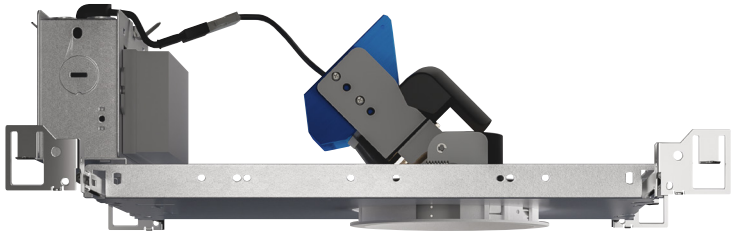
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU4

4" Toolless Round Adjustable Standard White

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



20° - 100° BEAM (Note: Specifications are subject to change without notice)		
9mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	980LM @30K/90CRI	10W
15LM	1500LM @30K/90CRI	15W
20LM	2030LM @30K/90CRI	20W
25LM	2510LM @30K/90CRI	26W
30LM	3080LM @30K/90CRI	34W
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	SYSTEM WATTAGE
10LM	1040LM @30K/90CRI	12W
15LM	1600LM @30K/90CRI	19W
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	SYSTEM WATTAGE
10LM	760LM @30K/90CRI	11W
Notes	Delivered lumens based on 10D optic with no 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, dim to 0.1% and 1%
- BAA - BABA compliant, 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 14)

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

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

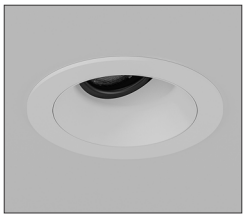
LISTING

- 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

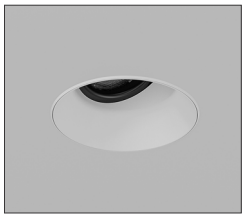
ELECTRICAL

- 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)
- Low Voltage Luminaire option (Ref. page 13)

TRIM OPTIONS



Trimmed

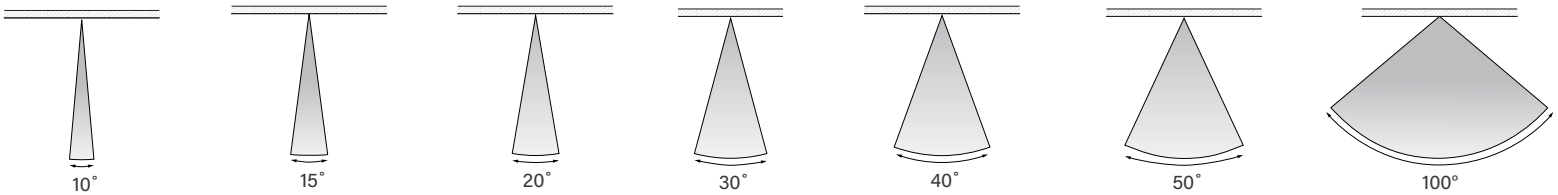


Trimless



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	**SW**	standard white
DELIVERED LUMENS	**10LM**	980 lm
	15LM	1500 lm
	20LM	2030 lm
	25LM	2510 lm
	30LM	3080 lm
	Standard Configuration: 3000K 90CRI 30D **NL**	
	Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Optic Multiplier] x [Accessory Multiplier] x [Lens Multiplier] x [Bezel Multiplier]	
CCT	**22K**	2200K
	24K	2400K

CCT	2200K	2400K
CRI	90+	90+
CCT MULTIPLIER FOR LUMEN OUTPUT	0.71	0.77

27K	2700K	
30K	3000K	
35K	3500K	
40K	4000K	

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

CRI	**90**	90 CRI	
OPTIC & LM MULTIPLIER	**10D**[1]	10 degrees	(1.00)
	15D[1]	15 degrees	(1.00)
	20D	20 degrees	(0.95)
	30D	30 degrees	(1.00)
	40D	40 degrees	(0.98)
	50D	50 degrees	(0.95)
ACCESSORY	**NA**	no accessory	(1.00)
	EA[2]	elliptical lens	(0.70)
	HCL	honeycomb louver	(0.75)
	HETA	high efficiency textured lens, similar to Solite™	(0.89)
	Attached to **TIR** optic, field replaceable (maximum, 1 media)		
BEZEL LENS	**NL**[3]	no lens	(1.00)
	CL	clear lens	(0.94)
	DL	diffused lens	(0.93)
	HET	high efficiency textured lens, similar to Solite™	(0.94)
	SBL	smoothing beam lens	(0.94)
	WDL	wide diffused lens*	(0.89)
	*Wide diffusing lens achieves beams ≥ 90° Ref. page 4		
TRIM COLOR	**BK**	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	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)
	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 to 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 EcoSystem, 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 14 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
	Product feature limitations, see page 7.	

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU4 - TRA - SW - 20LM - 30K - 90 - 20D - NA - NL - WH - WH - NC - UNV - DIM10 - EM7

NOTES

1. 10D available in 10LM and 15D available in 10LM/15LM. Note: DL/E/WDL lenses increase angle by 25%.
2. Actual beam distributions [20D= 35° x 50° , 30D= 40° x 55° , 40D= 45° x 60° , 50D= 50° x 65°]
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 22K & 24K for 25LM or 10D/10LM or 30LM.
6. Must select ND dimming code, for remote driver or POE specifications, ref. page 13.
7. BDIM10 not available in 25LM/30LM.
8. LUTP not available in 25LM/30LM.
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
10D	8	<10
15D	14	<10
20D	21	<10
30D	29	<10
40D	39	<10
50D	46	<10

* 10D UGR calculation based on 10LM fixture

NA-NL
No Lens



OPTIC	BEAM ANGLE	UGR
10D	11	<10
15D	15	<10
20D	22	<10
30D	31	<10
40D	42	<10
50D	**51**	**<10**

* 10D UGR calculation based on 10LM fixture

HETA-NL
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
10D	15	<10
15D	19	<10
20D	25	<10
30D	32	<10
40D	41	<10
50D	50	<10

* 10D UGR calculation based on 10LM fixture

EA-NL
Elliptical Lens



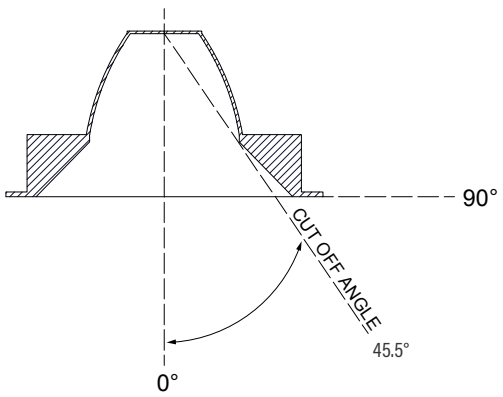
OPTIC	BEAM ANGLE	UGR
20D	37x51	10x11
30D	41x57	10x11
40D	46x61	10x11
50D	53x66	10x12

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;



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			

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
10D	11	<10
15D	15	<10
20D	22	<10
30D	31	11
40D	42	12
50D	51	13

NA-DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
20D	35	12
30D	39	12
40D	46	14
50D	54	16

NA-HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
10D	16	<10
15D	19	<10
20D	25	13
30D	32	12
40D	41	14
50D	50	15

NA-SBL
Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
10D	12	<10
15D	15	<10
20D	22	12
30D	31	12
40D	42	13
50D	50	13

NA-NL
No Lens



OPTIC	BEAM ANGLE	UGR
10D	11	<10
15D	15	<10
20D	22	<10
30D	31	<10
40D	42	<10
50D	51	<10

* 10D UGR calculation based on 10LM fixture

NA-WDL
Wide Diffused Lens



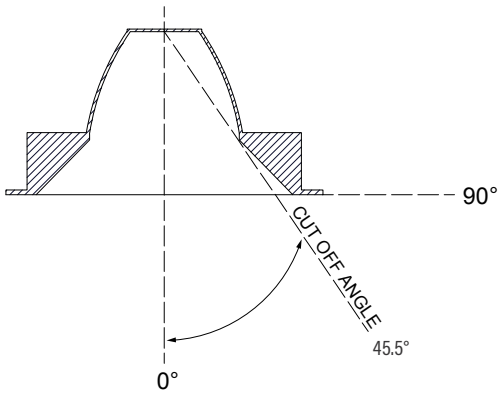
OPTIC	BEAM ANGLE	UGR
20D	80	20
30D	84	21
40D	90	22
50D	97	24

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;



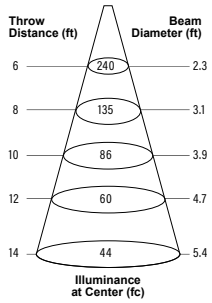
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

15LM CCT MULTIPLIERS	
	90CRI
2700K	0.96
3000K	1
3500K	1.01
4000K	1.02
FC Formula = CBCP / Distance	

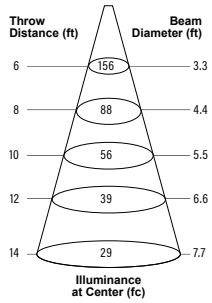
20D 22° WITH NO LENS



WATTS: 15.2	LPW: 93.9
LUMENS: 1427	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	8586
5	7923
15	2081
25	238
35	30
45	1

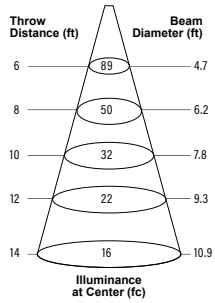
30D 31° WITH NO LENS



WATTS: 15.2	LPW: 99
LUMENS: 1505	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	5604
5	5320
15	2941
25	373
35	35
45	1

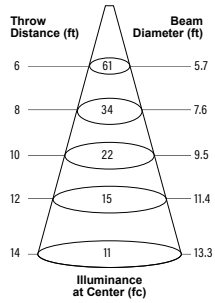
40D 42° WITH NO LENS



WATTS: 15.2	LPW: 96.8
LUMENS: 1471	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	3160
5	3173
15	2704
25	801
35	60
45	2

50D 51° WITH NO LENS

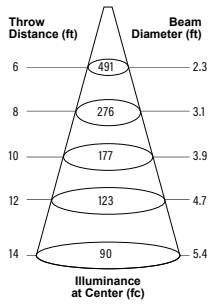


WATTS: 15.2	LPW: 95.1
LUMENS: 1446	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2189
5	2180
15	2056
25	1145
35	191
45	5

30LM CCT MULTIPLIERS	
	90CRI
2700K	0.96
3000K	1
3500K	1.01
4000K	1.02
FC Formula = CBCP / Distance	

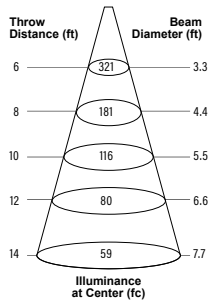
20D 22° WITH NO LENS



WATTS: 33.9	LPW: 86.3
LUMENS: 2927	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	17609
5	16250
15	4269
25	487
35	61
45	2

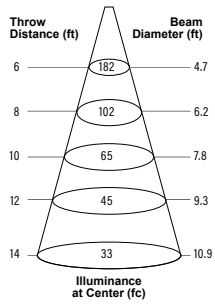
30D 31° WITH NO LENS



WATTS: 33.9	LPW: 91.1
LUMENS: 3087	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	11493
5	10912
15	6032
25	765
35	72
45	3

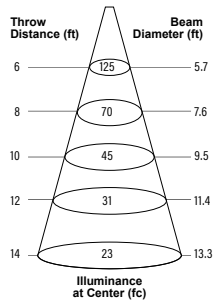
40D 42° WITH NO LENS



WATTS: 33.9	LPW: 89
LUMENS: 3017	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	6480
5	6508
15	5545
25	1643
35	123
45	4

50D 51° WITH NO LENS



WATTS: 33.9	LPW: 87.5
LUMENS: 2966	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	4489
5	4471
15	4216
25	2349
35	391
45	11

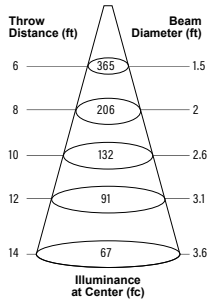
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PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

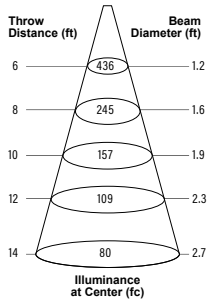
10LM CCT MULTIPLIERS	
	90CRI
2700K	0.96
3000K	1
3500K	1.01
4000K	1.02
FC Formula = CBCP / Distance	

15D
15° WITH NO LENS



WATTS: 12.5	LPW: 83.5
LUMENS: 1044	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	13154
5	9828
15	780
25	120
35	18
45	0

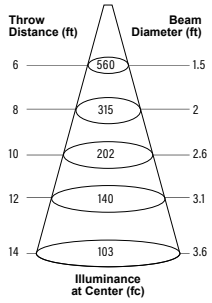
10D
11° WITH NO LENS



WATTS: 10.9	LPW: 69.7
LUMENS: 760	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	15634
5	9009
15	382
25	70
35	3
45	0

15LM CCT MULTIPLIERS	
	90CRI
2700K	0.96
3000K	1
3500K	1.01
4000K	1.02
FC Formula = CBCP / Distance	

15D
15° WITH NO LENS

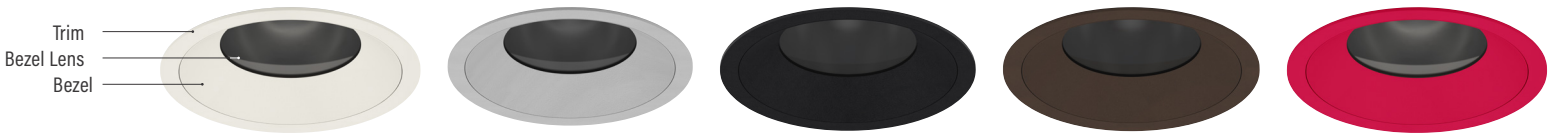


WATTS: 19.3	LPW: 82.9
LUMENS: 1600	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	20159
5	15062
15	1195
25	184
35	28
45	1

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

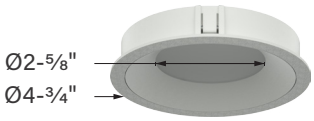
TRIM OPTIONS

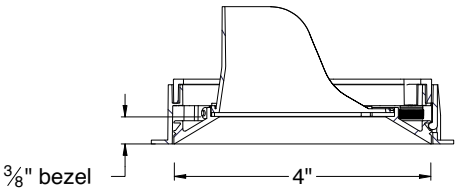
TRIM/BEZEL COLORS

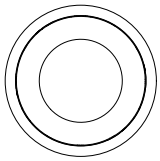


WH MC BK BZ CC

TRIMMED

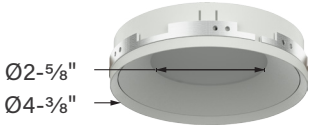


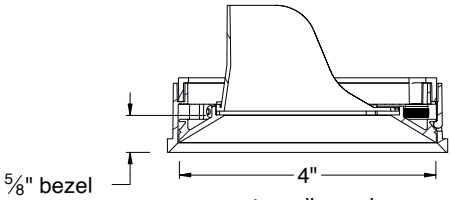


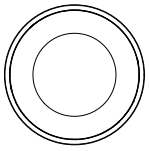


ceiling cutout
4 3⁄8" diameter
ceiling thickness
1⁄8" to 1 1⁄4"

MILLWORK

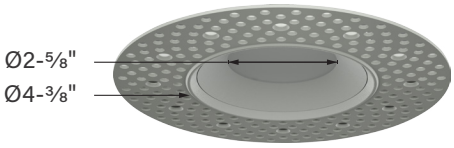


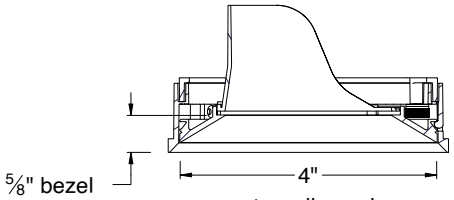


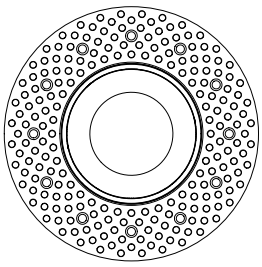


ceiling cutout
4 3⁄8" diameter
ceiling thickness
1⁄2" to 1 1⁄4"

TRIMLESS







ceiling cutout
4 1⁄2" diameter
ceiling thickness
3⁄8" to 1 1⁄4"

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"

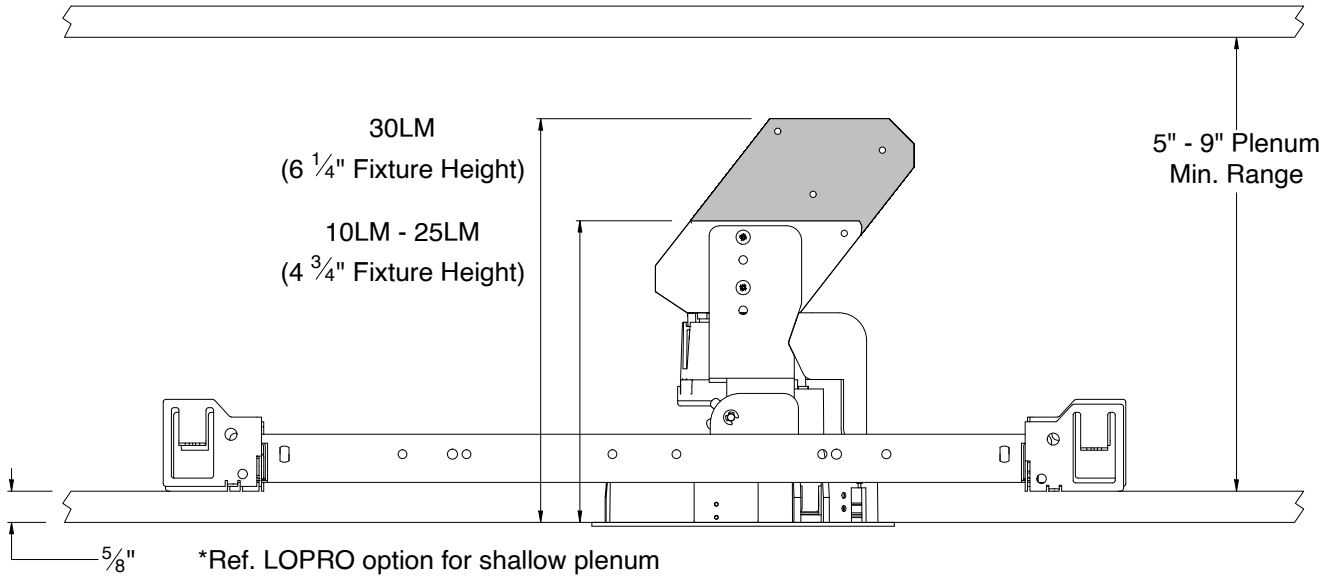
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

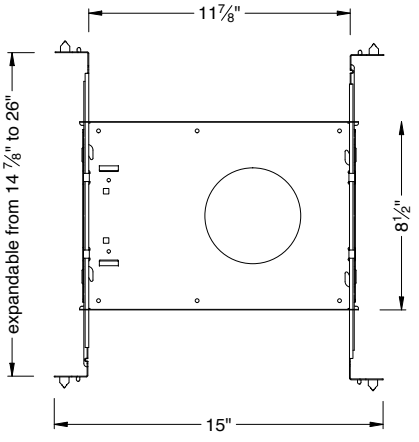
RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✔	✔			
TYPE IC			✔	✔	
CHICAGO PLENUM (CCEA)					✔
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔	✔	✔

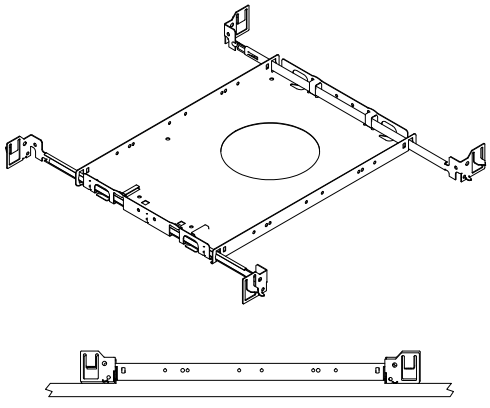
MOUNTING TYPE	STANDARD CEILING THICKNESS	THICK CEILING THICKNESS
TRIM	1/8" to 1-1/4"	1-1/4" to 1 7/8"
TRIMLESS	3/8" to 1-1/4"	1-1/4" to 1 7/8"
MILLWORK (TRIMLESS)	1/2" to 1-1/4"	1-1/4" to 1 7/8"

PLENUM HEIGHT



NEW CONSTRUCTION - NC



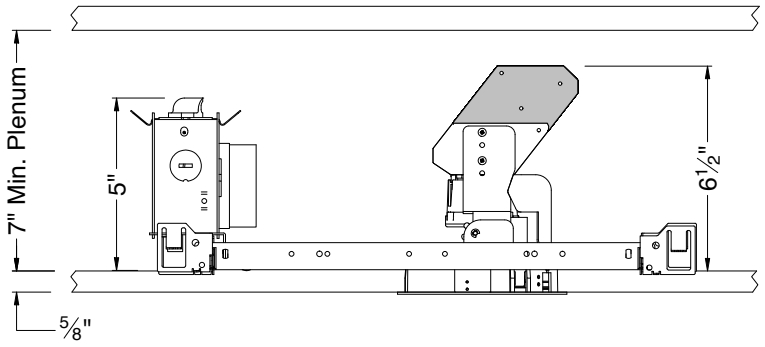


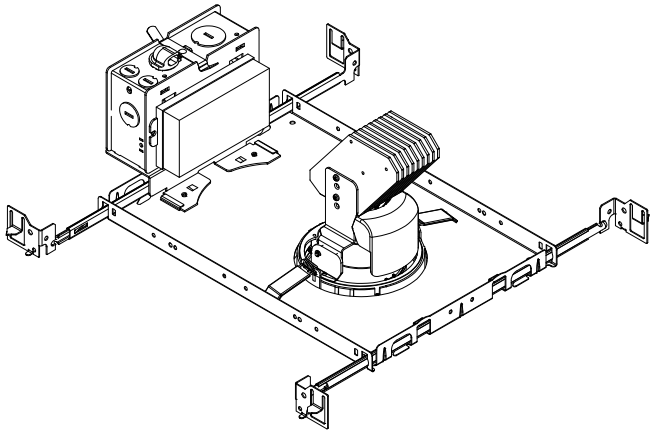
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

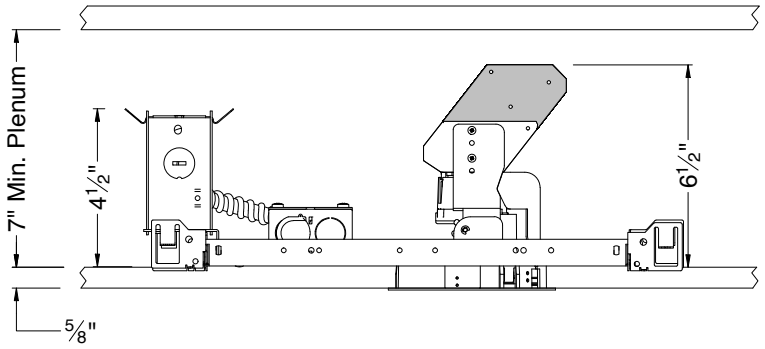
MOUNTING OPTIONS

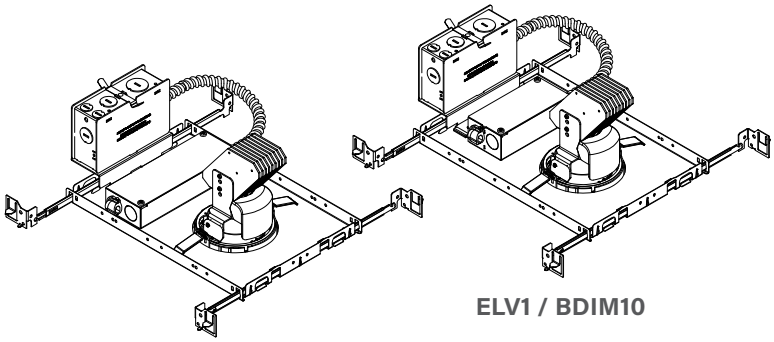
10LM - 30LM (DIM10 / DIM10Z / DALI / DALIZ)
(BELOW CEILING ACCESSIBLE)





10LM - 30LM (ELV1)
10LM - 20LM (BDIM10 / LUTP)
(BELOW CEILING ACCESSIBLE)





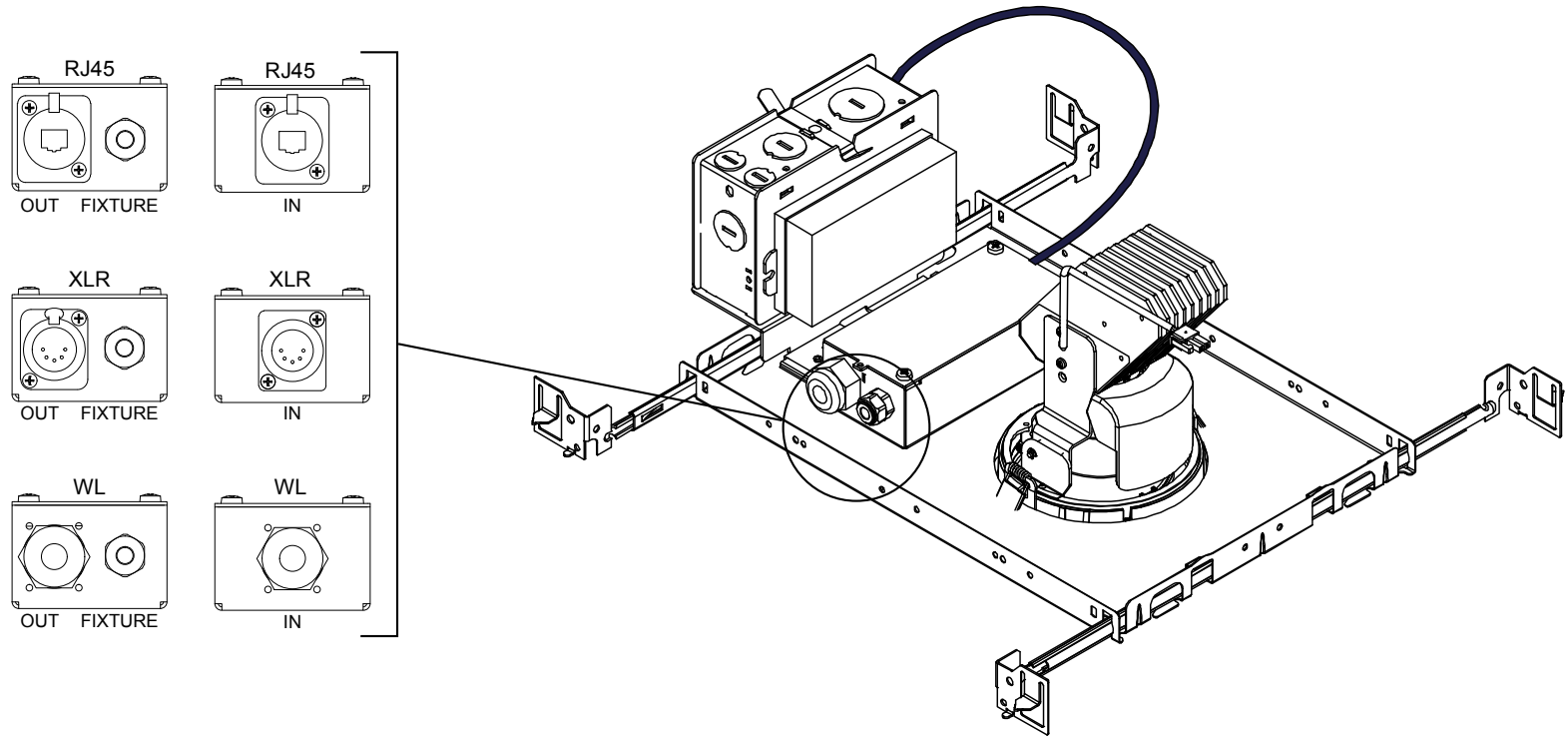
ELV1 / BDIM10

LUTP

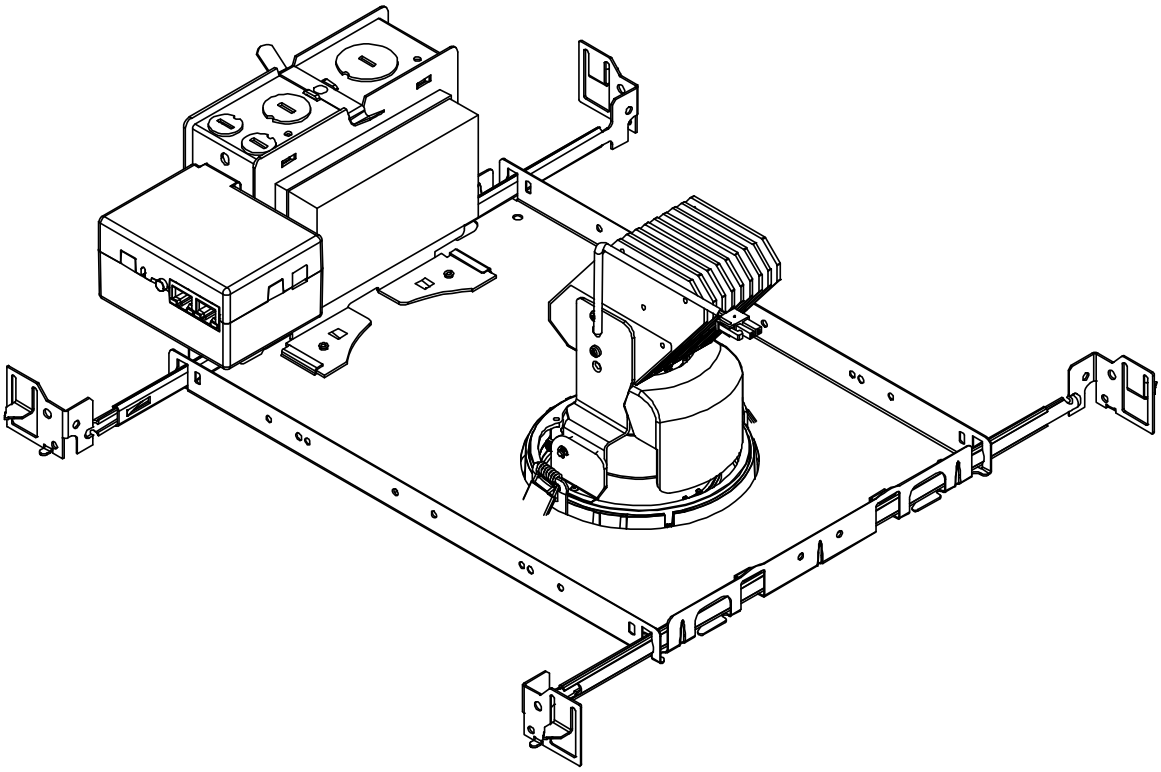
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

10LM - 30LM (DMXZ)
(BELOW CEILING ACCESSIBLE)



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

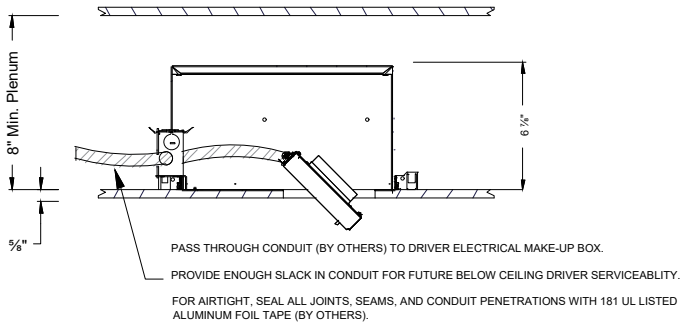


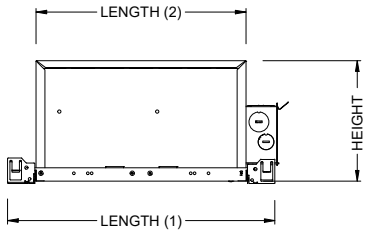
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

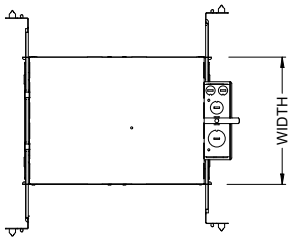
MOUNTING OPTIONS

IC - INSULATION CONTACT | ICAT - INSULATION CONTACT / AIR TIGHT | CP - CHICAGO PLENUM
(DIM10 / BDIM10 / DIM10Z / DALI / DALIZ / LUTP / ELV1 / ND)

(BELOW CEILING ACCESSIBLE)







BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"

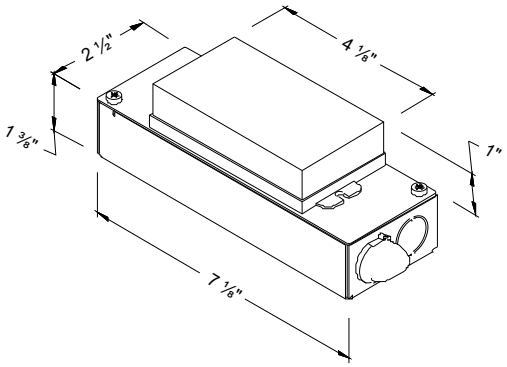
BOX TYPE / LUMEN OUTPUT - STANDARD BEAM (20° - 100°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
10LM	✔	✔	✔
15LM	✔	✔	✔
20LM	✔	✔	✔
25LM	✔	✔	✔
30LM			

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

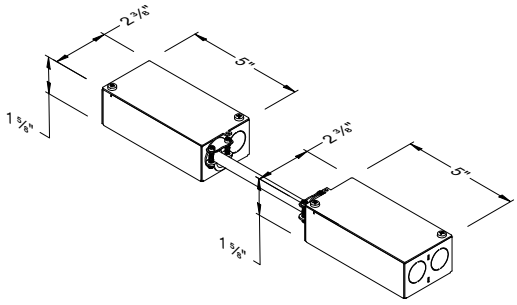
BOX TYPE / LUMEN OUTPUT - NARROW BEAM (10°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
10LM			

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

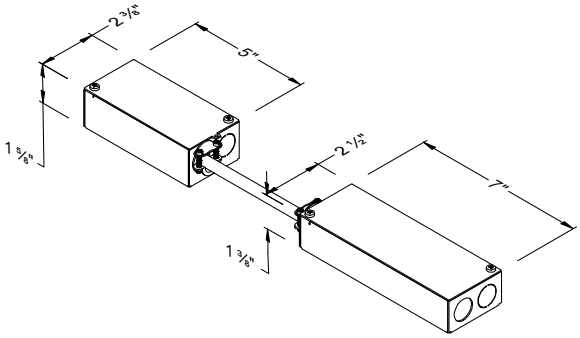
(DIM10 / DIM10Z / DALI / DALIZ)



(BDIM10 / ELV1)



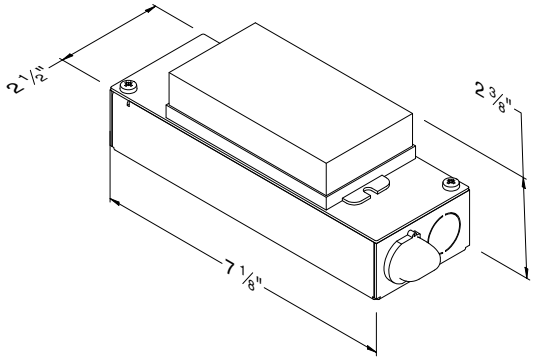
(LUTP)

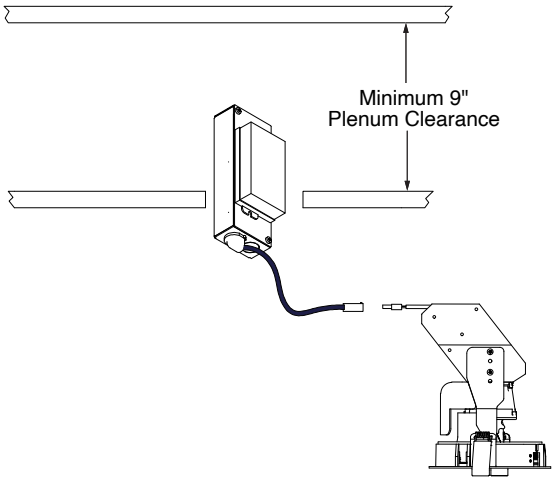


PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

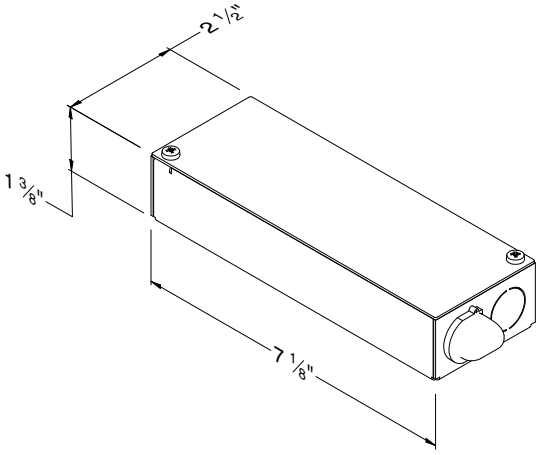
RETRO OPTIONS

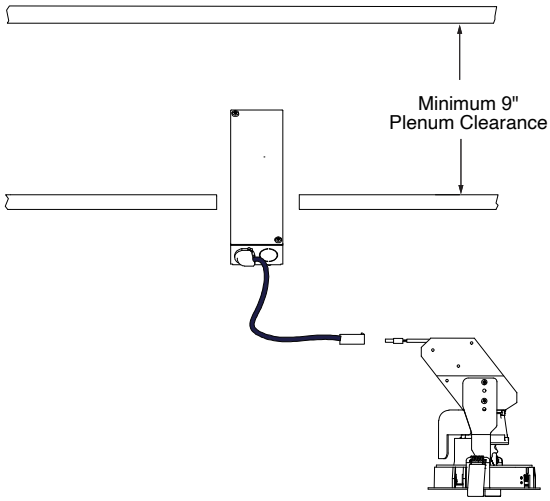
10LM - 30LM (DIM10 / DIM10Z / DALI / DALIZ)

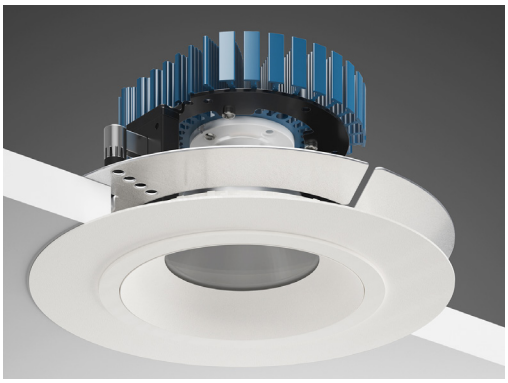




10LM - 30LM (ELV1)
10LM - 20LM (BDIM10 / LUTP)







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".

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

LOW VOLTAGE OPTIONS

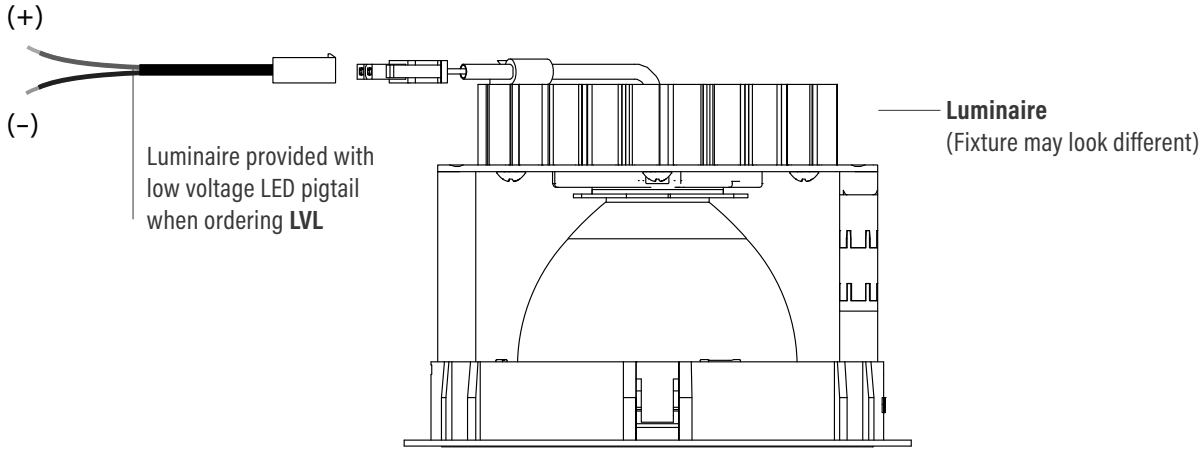
20° - 100° BEAM (Note: Specifications are subject to change without notice)			
9mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	980LM @30K/90CRI	200mA	7.5W
15LM	1500LM @30K/90CRI	325mA	12W
20LM	2030LM @30K/90CRI	450mA	16.5W
25LM	2510LM @30K/90CRI	575mA	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)		

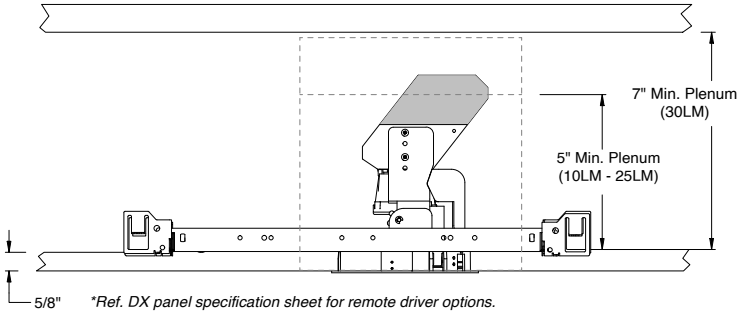
NOMINAL LED VOLTAGE: 36VDC

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



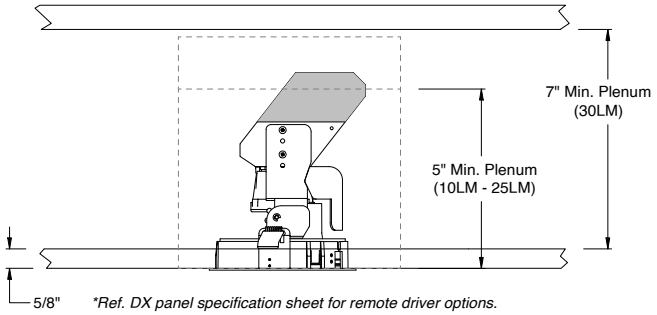
PLENUM HEIGHT

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



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

(RET-LVL-ND) REMOTE DX PANEL RETRO



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

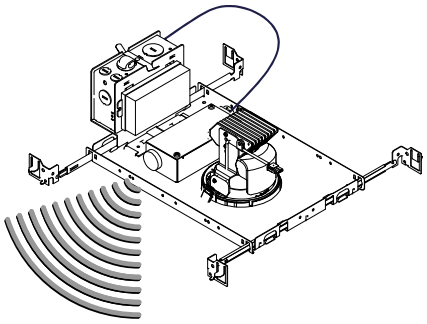
**Ref. DX panel specification sheet for remote driver options.*

alphabet

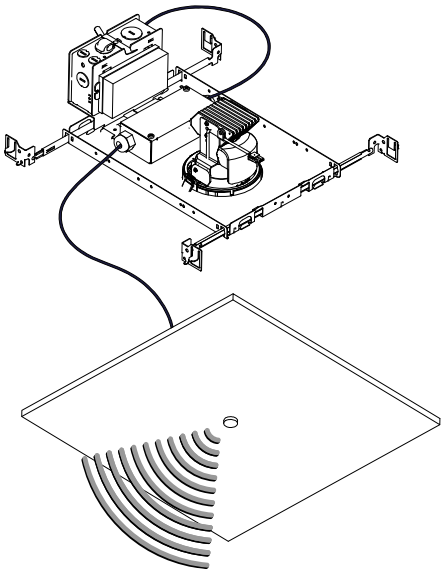
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WIRELESS OPTIONS

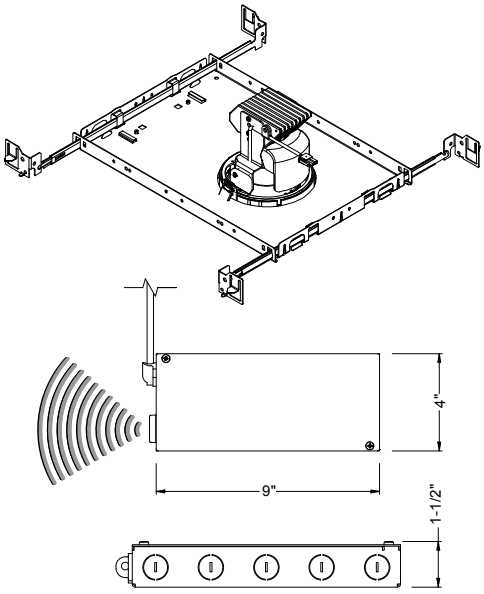
NC - NEW CONSTRUCTION
PLENUM SIDE



NC - NEW CONSTRUCTION
R CEILING SIDE

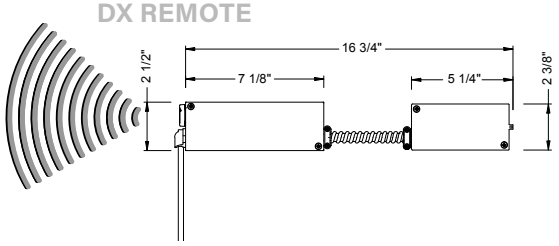


NC - NEW CONSTRUCTION
DX REMOTE



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

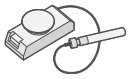


YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU4 - TRA - SW - 20LM - 30K - 90 - 20D - NL - WH - WH - NC - UNV - AWN
NU4 - TRA - SW - 20LM - 30K - 90 - 20D - NL - WH - WH - NC - LVL - AWN - DX

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

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

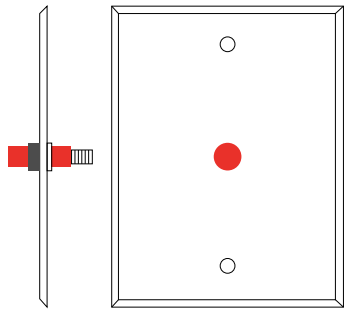
BATTERY OPTIONS

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 Luminaires.

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.

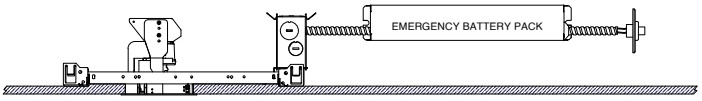
REMOTE LOCATION
Maximum remote mounting distance of the emergency driver shall be 50 feet. Remote location wiring provided by others. Follow all Local and National Electric/ Building Codes.



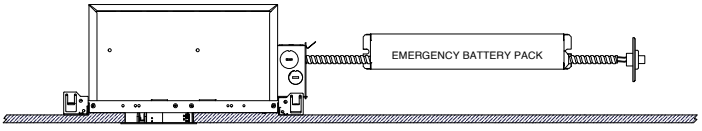
Remote Test Switch

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

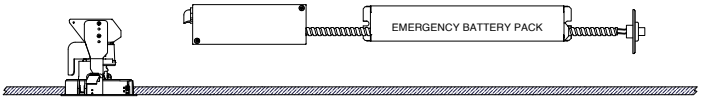
NC - NEW CONSTRUCTION
WITH EM BATTERY (REMOTE TEST SWITCH)



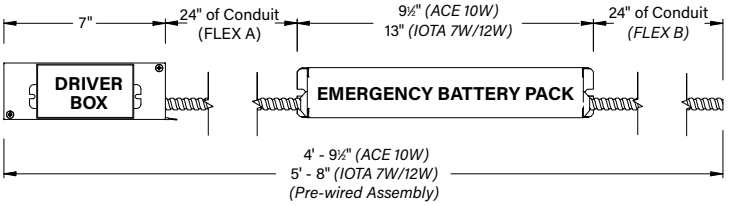
IC / ICAT / CP - INSULATION CONTACT HOUSING
WITH EM BATTERY (REMOTE TEST SWITCH)



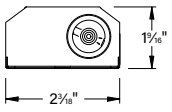
RET - RETROFIT
WITH EM BATTERY (REMOTE TEST SWITCH)



REMOTE BATTERY DIMENSIONS



EMERGENCY BATTERY PACK



DRIVER BOX

