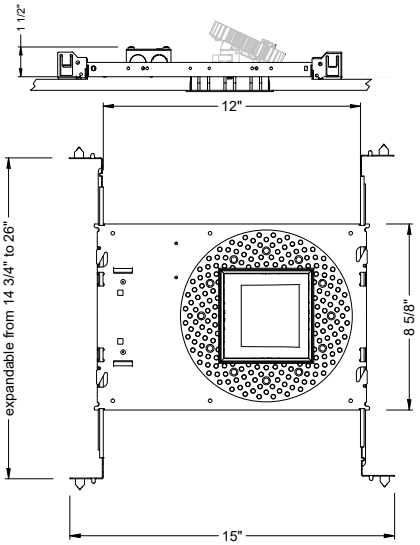
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4-3/8" square

ceiling thickness
1/8" to 1-1/4"

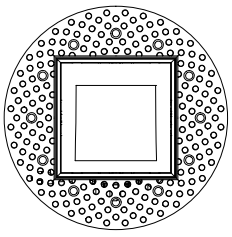


aperture dimensions

TRIMLESS

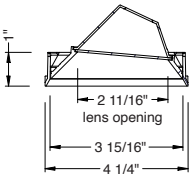


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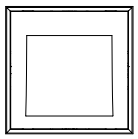
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ceiling thickness
3/8" to 1-3/4"



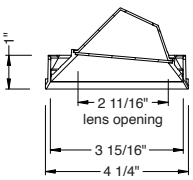
aperture dimensions

TRIMLESS/MILLWORK



ceiling cutout
4-3/8" square

ceiling thickness
1/2" to 1-3/4"



aperture dimensions

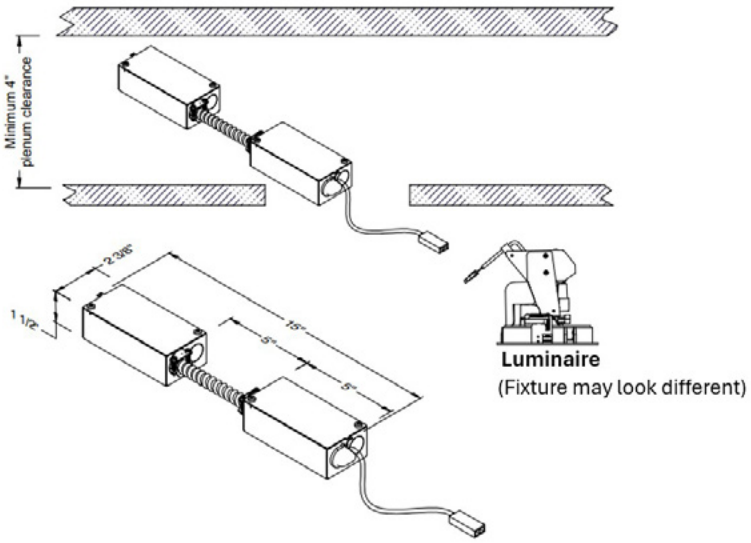
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

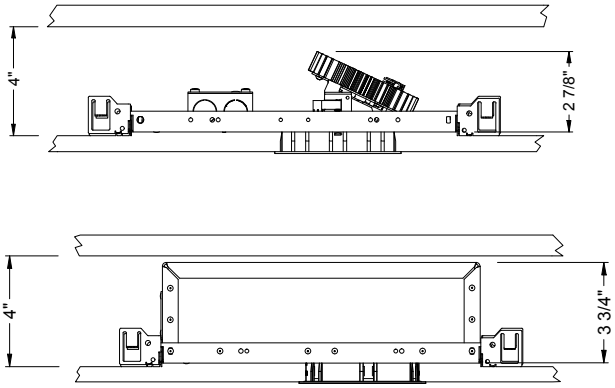
RET - RETRO

TRIM/TRIMLESS

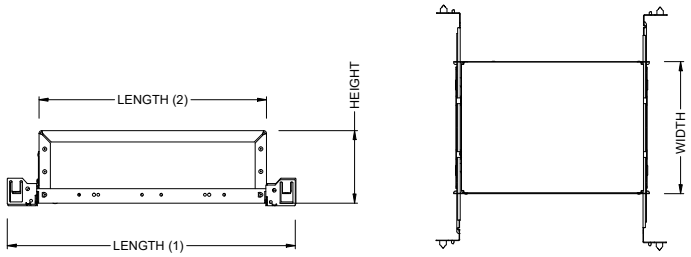


RATINGS / CERTIFICATIONS	NC	RET	IC
TYPE NON-IC	✔	✔	
TYPE IC			✔
CHICAGO PLENUM (CCEA)			
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	NC, IC, RET
	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 BEAM (WW)	
LUMEN OUTPUT	BOX - A
	IC
10LM	✔
15LM	✔
20LM	

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.

INTEGRAL AND REMOTE TEST SWITCH

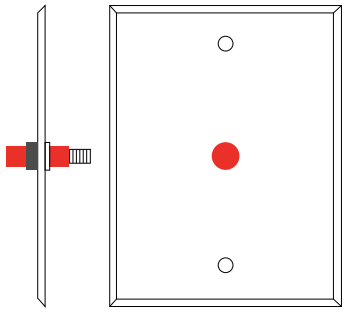
The LED Fixture may be offered with the option for an Integral Test Switch, which is mounted in the Trim/Bezel and pre-wired to the Emergency Circuitry. The Remote Test Switch comes as a standard option, and may be mounted adjacent to the LED Fixture by others.

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

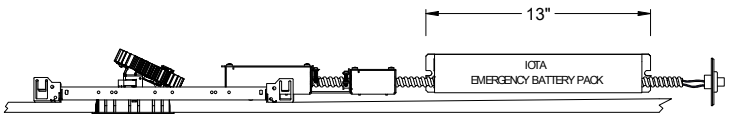
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



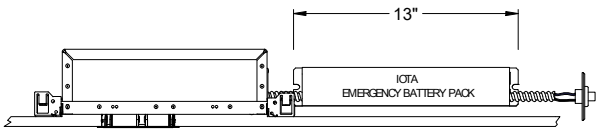
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 20LM)	484LM	692LM	825LM
Notes: Based on 30K, 97CRI			

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

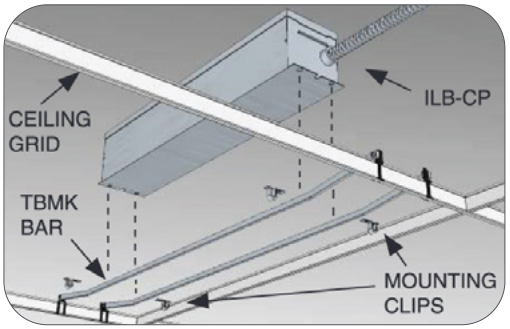


IC - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



Accessory

76066 Optional T-Grid Mounting 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.