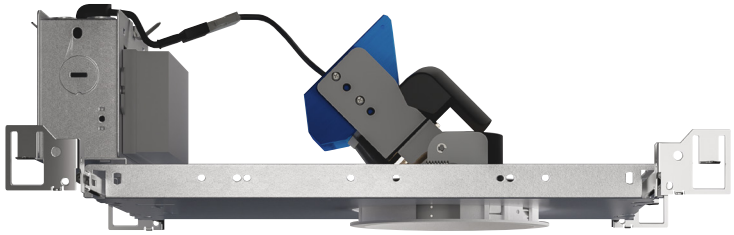
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU4

4" Toolless Round Adjustable Warm Dim

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



30° -100° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1150LM @30K/90CRI	18W
15LM	1560LM @30K/90CRI	24W
20LM	2080LM @30K/90CRI	33W
Notes	Delivered lumens based on 40D optic with SBLA lens, (see page 2)	

20° BEAM (Note: Specifications are subject to change without notice)		
9mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1020LM @30K/90CRI	15W
15LM	1500LM @30K/90CRI	23W
Notes	Delivered lumens based on 20D optic with SBLA lens, (see page 2)	

FEATURES

- True 45° Tilt with <15% beam disruption (clipping)
- Unlimited continuous 360° rotation
- Toolless operation (mounting, tilt, rotation)
- Concentric Tilt Tracking ensures minimal light loss
- Zero ceiling line obstruction at Full Tilt
- UGR <5
- Glare control, specialty optics, trim options, and custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

DIMMING AND CONTROLS

- eldoLED 0-10V, 0.1% and 1%
- BAA – BABA compliant, flicker free 0-10V dim to 1%
- eldoLED DALI, dim to 0.1% and 1%
- DMX-512/RDM dim to 0%
- Lutron Hi-Lume Ecosystem, dim to 0.1%
- Leading & trailing edge (Triac/ELV), dim to 1%
- Nlight control interface dim to 0%
- Wireless control options, dim to 1% (Ref. page 13)

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 Standard 1/8" to 1-1/4" and Thick Ceiling 1-1/4" to 1 7/8"
- **CUTOUT DIMENSION:**
  Trimmed - 4-3/8"
  Millwork - 4-3/8"
  Trimless - 4-1/2"

LED

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

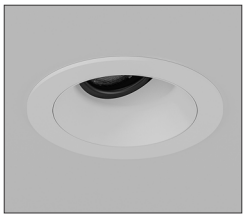
LISTING

- 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

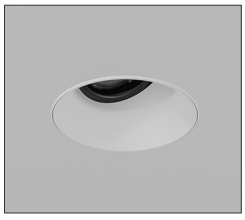
ELECTRICAL

- 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)
- Low Voltage Luminaire option, see page 12.

TRIM OPTIONS



Trimmed

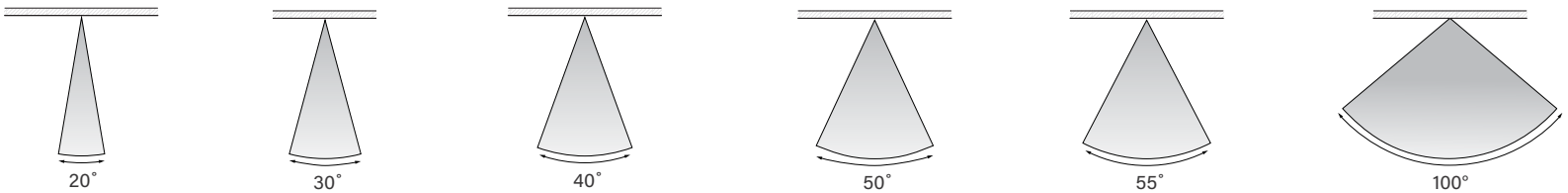


Trimless



Trimless Millwork

BEAM SPREADS



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE

SERIES	**NU4**	NU4	
TYPE	**TRA**	toolless round adjustable	
	TRAT	toolless round adjustable trimless	
	TRATMW	toolless round adjustable trimless millwork	
LED	**WD**	warm dim (Luminus)	
DELIVERED LUMENS	**10LM**	1150 lm	
	15LM	1560 lm	
	20LM	2080 lm	
	Standard Configuration: 3000K 90CRI 40D, **SBLA** **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier] x [Lens Multiplier]		
CCT	**2718**	2700K, dim to 1800K	
	3018	3000K, dim to 1800K	
	3020	3000K, dim to 2000K	

CCT at Light Level (%LF)

%LF	2718	3018	3020
100%	2710	3050	3050
50%	2670	2990	3000
25%	2570	2850	2850
10%	2090	2200	2240
5%	1880	1880	1980

CRI	**90**	90 CRI	
OPTIC & LM MULTIPLIER	**20D**[1,2]	20 degrees	(1.00)
	30D[2]	30 degrees	(0.93)
	40D[2]	40 degrees	(1.00)
	50D	50 degrees	(0.99)
	55D	55 degrees	(0.96)
ACCESSORY	**NA**	no accessory	(1.06)
	EA	elliptical lens	(0.71)
	HCL	honeycomb louver	(0.78)
	HETA	high efficiency textured lens, similar to Solite™	(0.96)
	SBLA	smoothing beam lens	(1.00)
	Attached to **TIR** optic, field replaceable (maximum, 1 media)		
BEZEL LENS	**NL**[3]	no lens	(1.06)
	CL	clear lens	(0.99)
	DL	diffused lens	(0.97)
	HET	high efficiency textured lens, similar to Solite™	(0.98)
	SBL	smoothing beam lens	(0.98)
	WDL	wide diffused lens*	(0.92)
	*Wide diffusing lens achieves beams ≥ 90° Ref. page 3		
TRIM COLOR	**BK**	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	WT	wheat	
	CC[4]	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)
	WT	wheat	(0.99)
	CC[4]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

ORDERING CODE

MOUNTING OPTIONS	**NC**	new construction plate
	IC[5]	insulation contact housing
	ICAT[5]	insulation contact/airtight housing
	CP[5]	chicago plenum housing
	RET	retrofit, no ceiling plate
VOLTAGE	**120**	120V
	UNV	120V-277V
	LVL[6]	low voltage luminaire
DIMMING	**DIM10**	eldoLED flicker free 0-10V dim to 1%
	BDIM10[7]	BAA – BABA compliant, flicker free 0-10V dim to 1%
	DIM10Z	eldoLED flicker free 0-10V dim 0.1%
	DALI	eldoLED flicker free DALI-2 dim to 1%
	DALIZ	eldoLED flicker free DALI-2 dim to 0.1%
	LUTP[8]	Lutron Hi-Lume Eco (fade) dim to 0.1%
	ELV1[9]	leading edge & trailing edge (Triac/ELV) dim to 1%
	DMX-RJ45	DMX control dimming to 0.1% with RJ45 connection
	DMX-WL	DMX-512/RDM dim to 0% with lead wire input
	DMX-XLR	DMX-512/RDM dim to 0% with XLR input
	NLT	nLight control interface: Cat-5/RJ45, dim to off
	ND	No Driver Included. Customer to supply PoE system components or order remote driver separately. Refer to PoE/Remote Driver reference sheet for additional details.
	WIRELESS	(ref. page 13 for available options)
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
SPECIAL	**TC**	1-1/4" to 1-7/8" ceiling thickness

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU4 - TRA - WD - 20LM - 3018 - 90 - 50D - NA - CL - WH - WH - NC - UNV - DIM10Z

NOTES

1. 20D available in 10LM/15LM.
2. 20D/30D/40D includes SBLA accessory lens as standard. Not available with NA/HCL.
3. NL option does not meet requirement for AT/DF/WET/NSF listings.
4. Custom set up fee plus minimum quantity required per color.
5. IC/ICAT/CP not available in 20LM.
6. Must select ND dimming code, for remote driver or POE specifications see page 9.
7. BDIM10 available in 10LM/15LM.
8. LUTP available in 10LM.
9. ELV1 available in 120V.

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

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

OPTICAL OPTIONS

- Corrected UGR values generated per CIE 190-2010 at the following reference condition:
  Room dimensions: X = 4H, Y = 8H
  Reflectances: 70/50/20
- UGR calculation based on 15LM fixtures, unless otherwise noted.

HCL-NL
Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
20D	20	<10
30D	29	<10
40D	37	<10
50D	44	<10
55D	49	<10

EA-NL
Elliptical Lens



OPTIC	BEAM ANGLE	UGR
30D	40x55	10x11
40D	44x57	11x14
50D	49x61	12x14
55D	54x64	13x15

HETA-NL
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
20D	22	<10
30D	33	<10
40D	40	<10
50D	47	11
55D	54	11

EA-NL
Elliptical Lens



OPTIC	BEAM ANGLE	UGR
30D	40x55	10x11
40D	44x57	11x14
50D	49x61	12x14
55D	54x64	13x15

NA-NL
No Lens



OPTIC	BEAM ANGLE	UGR
20D	20	<10
30D	31	12
40D	40	13
50D	48	14
55D	56	14

SBLA-NL
Smoothing Beam Lens



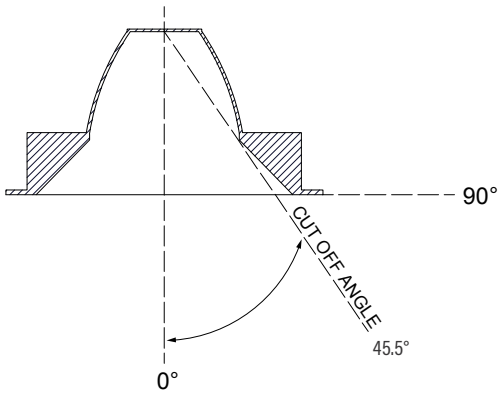
OPTIC	BEAM ANGLE	UGR
20D	21	<10
30D	32	<10
40D	41	<10
50D	49	<10
55D	56	<10

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 is 45.5° degrees;



PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

OPTICAL OPTIONS

- Corrected UGR values generated per CIE 190-2010 at the following reference condition:
  Room dimensions: X = 4H, Y = 8H
  Reflectances: 70/50/20
- UGR calculation based on 15LM fixtures, unless otherwise noted.

NA-CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
20D	20	<10
30D	31	12
40D	40	14
50D	49	14
55D	56	14

NA-DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
30D	44	16
40D	49	17
50D	55	18
55D	61	19

NA-HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
20D	24	11
30D	32	13
40D	40	14
50D	47	14
55D	54	14

NA-SBL
Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
20D	21	<10
30D	32	13
40D	40	14
50D	48	14
55D	55	14

NA-NL
No Lens



OPTIC	BEAM ANGLE	UGR
20D	20	<10
30D	31	12
40D	40	13
50D	48	14
55D	56	14

NA-WDL
Wide Diffused Lens



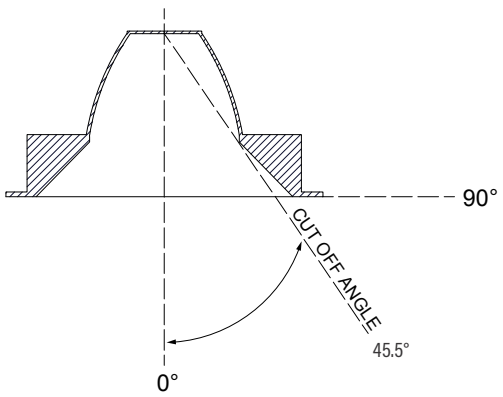
OPTIC	BEAM ANGLE	UGR
30D	88	22
40D	93	23
50D	98	24
55D	103	25

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 is 45.5° degrees;



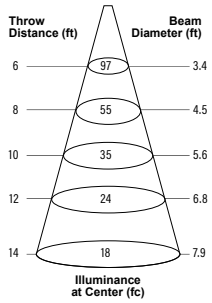
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

10LM

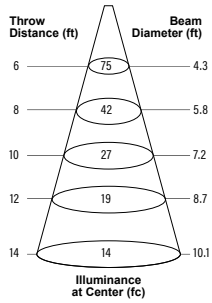
30D 31° WITH SBLA LENS



WATTS: 17.6	LPW: 61.3
LUMENS: 1078	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3487
5	3423
15	1903
25	397
35	53
45	7

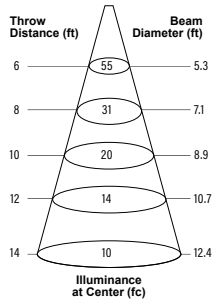
40D 40° WITH SBLA LENS



WATTS: 17.6	LPW: 65.5
LUMENS: 1153	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2710
5	2635
15	1982
25	653
35	74
45	6

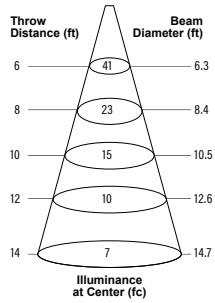
50D 49° WITH SBLA LENS



WATTS: 17.6	LPW: 65.2
LUMENS: 1148	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1985
5	1956
15	1697
25	879
35	119
45	8

55D 55° WITH SBLA LENS

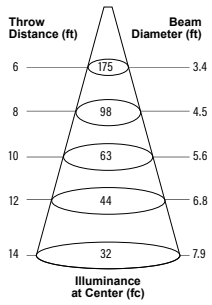


WATTS: 17.6	LPW: 63.1
LUMENS: 1110	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1445
5	1443
15	1357
25	908
35	249
45	15

20LM

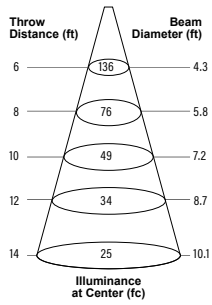
30D 31° WITH SBLA LENS



WATTS: 32.8	LPW: 59.2
LUMENS: 1942	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	6279
5	6163
15	3427
25	715
35	95
45	12

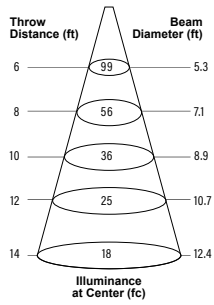
40D 40° WITH SBLA LENS



WATTS: 32.8	LPW: 63.3
LUMENS: 2076	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	4879
5	4744
15	3570
25	1176
35	134
45	11

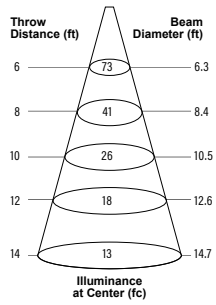
50D 49° WITH SBLA LENS



WATTS: 32.8	LPW: 63
LUMENS: 2067	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3574
5	3521
15	3055
25	1583
35	215
45	14

55D 55° WITH SBLA LENS



WATTS: 32.8	LPW: 60.9
LUMENS: 1998	CCT: 3000K

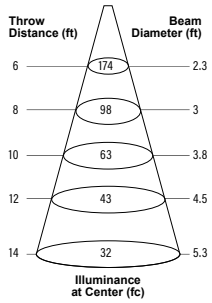
INTENSITY	
DEGREE	CANDELA
0	2602
5	2598
15	2443
25	1634
35	449
45	28

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

10LM

20D
21° WITH SBLA LENS

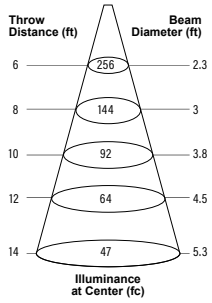


WATTS: 14.8	LPW: 68.7
LUMENS: 1017	CCT: 3500K

INTENSITY	
DEGREE	CANDELA
0	6240
5	5555
15	1490
25	186
35	28
45	2

15LM

20D
21° WITH SBLA LENS



WATTS: 22.6	LPW: 66.2
LUMENS: 1497	CCT: 3500K

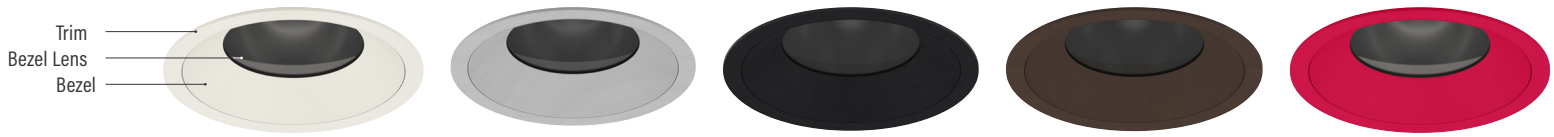
INTENSITY	
DEGREE	CANDELA
0	9185
5	8177
15	2193
25	274
35	41
45	3

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

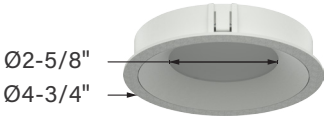
TRIM OPTIONS

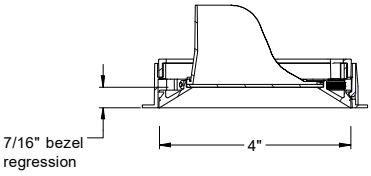
TRIM/BEZEL COLORS



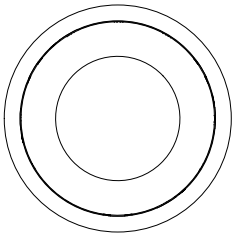
WH MC BK BZ CC

TRIMMED





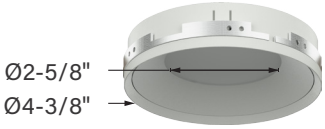
aperture dimensions

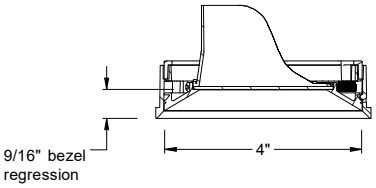


ceiling cutout
4-3/8" diameter

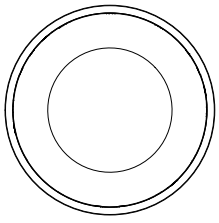
ceiling thickness
1/8" to 1-1/4"

MILLWORK





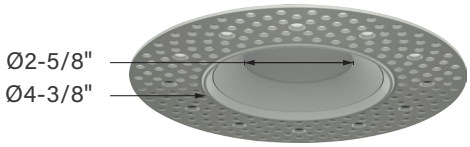
aperture dimensions

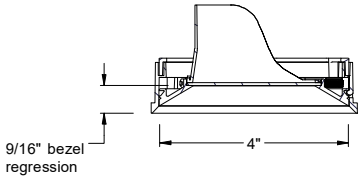


ceiling cutout
4-3/8" diameter

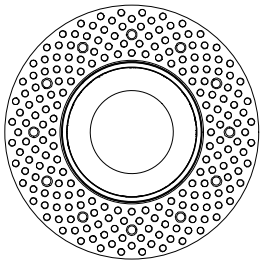
ceiling thickness
1/2" to 1-1/4"

TRIMLESS





aperture dimensions



ceiling cutout
4-1/2" diameter

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

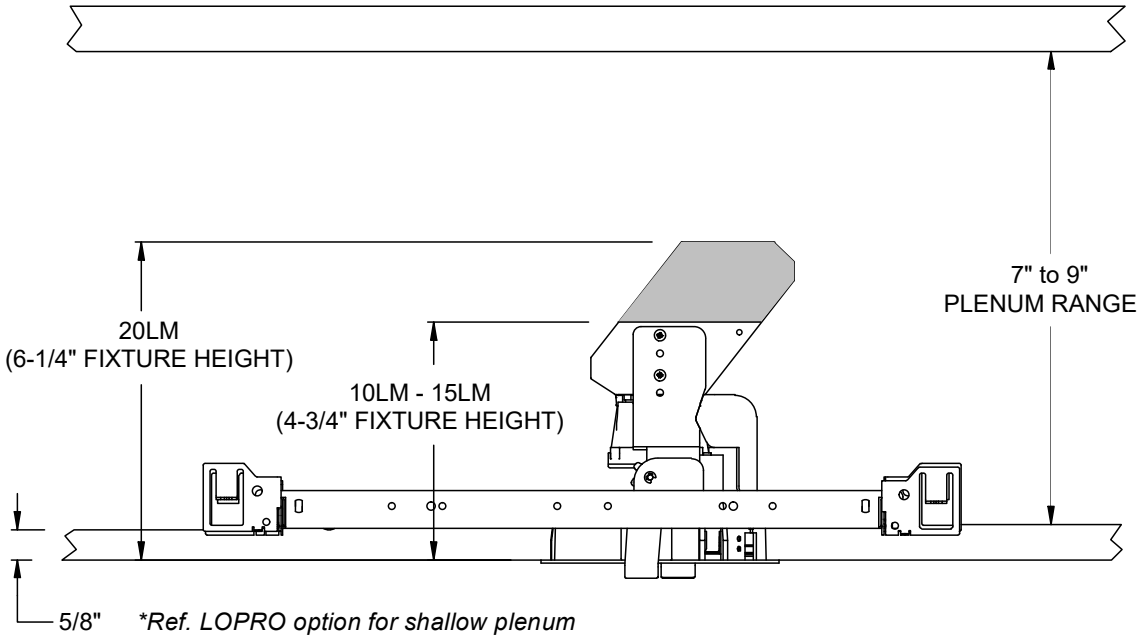
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

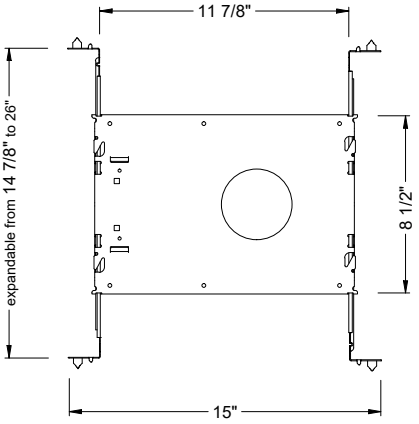
RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✔	✔			
TYPE IC			✔	✔	
CHICAGO PLENUM (CCEA)					✔
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔	✔	✔

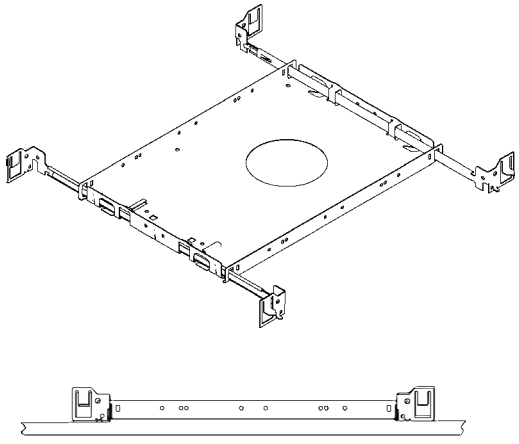
MOUNTING TYPE	STANDARD CEILING THICKNESS	THICK CEILING THICKNESS
TRIM	1/8" to 1-1/4"	1-1/4" to 1 7/8"
TRIMLESS	3/8" to 1-1/4"	1-1/4" to 1 7/8"
MILLWORK (TRIMLESS)	1/2" to 1-1/4"	1-1/4" to 1 7/8"

PLENUM HEIGHT



NEW CONSTRUCTION - NC



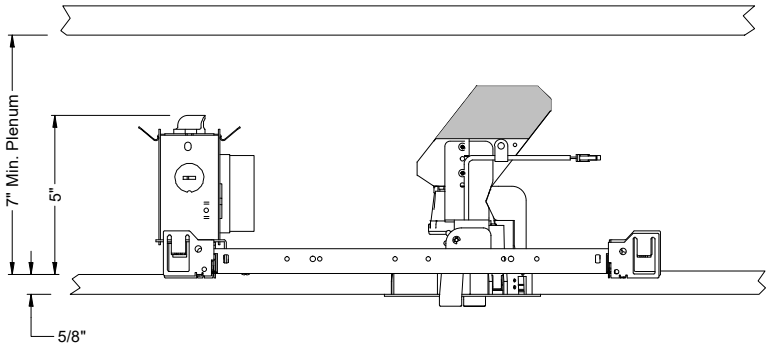


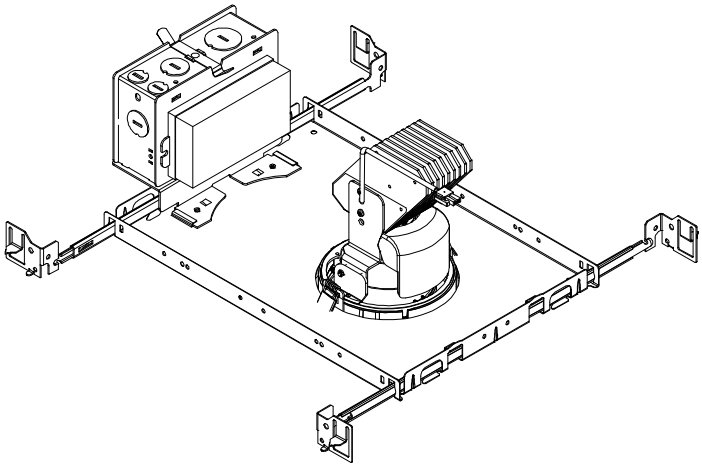
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

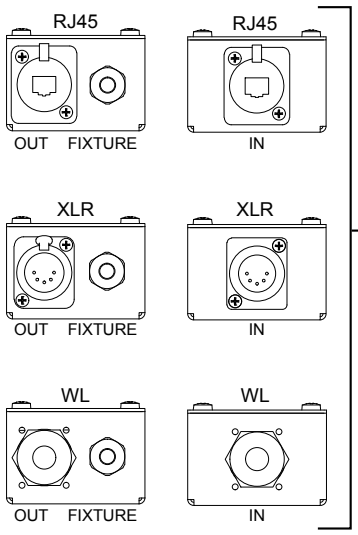
MOUNTING OPTIONS

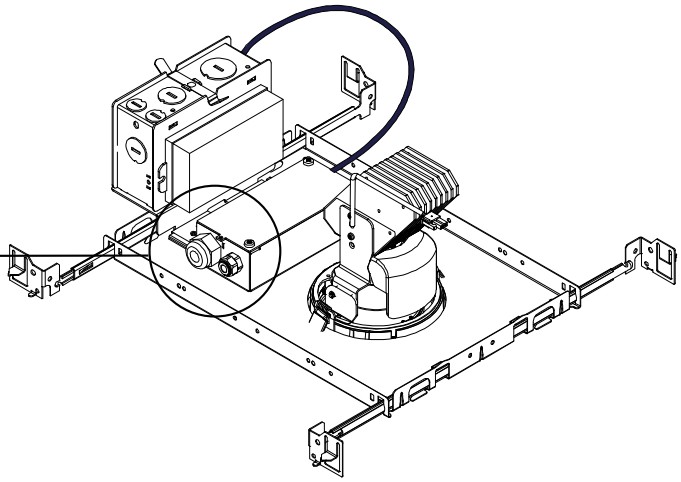
10LM - 20LM (DIM10 / BDIM10 / DIM10Z / DALI / DALIZ / ELV1 / LUTP)
(BELOW CEILING ACCESSIBLE)



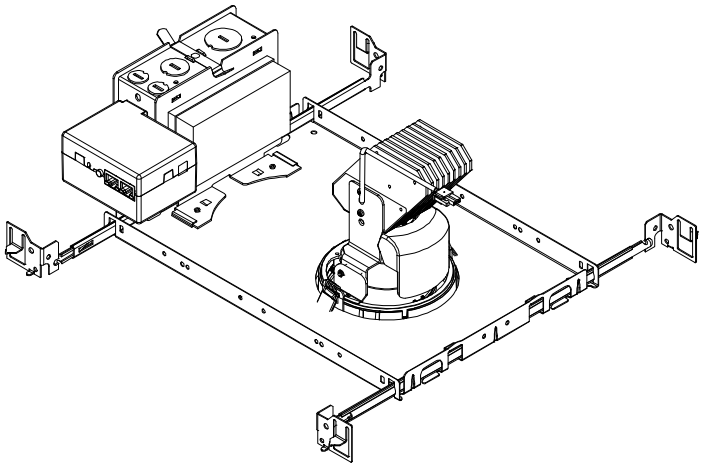


10LM - 20LM (DMXZ)





10LM-30LM (NLT)
(ABOVE CEILING ACCESS REQUIRED)

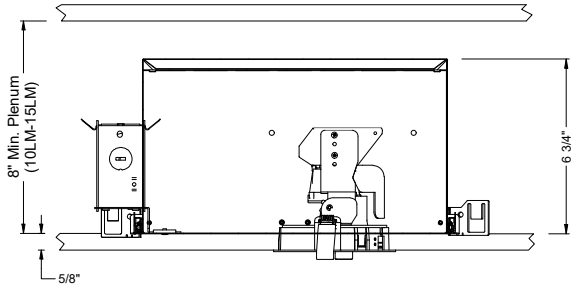


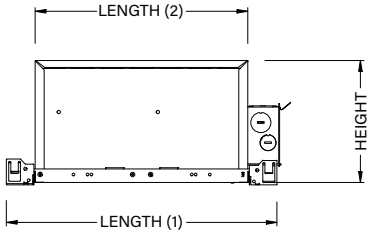
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

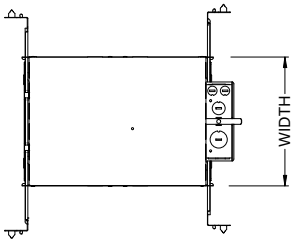
MOUNTING OPTIONS

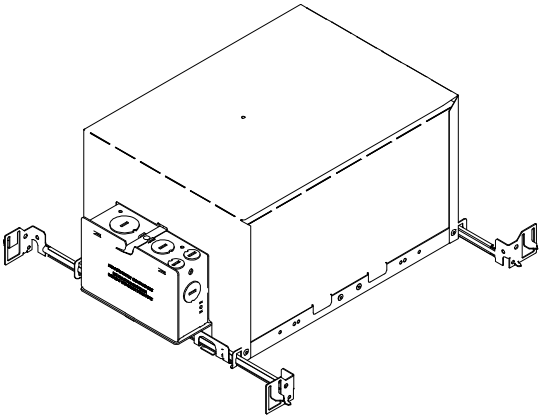
IC - INSULATION CONTACT | ICAT - INSULATION CONTACT / AIR TIGHT | CP - CHICAGO PLENUM

(DIM10 / BDIM10 / DIM10Z / DALI / DALIZ / LUTP / ELV1 / ND)









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 - NARROW BEAM (9°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
10LM			

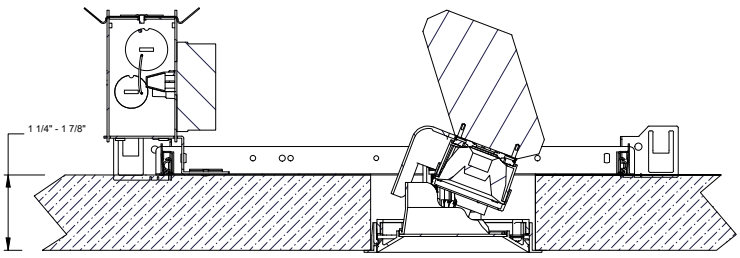
BOX TYPE / LUMEN OUTPUT - NARROW BEAM (15°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
10LM	✔	✔	✔
15LM	✔	✔	✔

BOX TYPE / LUMEN OUTPUT - STANDARD BEAM (25°-55°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
10LM	✔	✔	✔
15LM	✔	✔	✔
20LM			

SPRAY FOAM R60 RATED	
LUMEN OUTPUT	BOX-A
10LM	
15LM	

TC - THICK CEILING (1" TO 2") APPLICATION

TRIM/TRIMLESS

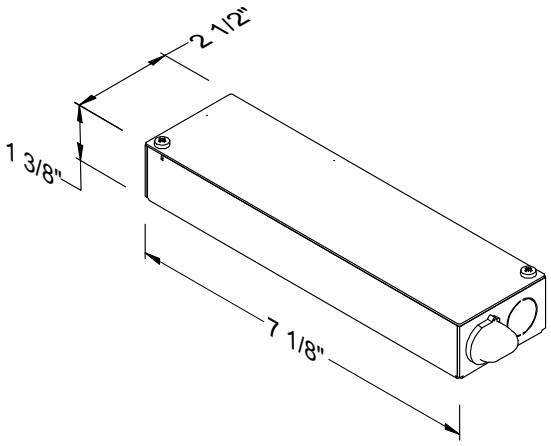


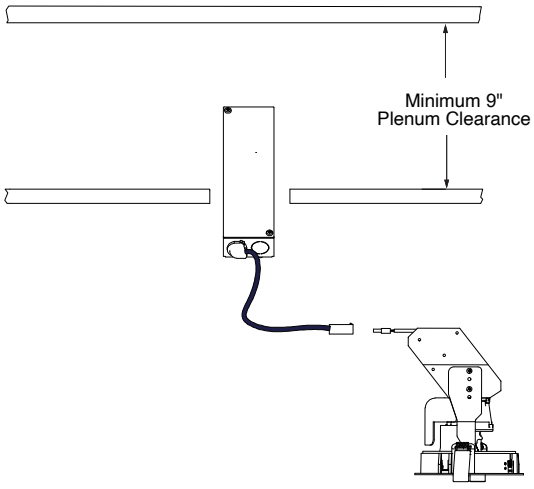
THICK CEILING FIXTURE INFO		
TILT	ROTATION	CEILING THICKNESS
0° - 25°	360°	UP TO 1 7/8"
25° - 35°	160°	UP TO 1 7/8"
35° - 45°	160°	UP TO 1 5/8"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

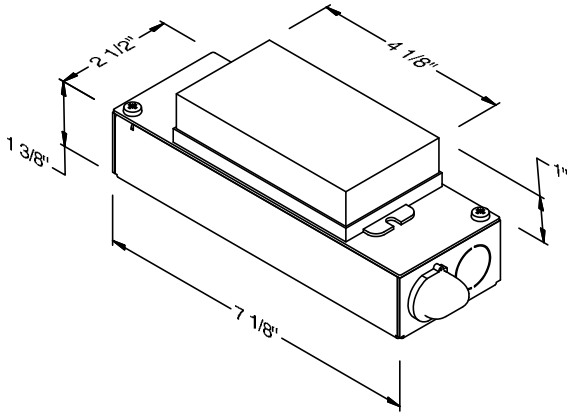
RETRO OPTIONS

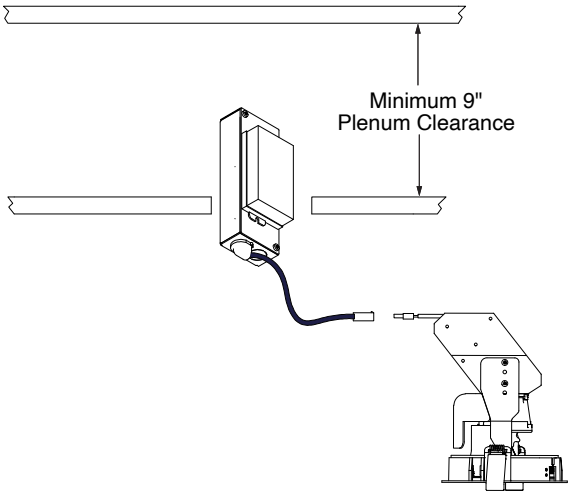
10LM - 20LM (ELV1 / LUTP / BDIM10)

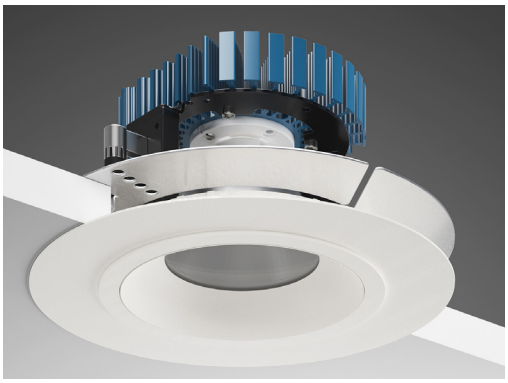




10LM - 20LM (DIM10 / DIM10Z / DALI / DALIZ)







NU4 SERIES - Goof Ring, Round

PRODUCT	ROUND CEILING HOLE CUTOUT RANGE[1]	GOOF RING SIZE	ORDERING CODE
NU4-RD NU4-RA NU4-RW	4.38" to 4.88"	OD = 7.0"	GF-4R-1-XX[2]
	4.89" to 5.5"		GF-4R-2-XX[3]
	5.51" to 6.0"		GF-4R-3-XX[3]
	6.01" to 6.5"	OD = 8.0"	GF-4R-4-XX[3]
	6.51" to 7.0"		GF-4R-5-XX[3]

1. Choose the appropriate range only if your ceiling cutout measurement falls within that range.
   Example: - If your ceiling cutout is 5.75" inches, choose the range 5.51" to 6.0".
   - If your ceiling cutout is 6.5" inches, choose the range 6.01" to 6.5".
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-4R-1-WH
*Accommodates max ceiling thickness up to 1 1/4".

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			

LOW VOLTAGE OPTIONS

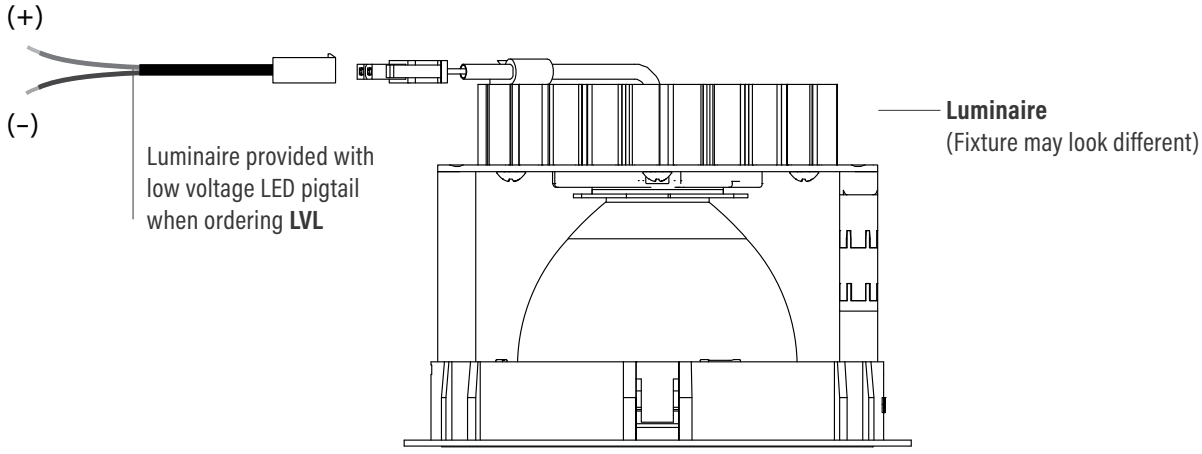
20° - 100° BEAM (Note: Specifications are subject to change without notice)			
9mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	980LM @30K/90CRI	200mA	7.5W
15LM	1500LM @30K/90CRI	325mA	12W
20LM	2030LM @30K/90CRI	450mA	16.5W
25LM	2510LM @30K/90CRI	575mA	21W
30LM	3080LM @30K/90CRI	750mA	27W
Notes	Delivered lumens based on 30D optic with no lens, (see page 2)		

15° BEAM (Note: Specifications are subject to change without notice)			
6mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	1040LM @30K/90CRI	250mA	10W
15LM	1600LM @30K/90CRI	400mA	15W
Notes	Delivered lumens based on 15D optic with no lens (see page 2)		

10° BEAM (Note: Specifications are subject to change without notice)			
4.5mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	760LM @30K/90CRI	225mA	8.5W
Notes	Delivered lumens based on 10D optic with no lens (see page 2)		

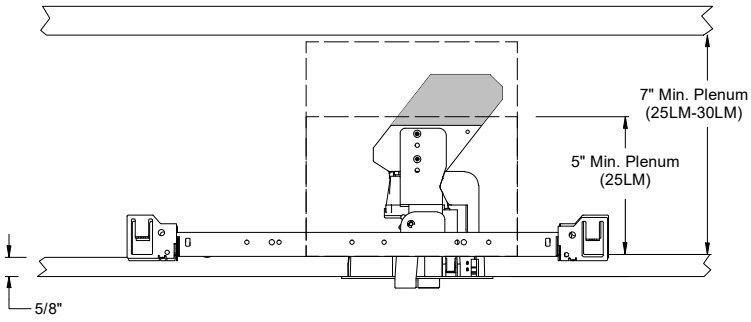
NOMINAL LED VOLTAGE: 36VDC

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

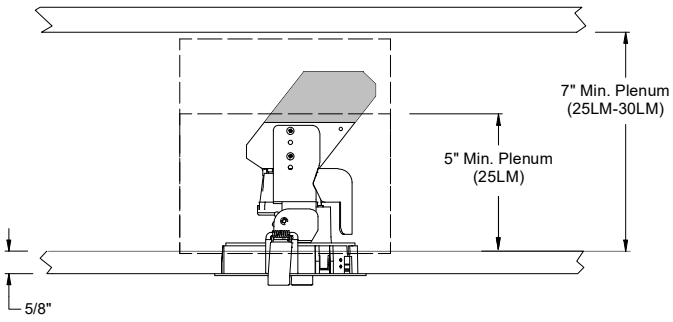


PLENUM HEIGHT

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



(RET-LVL-ND) REMOTE DX PANEL RETRO



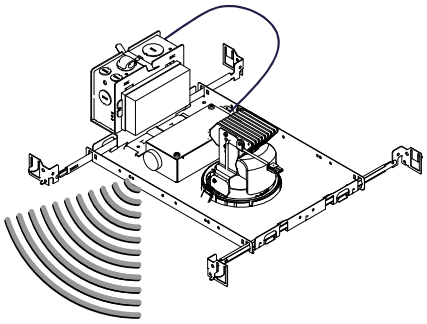
**Ref. DX panel specification sheet for remote driver options.*

alphabet

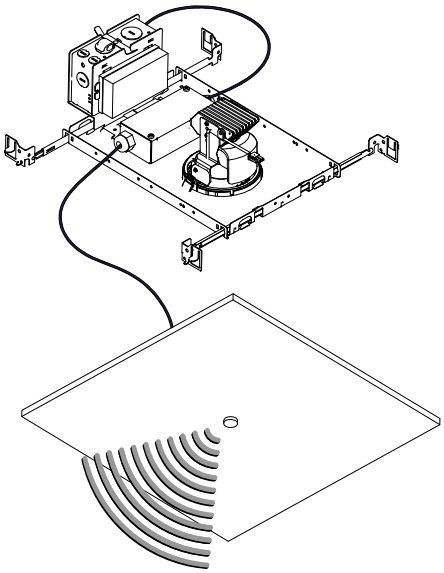
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WIRELESS OPTIONS

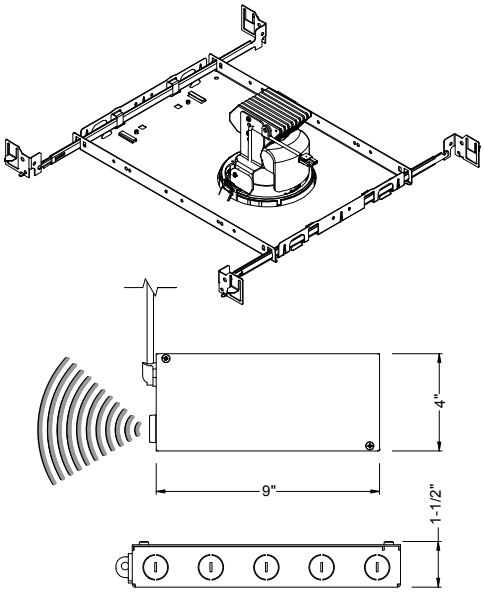
NC - NEW CONSTRUCTION
PLENUM SIDE



NC - NEW CONSTRUCTION
R CEILING SIDE

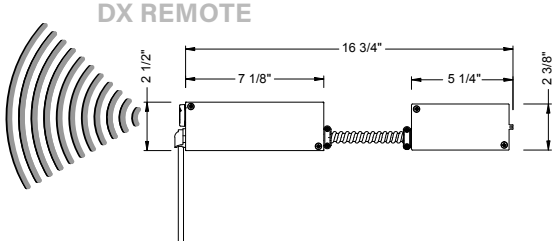


NC - NEW CONSTRUCTION
DX REMOTE



Customer must verify system design and installation with their controls provider (e.g., Lutron).
Wireless signal strength, reliability, performance, and commissioning are the responsibility of the customer. Remote DX can power LEDs up to 330FT (18 AWG), but adequate wireless signal is customers responsibility.

RET - RETRO 10LM - 20LM
DX REMOTE

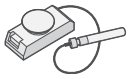


YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU4 - TRA - WD - 20LM - 30K - 90 - 50D - NL - WH - WH - NC - UNV - AWN
NU4 - TRA - WD - 20LM - 30K - 90 - 50D - NL - WH - WH - NC - LVL - AWN - DX

nLIGHT

ORDERING CODE

NLTA . . . . . nlight air wireless device (0-10V Driver) - integrated / above ceiling
NLTA-DX . . . nlight air wireless device (0-10V Driver) - remote DX Compact Driver



MODEL NUMBER

nlight air model #: RIO-ZT-180D-G2

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off

LUTRON Athena

ORDERING CODE

AWN . . . . . athena wireless node (0-10V Driver) - integrated / above ceiling
AWN-DX . . . athena wireless node (0-10V Driver) - remote DX Compact Driver
AWND . . . . . athena wireless node (DALI2 Driver) - integrated / above ceiling
AWND-DX . . athena wireless node (DALI2 Driver) - remote DX Compact Driver
AWND-R . . . athena wireless OCC Sensor / 4FT lead (DALI2 Driver) - ceiling installation



MODEL NUMBER

athena node model #: A-WN-D01-RF
athena OCC model #: A-WN-D01-OCC-WH

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off
(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off

legrand WATTSTOPPER® PLUS

ORDERING CODE

CLM . . . . . connected lighting module (0-10V Driver) - integrated / above ceiling
CLM-DX . . . . connected lighting module (0-10V Driver) - remote DX Compact Driver
CLMD . . . . . connected lighting module (DALI2 Driver) - integrated / above ceiling
SENSI-R . . . SensiLUM sensor / 4FT lead (DALI2 Driver) - ceiling installation



MODEL NUMBER

CLM model #: ZBHA-CLM-DIM
SensiLUM sensor model #: EN-CLM-PIR-DD-ZB

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off
(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off

CASAMBI

ORDERING CODE

CAS . . . . . Casambi wireless controller (0-10V Driver) - integrated / above ceiling
CAS-DX . . . . Casambi wireless controller (0-10V Driver) - remote DX Compact Driver



MODEL NUMBER

Casambi model #: CBU-ARP-LR

POWER SUPPLY

(0-10V Driver): ELDOled 0-10V Optotronic LED driver with Aux Power, Dim-to-off

101562

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

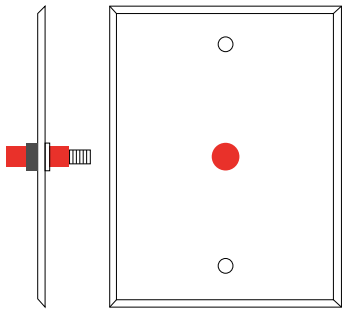
BATTERY OPTIONS

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 for service. An access panel in the ceiling (or other form of access) adjacent to the installation location of the Emergency Battery is required.

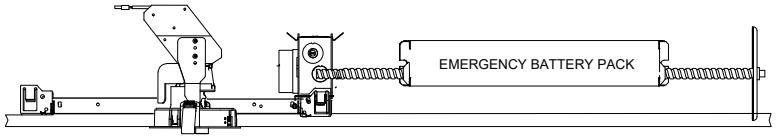
REMOTE LOCATION
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



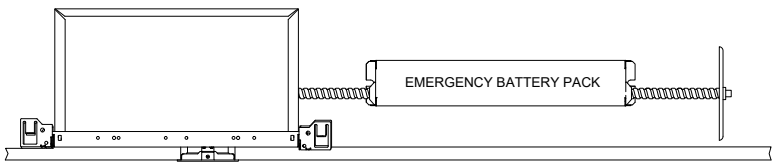
Remote Test Switch

EM MODE OUTPUT (DELIVERED LUMENS)			
LUMEN ORDERING CODE	EM7	EM10	EM12
ALL OPTIONS (10LM TO 30LM)	850LM	1250LM	1450LM
Notes: Based on 3000K, 90CRI			

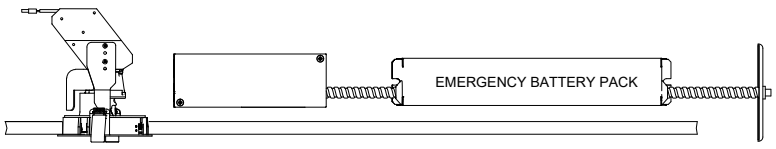
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



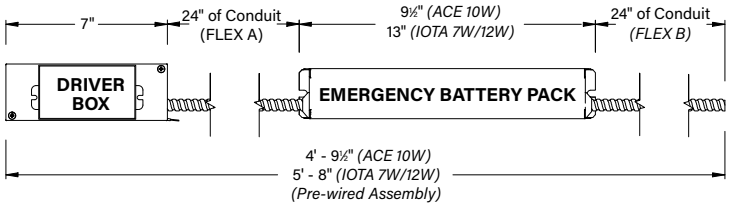
IC / ICAT / CP - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



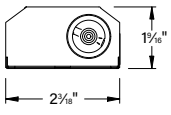
RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



REMOTE BATTERY DIMENSIONS



EMERGENCY BATTERY PACK



DRIVER BOX

