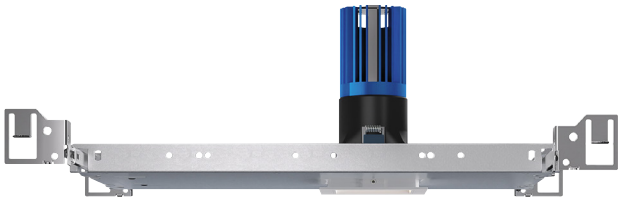
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU2

2" Square Deep Regress Tuneable White

NSF · AT airtight · PR plenum rated · wet rated · BABA•BAA



25° - 50° BEAM (Note: Specifications are subject to change without notice)		
9mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	880LM @35K/95CRI	12W
12LM	1180LM @35K/95CRI	16W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)	

15° - 20° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	630LM @35K/95CRI	9W
Notes	Delivered lumens based on 20D optic with no lens, (see page 2)	

FEATURES

- 1" bezel regress with 3/8" micro flange
- UGR < 11
- 90 LPW average
- 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%
- eldoLED DALI, dim to 0.1%
- DMX-512/RDM, dim to 0%
- Wireless control options, dim to 0.1% (Ref. page 10)

CONSTRUCTION

- High-grade die-cast and cold forged aluminum alloy assembly with superior thermal and corrosion resistant properties
- Shatter proof acrylic bezel lens
- 20-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 2"
- **CUTOUT DIMENSIONS:**
  Trim - 2-5/8" x 2-5/8"
  Trimless - 2-5/8" x 2-5/8"
  Millwork - 2-5/16" x 2-5/16"

LED

- Luminus tunable white COB: 95 CRI, R9 > 70: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs

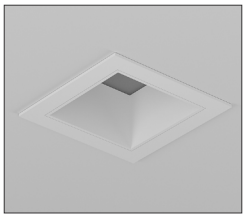
LISTING

- 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
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

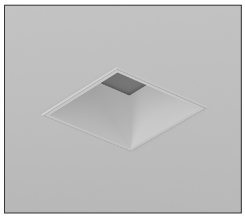
ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Max. ambient installation temperature 95°F (35°C)

TRIM OPTIONS



Trimmed

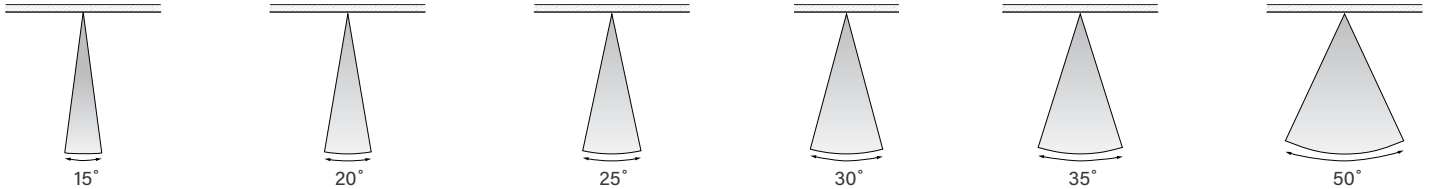


Trimless



Trimless Millwork

BEAM SPREADS



101525

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE			
SERIES	NU2	NU2	
TYPE	SDDR	square downlight deep regress	
	SDTDR	square downlight trimless deep regress	
	SDTMWDR	square downlight trimless millwork deep regress	
LED	TW	tunable white (Luminus)	
DELIVERED LUMENS	10LM	880 lm, 630 lm (15D/20D)	
	12LM	1180lm	
	Standard Configuration: 3500K 95CRI 35D, **NL** **Calculated Delivered Lumens =** [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	1840	1800K to 4000K tunable white	
	2765	2700K to 6500K tunable white	
CRI	95	95 CRI	
OPTIC & LM MULTIPLIER	15D	15 degrees	(1.00)
	20D	20 degrees	(1.00)
	25D	25 degrees	(0.97)
	35D	35 degrees	(1.00)
	50D	50 degrees	(0.80)
BEZEL LENS	NL	no lens	(1.00)
	CL	clear lens	(0.96)
	DL	diffused lens	(0.90)
	HCL	honeycomb louver	(0.70)
	HET	high efficiency textured lens, similar to Solite™	(0.94)
	SBL	smoothing beam lens	(0.95)
	Maximum 2pcs of media per fixture.		
TRIM 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.		
	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.		

ORDERING CODE		
MOUNTING OPTIONS	NC	new construction plate
	RET[2]	retrofit, no ceiling plate
VOLTAGE	UNV[3]	120V-277V
	LVL[4]	low voltage luminaire
DIMMING	DIM10Z[5]	eldoLED flicker free 0-10V dim 0.1%
	DALIZ-DT6	eldoLED flicker free DALI-2, DT6, dim to 0.1%
	DALIZ-DT8	eldoLED flicker free DALI-2, DT8, dim to 0.1%
	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
	REMOTE DX COMPACT DRIVER (ref. page 9 for available options)	
	WIRELESS (ref. page 10 for available options)	

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU2 - SDDR - TW - 10LM - 2765 - 95 - 35D - CL - WH - WH - NC - UNV - DIM10Z

COMPATIBILITY - MOUNTING / ACCESSIBILITY / DIMMING						
DIMMING	NC-F	NC	IC	ICAT	CP	RET
	FIXED	FLOATING	FLOATING	FLOATING	FLOATING	FLOATING
DIM10	✔	✔	✔	✔	✔	✔
BDIM10	✔	✔	✔	✔	✔	✔
DIM10Z	✔					
DALI	✔	✔	✔	✔	✔	✔
DALIZ	✔					
LUTP	✔	✔	✔	✔	✔	✔
ELV1	✔	✔	✔	✔	✔	✔
DMX	✔					
NLT	✔					
ND	REMOTE POWER SUPPLY					
Fixed driver - above ceiling access required (grid / T-Bar ceiling)						
Floating driver - below ceiling accessible (gypsum / hard lid ceiling)						

NOTES

1. Custom set up fee plus minimum quantity required per color.
2. RET available in LVL option only.
3. Requires above ceiling access.
4. Must select DX dimming with LVL.
5. Requires 2 wall controllers.

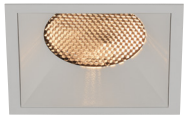
* EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

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
- Calculations based on 10LM fixtures, unless otherwise noted

HCL
Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
15D	17	<10
20D	20	<10
25D	23	<10
35D	32	<10
50D	45	11.6

NL
No Lens



OPTIC	BEAM ANGLE	UGR
15D	17	<10
20D	21	<10
25D	23	<10
35D	37	<10
50D	52	16.2

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
15D	18	<10
20D	22	<10
25D	24	<10
35D	37	<10
50D	51	15.8

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
25D	38	15
35D	45	16.3
50D	53	20.1

HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	22	<10
20D	24	<10
25D	27	<10
35D	37	10.7
50D	50	17

SBL
Smoothing Beam Lens



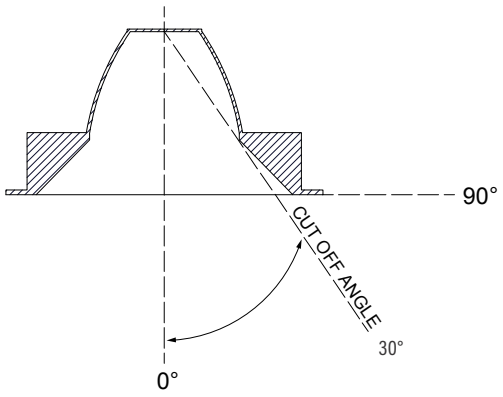
OPTIC	BEAM ANGLE	UGR
15D	19	<10
20D	23	<10
25D	25	<10
35D	37	<10
50D	51	16.2

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 30° degrees;



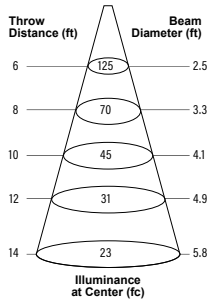
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

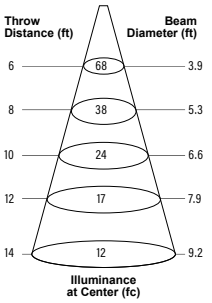
10LM

25D 23° NO LENS



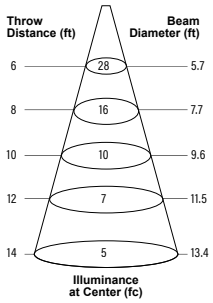
WATTS: 12	LPW: 71.4
LUMENS: 857	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	4506
5	4113
15	1341
25	199
35	18
45	5

35D 36° NO LENS



WATTS: 12	LPW: 73.6
LUMENS: 884	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	2448
5	2352
15	1574
25	435
35	26
45	5

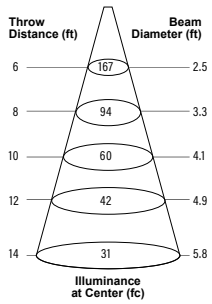
50D 52° NO LENS



WATTS: 12	LPW: 61.1
LUMENS: 733	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	1004
5	996
15	893
25	533
35	157
45	17

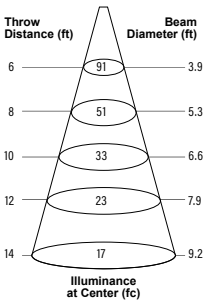
12LM

25D 23° NO LENS



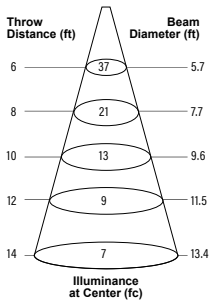
WATTS: 15	LPW: 76.2
LUMENS: 1143	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	6013
5	5488
15	1790
25	265
35	24
45	7

35D 36° NO LENS



WATTS: 15	LPW: 78.6
LUMENS: 1179	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	3267
5	3138
15	2101
25	581
35	34
45	6

50D 52° NO LENS



WATTS: 15	LPW: 65.2
LUMENS: 978	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	1340
5	1329
15	1192
25	711
35	210
45	22

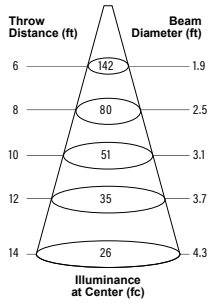
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

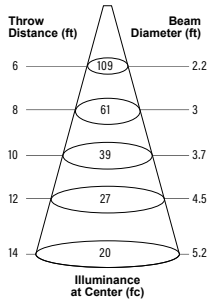
10LM

15D
17° NO LENS



WATTS: 8.9	LPW: 70.9
LUMENS: 631	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	5111
5	4217
15	741
25	100
35	23
45	10

20D
21° NO LENS



WATTS: 8.9	LPW: 71.1
LUMENS: 633	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	3936
5	3363
15	883
25	124
35	27
45	10

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

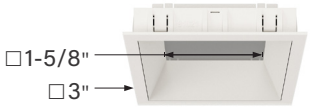
TRIM OPTIONS

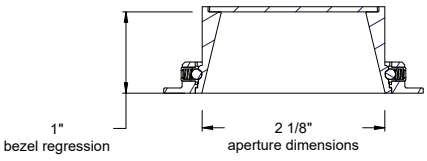
TRIM/BEZEL COLORS

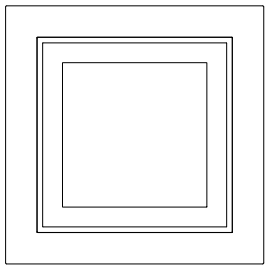


WH MC BK BZ CC

TRIMMED



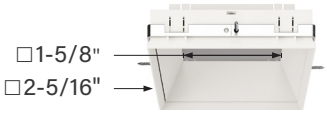


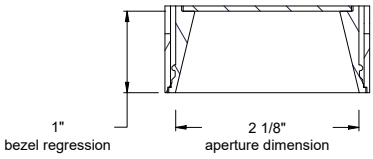


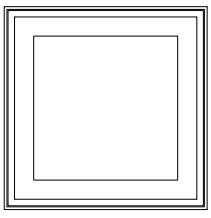
ceiling cutout
2-5/8" diameter

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

MILLWORK



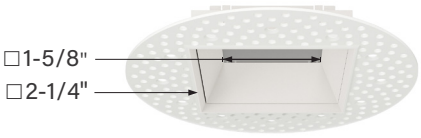


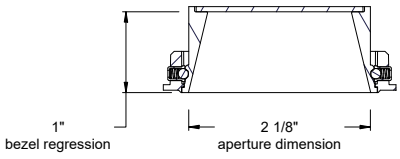


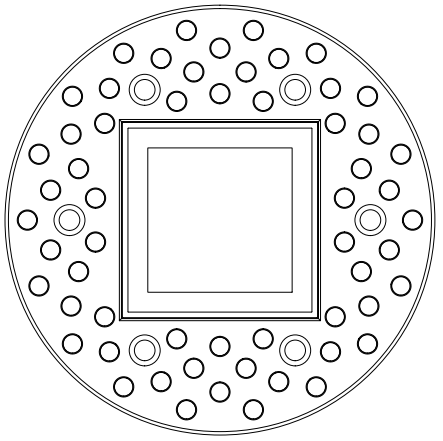
ceiling cutout
2-5/16" diameter

ceiling thickness
3/8" to 2"

TRIMLESS







ceiling cutout
2-5/8" diameter

ceiling thickness
3/8" to 2"

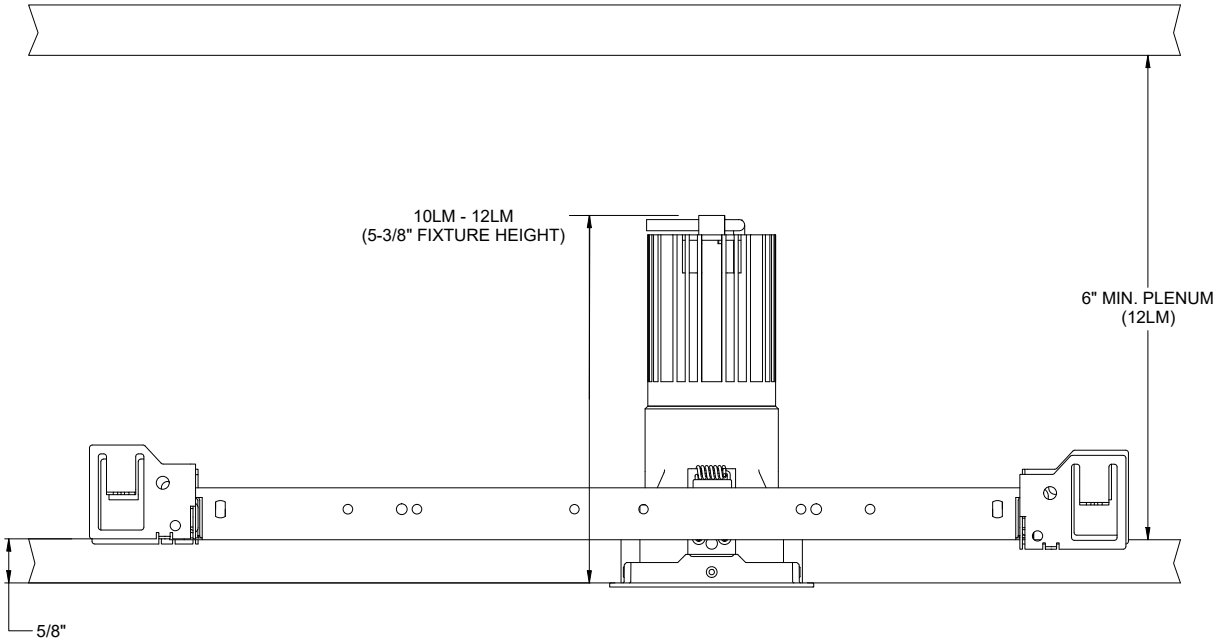
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

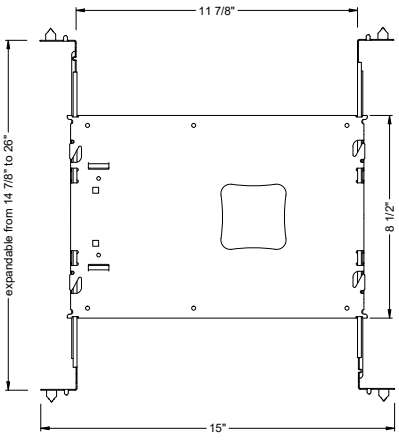
RATINGS / CERTIFICATIONS	NC	RET
TYPE NON-IC	✔	✔
TYPE IC		
CHICAGO PLENUM (CCEA)		
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283		

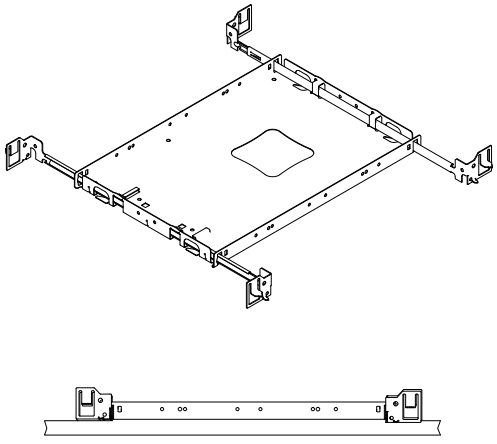
MOUNTING TYPE	STANDARD CEILING THICKNESS	STANDARD CEILING CUTOUT
TRIM	1/8" to 1-3/4"	2-5/8"
TRIMLESS	3/8" to 2"	2-5/8"
MILLWORK (TRIMLESS)	3/8" to 2"	2-5/16"

PLENUM HEIGHT



NEW CONSTRUCTION - NC



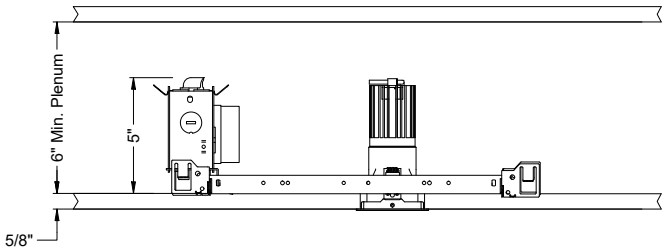


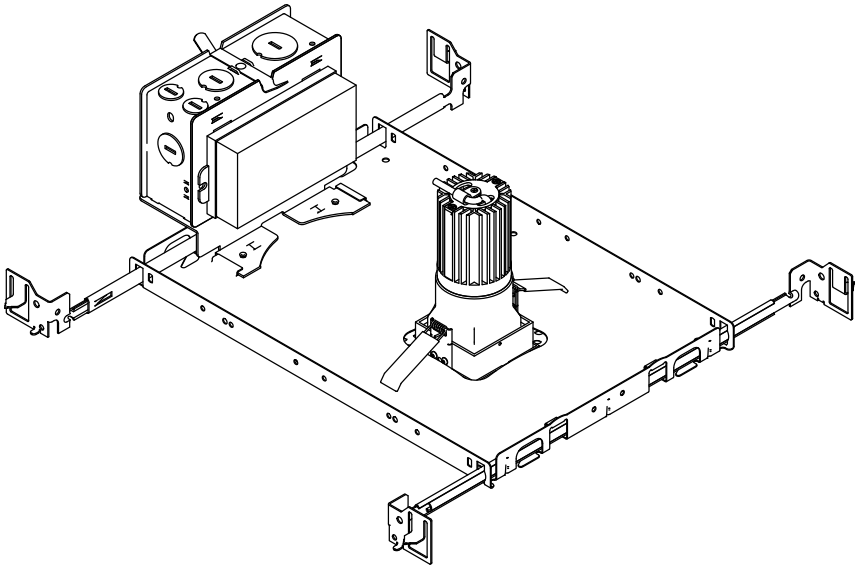
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

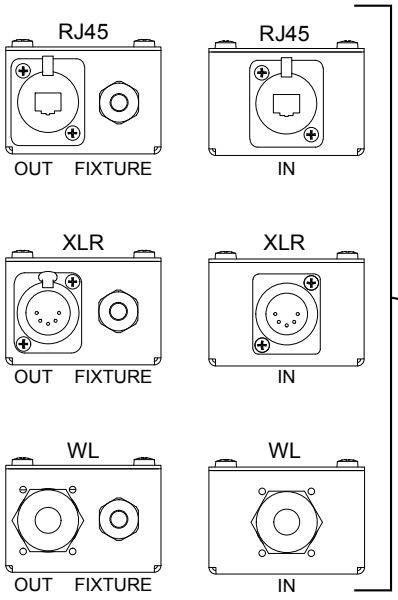
MOUNTING OPTIONS

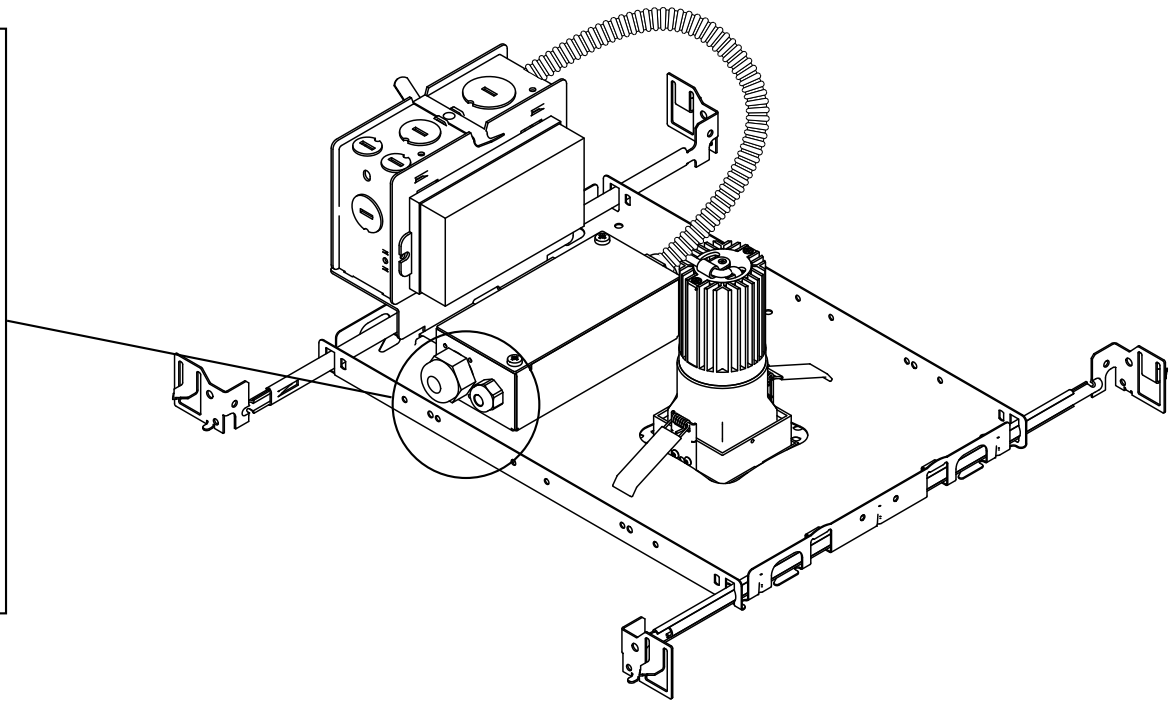
10LM-12LM (DIM10Z / DALIZ-DT6 / DALIZ-DT8) - FIXED
(ABOVE CEILING ACCESS REQUIRED)





10LM-12LM (DMX-WL / DMX-XLR / DMXZ-RJ45) - FIXED
(ABOVE CEILING ACCESS REQUIRED)



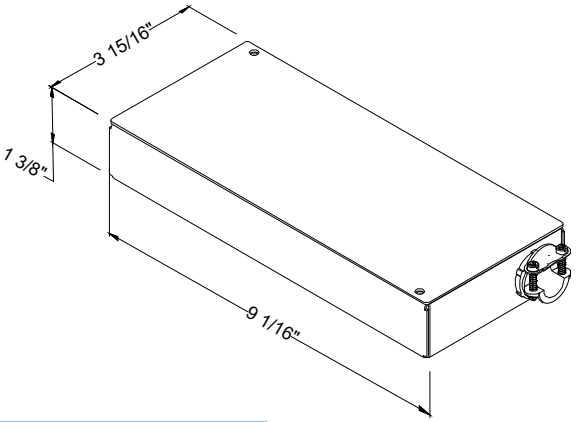


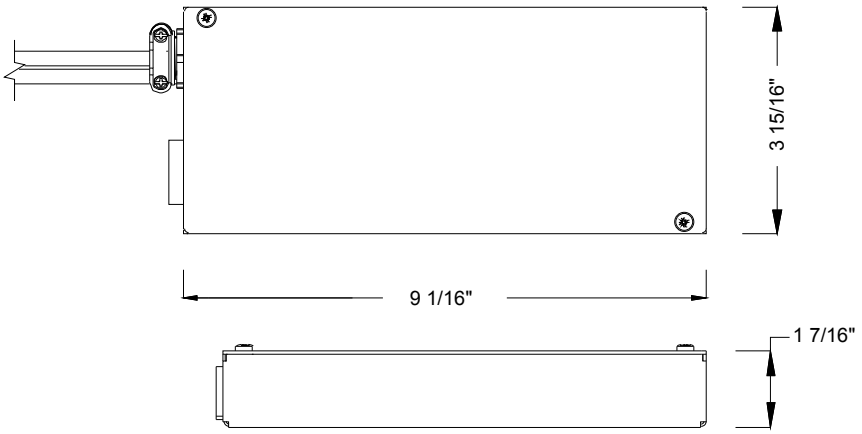
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

REMOTE COMPACT DRIVER

REMOTE COMPACT DRIVER (DIMMING)

DX ORDERING OPTIONS	
DIM10Z-DX	remote compact eldoLED flicker free 0-10V dim 0.1% driver
DALIZ-DT6-DX	remote compact eldoLED flicker free DALI-2, DT6, dim to 0.1% driver
DALIZ-DT8-DX	remote compact eldoLED flicker free DALI-2, DT8, dim to 0.1% driver
DMX-RJ45-DX	remote compact DMX-512/RDM dim to 0% with RJ45 input driver





*Remote DX can power LEDs up to 330FT (18 AWG).
Customer will recieve a single remote compact driver per fixture.

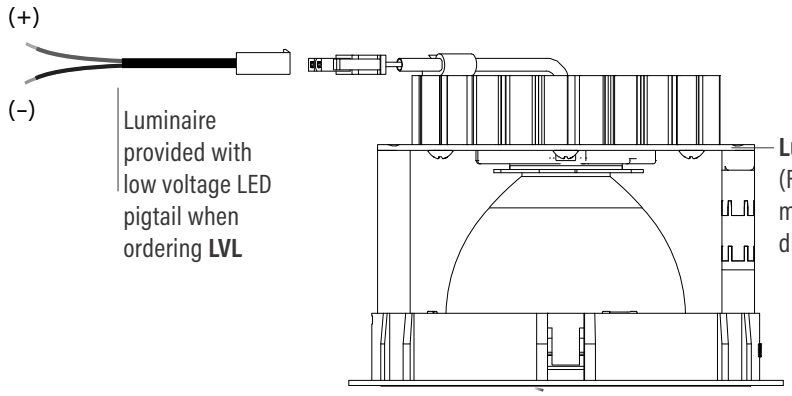
LOW VOLTAGE OPTIONS

25° - 50° BEAM (Note: Specifications are subject to change without notice)			
9mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	880LM @35K/95CRI	250mA	9W
12LM	1180LM @35K/95CRI	350mA	13W
Notes	Delivered lumens based on 35D optic with no lens, (see page 2)		

15° - 20° BEAM (Note: Specifications are subject to change without notice)			
6mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
10LM	630LM @35K/95CRI	175mA	6.5W
Notes	Delivered lumens based on 20D optic with no lens, (see page 2)		

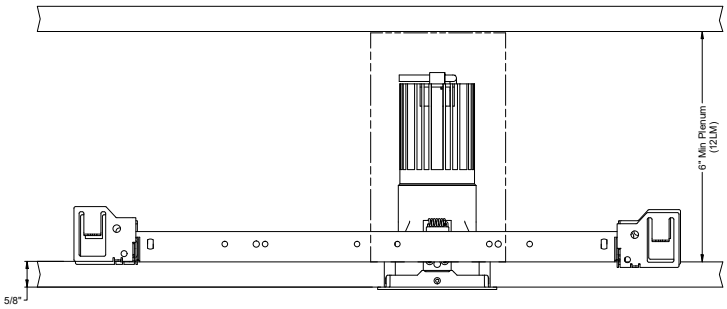
NOMINAL LED VOLTAGE: 36VDC

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

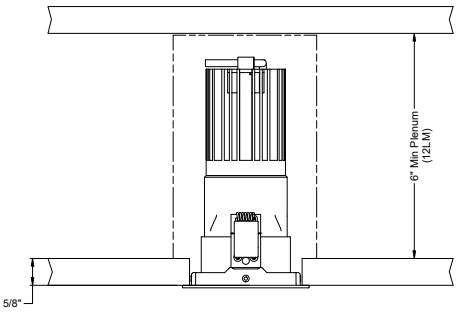


PLENUM HEIGHT

(NC-LVL) NEW CONSTRUCTION REMOTE DX PANEL



(RET-LVL) REMOTE DX PANEL RETRO

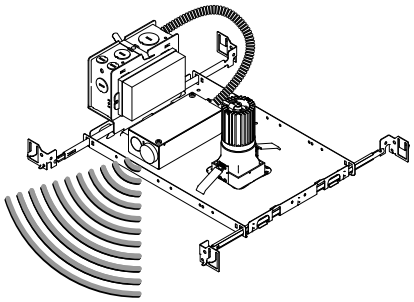


Ref. DX panel specification sheet for remote driver options.

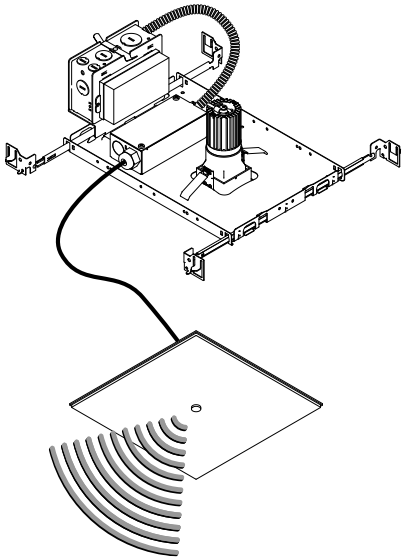
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WIRELESS OPTIONS

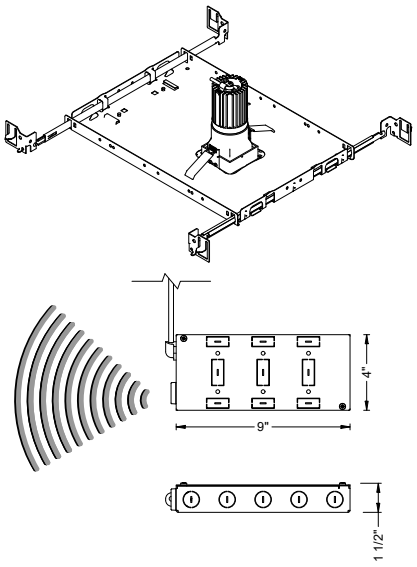
NC - NEW CONSTRUCTION
PLENUM SIDE



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.

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU2 - SDDR - TW - 10LM - 2765 - 95 - 35D - NA - CL - WH - WH - NC - UNV - AWND
NU2 - SDDR - TW - 10LM - 2765 - 95 - 35D - NA - CL - WH - WH - RET - LVL - AWND - DX

LUTRON Athena

ORDERING CODE

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

(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off

legrand WATTSTOPPER® PLUS

ORDERING CODE

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

(DALI2 Driver): Moons D4i DALI2 LED driver with DALI Bus Power, Dim-to-off