alphabet

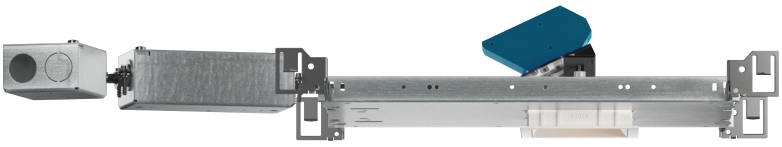
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU3 LOPRO

3" Square Wall Wash Standard White

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

WW BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1080LM @30K/90CRI	12W
15LM	1510LM @30K/90CRI	17W
20LM	2080LM @30K/90CRI	24W
25LM	2550LM @30K/90CRI	31W
Notes	Delivered lumens based on wall wash optic, (see page 2)	



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
- Double jointed driver box allows for 4" shallow plenum installation
- UGR <18
- Multiple mounting, glare control options, trims, and finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

DIMMING AND CONTROLS

- eldoLED 0-10V dimming to 1%
- BAA - BABA compliant, flicker free 0-10V dim to 1%
- leading & trailing edge (Triac / ELV) dimming to 1%

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 5/8"

LED

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

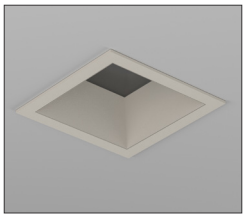
LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- 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

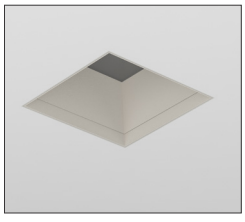
ELECTRICAL

- 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)

TRIM OPTIONS



Trimmed

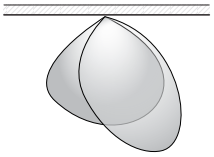


Trimless



Trimless Millwork

BEAM SPREADS



85.5˚

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE		
SERIES	NU3	NU3
TYPE	QWLP	square wall wash, lopro
	QWTLP	square wall wash, trimless, lopro
	QWTMWLP	square wall wash, trimless millwork, lopro
LED	SW	standard white
DELIVERED LUMENS	10LM	1080 lm
	15LM	1510 lm
	20LM	2080 lm
	25LM	2550 lm
	Standard Configuration: 3000K 90CRI	
	Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier]	
CCT	27K	2700K
	30K	3000K
	35K	3500K
	40K	4000K
CRI	90	90 CRI
OPTIC & LM MULTIPLIER	WW	wall wash with diffused angle bending lens
TRIM COLOR	BK	black
	WH	white
	MC	matte chrome
	CC[1]	custom color, consult factory for details
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.	
	Not applicable to trimless option. Do not include in trimless ordering code.	
BEZEL COLOR	BK	black (0.98)
	WH	white (1.00)
	MC	matte chrome (0.99)
	BZ	bronze (0.98)
	CC[1]	custom color, consult factory for details
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.	

CCT	2700K	3000K	3500K	4000K
CRI	90+	90+	90+	90+
CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	1	1.01	1.02

ORDERING CODE		
MOUNTING OPTIONS	NC	new construction plate
	IC[2]	insulation contact housing
	RET	retrofit, no ceiling plate
VOLTAGE	120	120V
	UNV	120V-277V
	LVL[3]	low voltage luminaire
DIMMING	DIM10	eldoLED flicker free 0-10V dim to 1%
	BDIM10[4]	BAA – BABA compliant, flicker free 0-10V dim to 1%
	ELV1[5]	leading edge & trailing edge (Triac/ELV) dim to 1%
	ND	no driver included
ELECTRICAL OPTIONS	EM7	remote emergency battery, 90 min at 7W
	EM12	remote emergency battery, 90 min at 12W
	EM10CA20	remote emergency battery, 90 min at 10W

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU3 - QWLP - SW - 25LM - 30K - 90 - WW - WH - WH - NC - UNV - DIM10 - EM7

NOTES

1. Custom set up fee plus minimum quantity required per color
2. IC not available in 25LM.
3. Must select ND dimming code. For remote driver or POE (by other) Ref page 10
4. BDIM10 not available in 20LM
5. ELV dimming available in 120V.

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

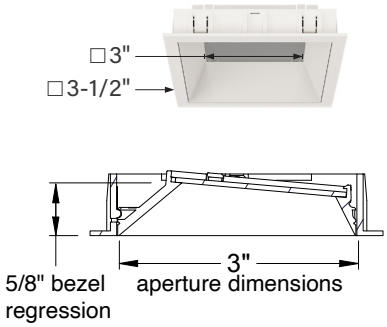
TRIM OPTIONS

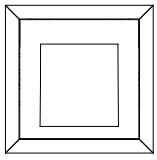
TRIM/BEZEL COLORS



WH MC BK BZ CC

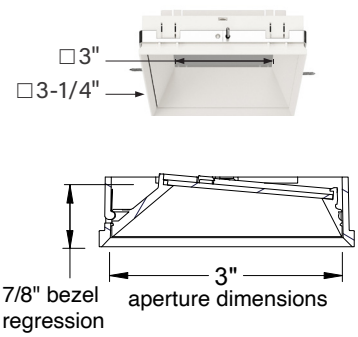
TRIMMED

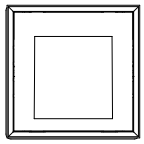




ceiling cutout
3-1/4" square
ceiling thickness
1/8" to 1-1/4"

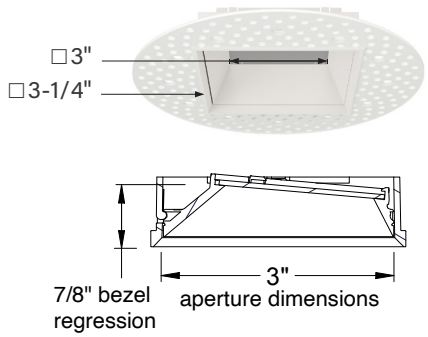
MILLWORK

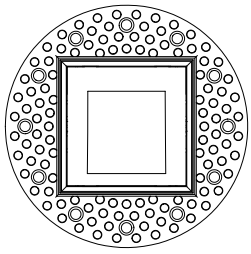




ceiling cutout
3-9/32" square
ceiling thickness
5/8" to 1-1/4"

TRIMLESS



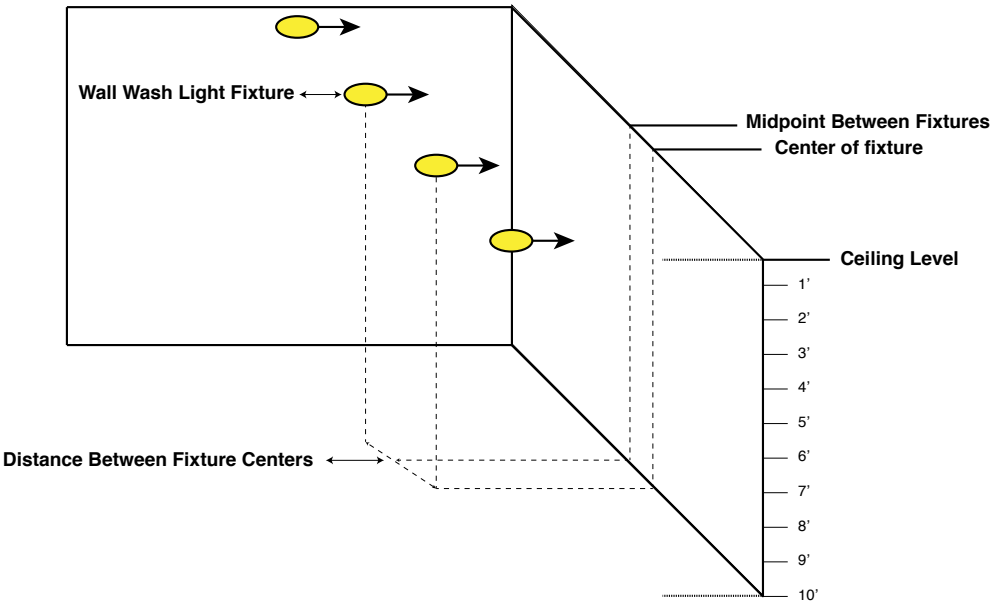


ceiling cutout
3-1/2" square
ceiling thickness
3/8" to 1-1/4"

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA DIAGRAM



PHOTOMETRIC DATA CHARTS

FOOT CANDLE MEASUREMENT

STANDARD WHITE WALL WASH 25LM 90CRI 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'	23.5	22.9	17.8	14	15.9	8.4	6.2	5.8	5.3	4	4.5	1.9	2.9	2.9	2.5	2.1	1.9	1.2
2'	91.8	95.9	61.4	66.1	51.4	43.2	17.1	17.8	13.5	13	11.1	6.5	7.4	7.4	5.9	5.7	4.4	3.5
3'	111.8	114.1	78.7	79.6	59.4	60.4	40.8	42.6	30.4	33.1	22.8	19.2	16.9	16.9	13	13.4	9.3	8.7
4'	92.4	95.2	68.7	69	52.9	52.4	50.3	50.7	38.5	39.3	26.3	26.8	29.5	30	23	24	15.4	16.5
5'	68.6	70.5	52.9	53.9	41.6	41.5	47.5	48.9	38.1	38.1	25.9	26	34.3	35	27.9	28.1	18.7	19.8
6'	49.2	50.5	39.4	40.2	31.5	32	41.1	42.3	33.5	34	23.5	23.3	33.6	34.6	28	28.5	19.7	19.9
7'	35.4	36.2	29.1	29.8	23.8	24.4	33.9	34.8	28.1	28.8	20.2	20	30.8	31.5	25.9	26.7	18.9	18.9
8'	25.8	26.3	21.8	22.3	18.2	18.6	27.3	28.1	23.1	23.7	16.9	16.9	26.9	27.5	23.1	23.8	17.2	17.2
9'	19.1	19.5	16.5	16.9	14.1	14.4	21.9	22.4	18.8	19.3	14	14.2	23	23.5	20.1	20.6	15.2	15.4
10'	14.4	14.7	12.7	13	11	11.3	17.5	18	15.3	15.7	11.6	11.9	19.4	19.8	17.1	17.6	13.2	13.5

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 DIAGRAM

FOOT CANDLE MEASUREMENT

STANDARD WHITE WALL WASH 20LM 90CRI 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'	19.2	18.7	14.5	11.4	13	6.9	5.1	4.7	4.3	3.2	3.7	1.6	2.3	2.3	2	1.7	1.6	1
2'	74.9	78.2	50.1	53.9	41.9	35.3	13.9	14.5	11	10.6	9.1	5.3	6.1	6	4.8	4.7	3.6	2.9
3'	91.2	93.1	64.2	64.9	48.4	49.3	33.3	34.8	24.8	27	18.6	15.7	13.8	13.8	10.6	11	7.6	7.1
4'	75.4	77.6	56	56.2	43.1	42.7	41.1	41.4	31.4	32	21.4	21.8	24	24.5	18.7	19.6	12.5	13.5
5'	55.9	57.5	43.1	44	34	33.9	38.8	39.9	31.1	31.1	21.1	21.2	27.9	28.6	22.7	22.9	15.3	16.1
6'	40.1	41.2	32.1	32.8	25.7	26.1	33.5	34.5	27.3	27.8	19.2	19	27.4	28.3	22.8	23.3	16	16.2
7'	28.8	29.5	23.8	24.3	19.4	19.9	27.6	28.4	22.9	23.5	16.5	16.3	25.1	25.7	21.1	21.8	15.4	15.4
8'	21	21.4	17.8	18.2	14.8	15.2	22.3	22.9	18.8	19.3	13.8	13.8	22	22.4	18.8	19.4	14	14.1
9'	15.6	15.9	13.5	13.8	11.5	11.8	17.8	18.3	15.4	15.7	11.4	11.6	18.8	19.2	16.4	16.8	12.4	12.5
10'	11.8	12	10.4	10.6	9	9.2	14.3	14.6	12.5	12.8	9.5	9.7	15.8	16.1	14	14.4	10.8	11

STANDARD WHITE WALL WASH 15LM 90CRI 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'	13.9	13.5	10.5	8.3	9.4	5	3.7	3.4	3.1	2.3	2.7	1.1	1.7	1.7	1.4	1.2	1.1	0.7
2'	54.3	56.7	36.3	39.1	30.4	25.6	10.1	10.5	8	7.7	6.6	3.9	4.4	4.4	3.5	3.4	2.6	2.1
3'	66.1	67.5	46.5	47.1	35.1	35.7	24.1	25.2	18	19.6	13.5	11.4	10	10	7.7	7.9	5.5	5.1
4'	54.6	56.3	40.6	40.8	31.3	31	29.8	30	22.8	23.2	15.5	15.8	17.4	17.7	13.6	14.2	9.1	9.8
5'	40.5	41.7	31.3	31.9	24.6	24.5	28.1	28.9	22.5	22.5	15.3	15.4	20.2	20.7	16.5	16.6	11.1	11.7
6'	29.1	29.9	23.3	23.8	18.6	18.9	24.3	25	19.8	20.1	13.9	13.8	19.9	20.5	16.5	16.9	11.6	11.8
7'	20.9	21.4	17.2	17.6	14.1	14.4	20	20.6	16.6	17	11.9	11.9	18.2	18.6	15.3	15.8	11.2	11.2
8'	15.2	15.5	12.9	13.2	10.8	11	16.2	16.6	13.7	14	10	10	15.9	16.3	13.7	14.1	10.2	10.2
9'	11.3	11.5	9.8	10	8.3	8.5	12.9	13.3	11.1	11.4	8.3	8.4	13.6	13.9	11.9	12.2	9	9.1
10'	8.5	8.7	7.5	7.7	6.5	6.7	10.4	10.6	9	9.3	6.9	7	11.5	11.7	10.1	10.4	7.8	8

STANDARD 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		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'	9.9	9.6	7.5	5.9	6.7	3.5	2.6	2.5	2.2	1.7	1.9	0.8	1.2	1.2	1	0.9	0.8	0.5
2'	38.7	40.4	25.9	27.8	21.7	18.2	7.2	7.5	5.7	5.5	4.7	2.8	3.1	3.1	2.5	2.4	1.9	1.5
3'	47.1	48.1	33.1	33.5	25	25.5	17.2	18	12.8	13.9	9.6	8.1	7.1	7.1	5.5	5.7	3.9	3.7
4'	38.9	40.1	28.9	29	22.3	22.1	21.2	21.4	16.2	16.6	11.1	11.3	12.4	12.6	9.7	10.1	6.5	7
5'	28.9	29.7	22.3	22.7	17.5	17.5	20	20.6	16	16.1	10.9	11	14.4	14.8	11.8	11.8	7.9	8.3
6'	20.7	21.3	16.6	16.9	13.3	13.5	17.3	17.8	14.1	14.3	9.9	9.8	14.2	14.6	11.8	12	8.3	8.4
7'	14.9	15.2	12.3	12.6	10	10.3	14.3	14.7	11.8	12.1	8.5	8.4	13	13.3	10.9	11.3	8	7.9
8'	10.8	11.1	9.2	9.4	7.7	7.9	11.5	11.8	9.7	10	7.1	7.1	11.3	11.6	9.7	10	7.2	7.3
9'	8	8.2	6.9	7.1	5.9	6.1	9.2	9.5	7.9	8.1	5.9	6	9.7	9.9	8.5	8.7	6.4	6.5
10'	6.1	6.2	5.3	5.5	4.6	4.8	7.4	7.6	6.4	6.6	4.9	5	8.2	8.3	7.2	7.4	5.6	5.7

NOTE

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

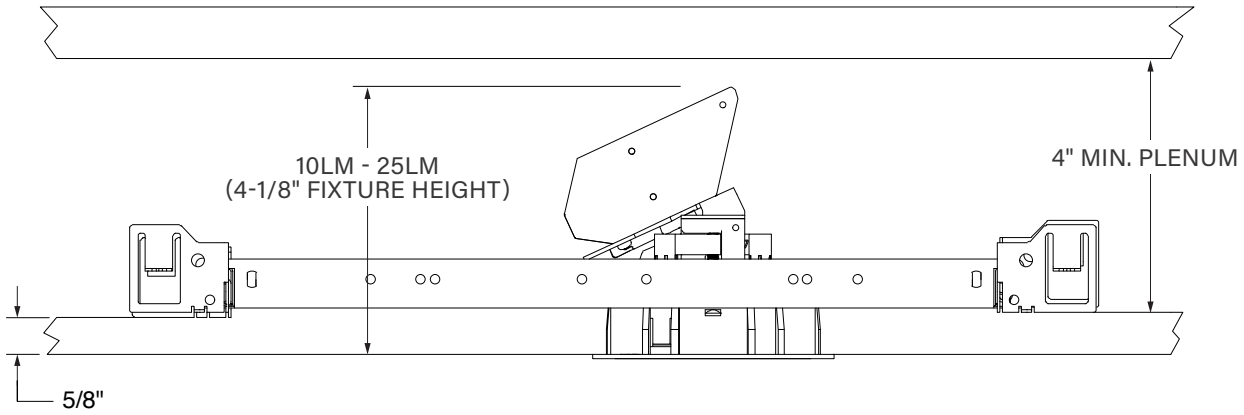
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

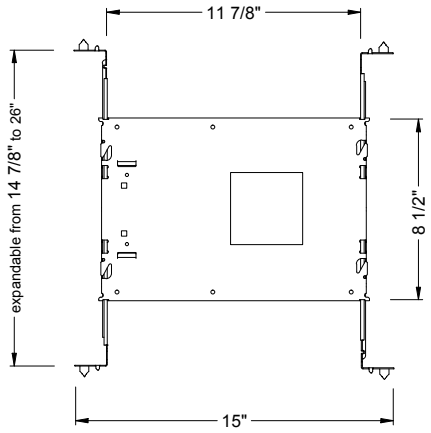
RATINGS / CERTIFICATIONS	NC	RET	IC
TYPE NON-IC	✔	✔	
TYPE IC			✔
CHICAGO PLENUM (CCEA)			
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔

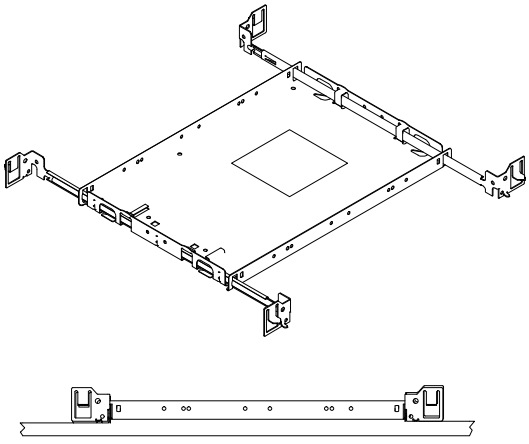
MOUNTING TYPE	STANDARD CEILING THICKNESS	STANDARD CEILING CUTOUT
TRIM	1/8" to 1-1/4"	3-1/4" square
TRIMLESS	3/8" to 1-1/4"	3-1/2" square
MILLWORK (TRIMLESS)	5/8" to 1-1/4"	3-9/32" square

PLENUM HEIGHT



NEW CONSTRUCTION - NC



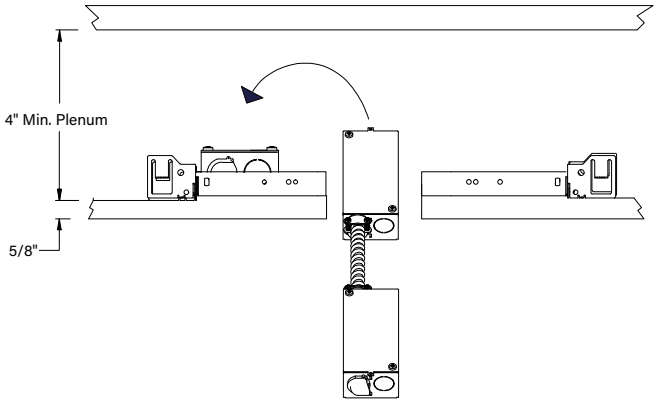


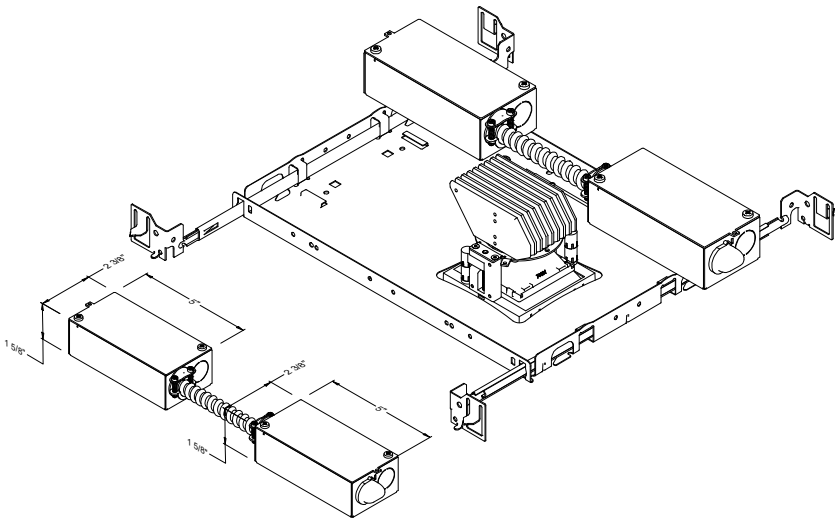
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

10LM - 25LM (DIM10 / BDIM10 / ELV1) - FLOATING
(BELOW CEILING ACCESSIBLE)

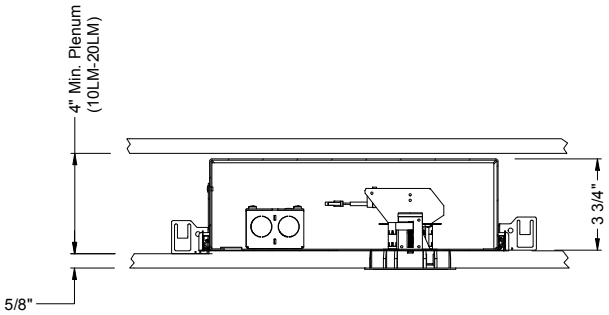


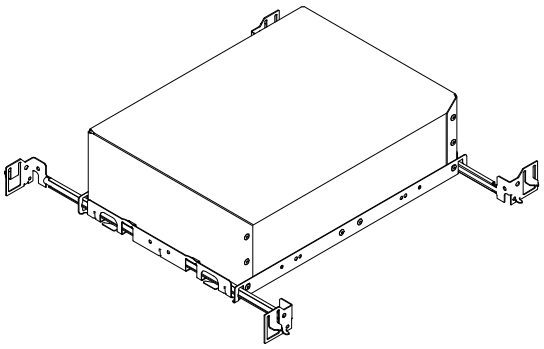


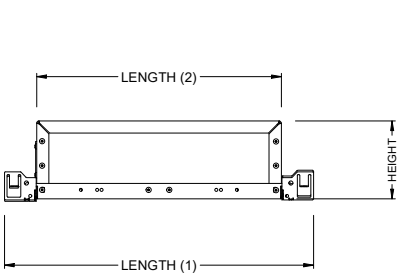
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

IC - INSULATION CONTACT
(DIM10 / BDIM10 / ELV1 / ND)







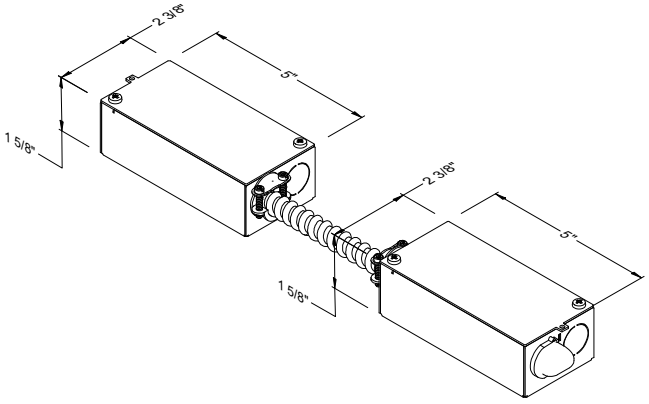
BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	3 - 3/4"

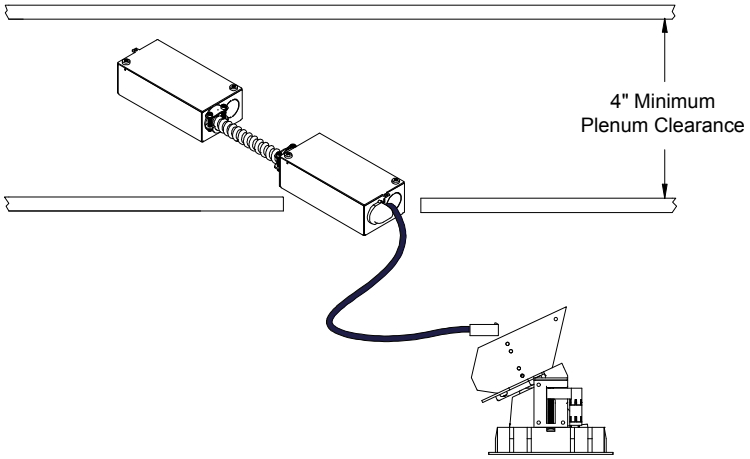
BOX TYPE / LUMEN OUTPUT - STANDARD BEAM (WW)	
LUMEN OUTPUT	BOX-A
	IC
10LM	✔
15LM	✔
20LM	✔
25LM	

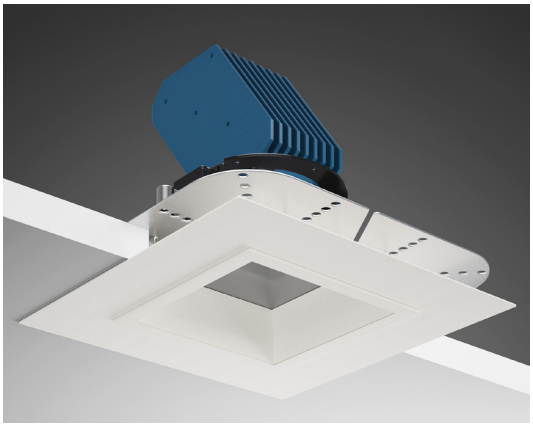
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

RETRO OPTIONS

10LM - 25LM (DIM10 / BDIM10 / ELV1)







NU3 SERIES - Goof Ring, Square

PRODUCT	SQUARE CEILING HOLE CUTOUT RANGE[1]	GOOF RING SIZE	ORDERING CODE
NU3-QD NU3-QW	3.38" to 3.88"	AF = 6.0" x 6.0"	GF-3Q-1-XX[2]
NU3-QD NU3-QA NU3-QW	3.89" to 4.5"	AF = 6.0" x 6.0"	GF-3Q-2-XX[3]
NU3-QD NU3-QA NU3-QW	4.51" to 5.0"	AF = 6.0" x 6.0"	GF-3Q-3-XX[3]
NU3-QD NU3-QA NU3-QW	5.01" to 5.5"	AF = 7.0" x 7.0"	GF-3Q-4-XX[3]
NU3-QD NU3-QA NU3-QW	5.51" to 6.0"	AF = 7.0" x 7.0"	GF-3Q-5-XX[3]

1. Choose the appropriate range only if your ceiling cutout measurement falls within that range.
   Example: - If your ceiling cutout is 4.75" inches, choose the range 4.51" to 5.0".
   - If your ceiling cutout is 5.5" inches, choose the range 5.01" to 5.5".
2. Upper goof ring not included.
3. Upper goof ring included.

*XX - Indicates finish color. Only available in WH or BK. Complete ordering code by adding WH or BK to ordering code.
Example: GF-3Q-1-WH
*Accommodates max ceiling thickness up to 1 1/4" for QD, QA and up to 5/8" for QW.

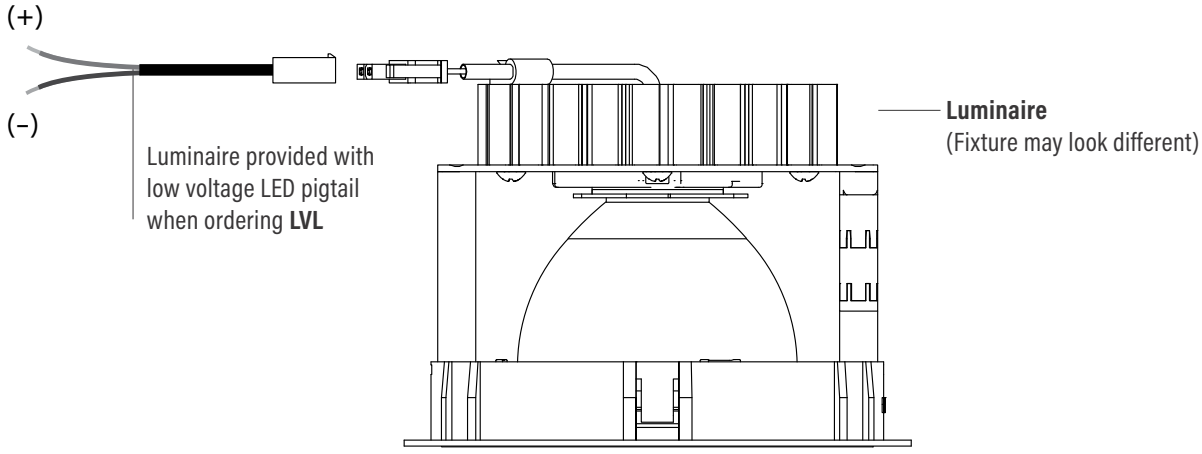
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

LOW VOLTAGE OPTIONS

WW BEAM (Note: Specifications are subject to change without notice)			
14mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	1080LM @30K/90CRI	300mA	11W
15LM	1510LM @30K/90CRI	425mA	15.5W
20LM	2080LM @30K/90CRI	600mA	22W
25LM	2550LM @30K/90CRI	750mA	27W
Notes	Delivered lumens based on wall wash optic, (see page 2)		

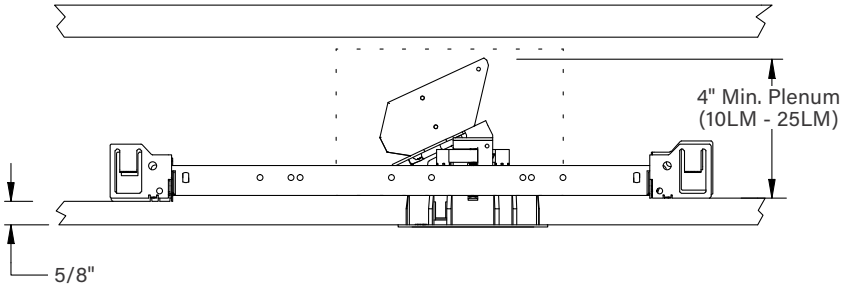
NOMINAL LED VOLTAGE: 36VDC

Customer to order CC Remote Driver separately or POE Node by others.

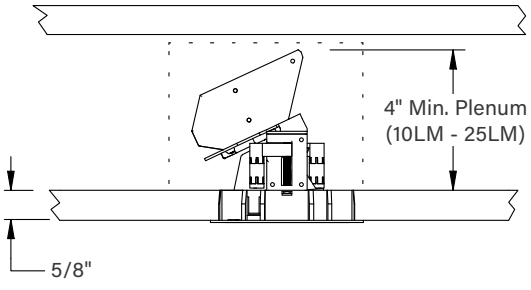


PLENUM HEIGHT

(NC-LVL-ND) NEW CONSTRUCTION REMOTE DX PANEL



(RET-LVL-ND) REMOTE DX PANEL RETRO



**Ref. DX panel specification sheet for remote driver options.*

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

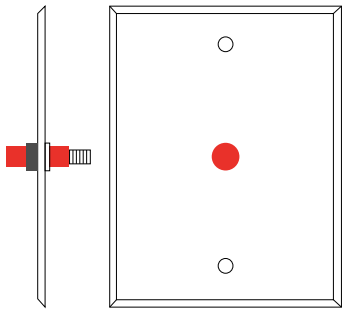
The Remote Test Switch may be mounted adjacent to the LED Fixture by others.

EMERGENCY BATTERY ACCESS

Above ceiling access is required 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

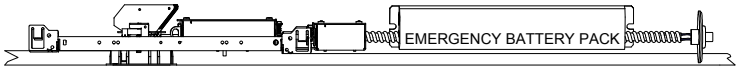
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



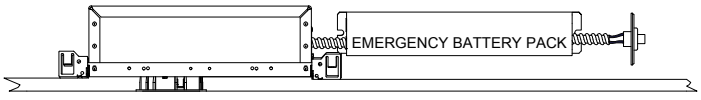
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 25LM)	750LM	1010LM	1200LM
Notes: Based on 30K, 90CRI			

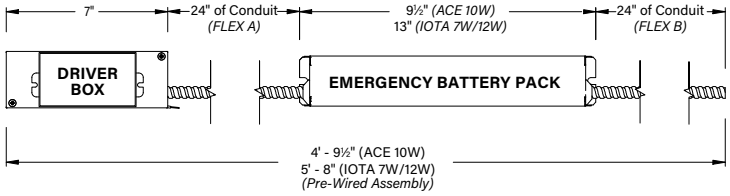
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



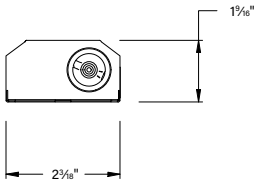
IC - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



REMOTE BATTERY DIMENSIONS



EMERGENCY BATTERY PACK



DRIVER BOX

