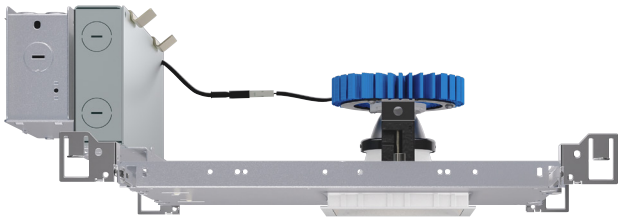
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU4

4" Square Downlight Hyperbolic Tunable White

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



40° BEAM (Note: Specifications are subject to change without notice)		
14mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**SYSTEM WATTAGE**
10LM	1040LM @35K/95CRI	13W
15LM	1540LM @35K/95CRI	19W
20LM	2020LM @35K/95CRI	25W
25LM	2560LM @35K/95CRI	32W
Notes	Delivered lumens based on 40D optic with white hyperbolic cone, (see page 2)	

FEATURES

- 3/4" bezel regress with 1/16" micro flange
- UGR < 11.4
- Up to 110 LPW
- Glare control, specialty optics, trim options, and custom finishes available

DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0% and 1%
- eldoLED flicker free DALI dimming to 0% and 1%
- DMX-512/RDM dim to 0%
- NLight control interface dimming to 0%
- Wireless control options, dim to 1% (see page 10)

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 3/8" to 1-3/4"
- **CUTOUT DIMENSION:**
  Trim- 4 - 1/4" x 4 - 1/4"
  Trimless- 4 - 1/4" x 4 - 1/4"
  Millwork- 4 - 1/4" x 4 - 1/4"

LED

- Luminus tunable white COB from 2700K - 6500K: 95 CRI, R9 >70: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs

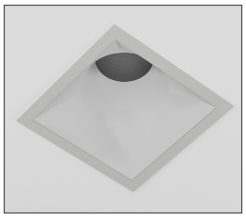
LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- Suitable for dry and damp locations
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

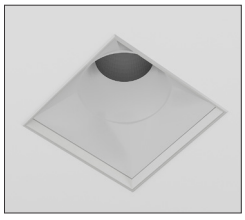
ELECTRICAL

- Power factor ≥ 0.9
- 2kV driver input surge protection
- Max. ambient installation temperature 95°F (35°C)

TRIM OPTIONS



Trimmed

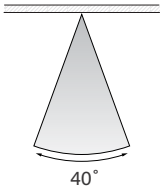


Trimless



Trimless Millwork

BEAM SPREADS



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	NU4	NU4
TYPE	QH	square hyperbolic
	QHT	square hyperbolic trimless
	QHTMW	square hyperbolic trimless millwork
LED	TW	tunable white (Luminus)
DELIVERED LUMENS	10LM	1040 lm
	15LM	1540 lm
	20LM	2020 lm
	25LM	2560 lm
	Standard Configuration: 3000K 80CRI WHD50 **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 typical, 90 minimum
OPTIC & LM MULTIPLIER	40D	40 degrees
TRIM COLOR	BK	black
	WH	white
	MC	matte chrome
	CC[1]	custom color, consult factory for details
	Not applicable to trimless option. Do not include in trimless ordering code.	
BEZEL COLOR	BK	black
	WH	white

1840

CCT	1800K	2000K	2400K	2700K	3000K	3500K	4000K
CCT MULTIPLIER FOR LUMEN OUTPUT	0.74	0.76	0.83	0.88	0.96	1	1.09
EML RATIO	0.21	0.33	0.46	0.54	0.6	0.69	0.73

2765

CCT	2700K	3000K	3500K	4000K	5000K	5700K	6500K
CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.97	1	1.01	1.04	1.06	1.09
EML RATIO	0.52	0.62	0.76	0.83	0.96	1.02	1.07

ORDERING CODE		
MOUNTING OPTIONS	NC	new construction plate
	IC[2]	insulation contact housing
	ICAT[2]	insulation contact/airtight housing
	CP[2]	chicago plenum housing
VOLTAGE	UNV	120V-277V
	LVL[3,4]	low voltage luminaire, see page 2 for REMOTE DRIVER ORDERING CHART to specify driver.
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%
	DMXZ-RJ45	DMX-512/RDM dim to 0% with RJ45 input
	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
	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:

NU4 - QH - TW - 20LM - 2765 - 95 - 40D - WH - WH - NC - UNV - DIM10Z

NOTES

1. Custom set up fee plus minimum quantity required per color.
2. IC/ICAT/CP not available in 25LM.
3. Available with NC mounting option only.
4. Must select DX dimming with LVL.
5. Requires 2 wall controllers.

* 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.

NL
No Lens



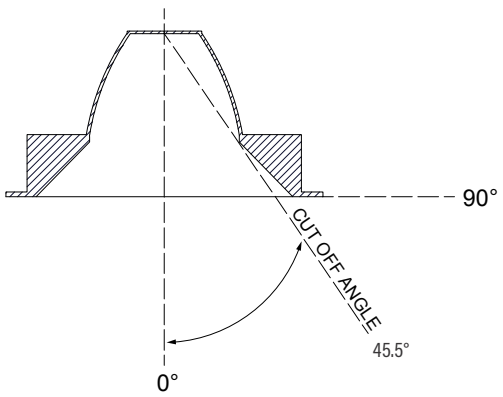
OPTIC	BEAM ANGLE	UGR
40D	41	11.4

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;



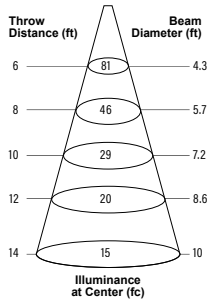
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

15LM

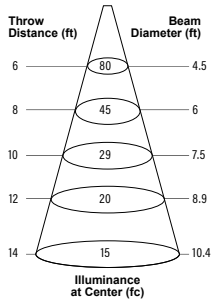
40D-BK
39° BLACK HYPERBOLIC CONE



WATTS: 18.7	LPW: 74.8
LUMENS: 1398	CCT: 3500K

INTENSITY	
DEGREE	CANDELA
0	2929
5	2812
15	1971
25	1018
35	152
45	23

40D-WH
41° WHITE HYPERBOLIC CONE

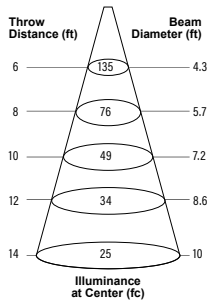


WATTS: 18.7	LPW: 82.3
LUMENS: 1538	CCT: 3500K

INTENSITY	
DEGREE	CANDELA
0	2868
5	2764
15	1991
25	1066
35	202
45	70

25LM

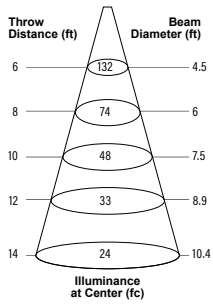
40D-BK
39° BLACK HYPERBOLIC CONE



WATTS: 31.4	LPW: 74
LUMENS: 2323	CCT: 3500K

INTENSITY	
DEGREE	CANDELA
0	4867
5	4671
15	3274
25	1691
35	252
45	38

40D-WH
41° WHITE HYPERBOLIC CONE



WATTS: 31.4	LPW: 81.4
LUMENS: 2555	CCT: 3500K

INTENSITY	
DEGREE	CANDELA
0	4765
5	4591
15	3308
25	1770
35	336
45	116

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

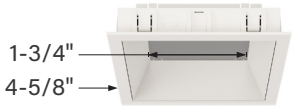
TRIM/BEZEL COLORS

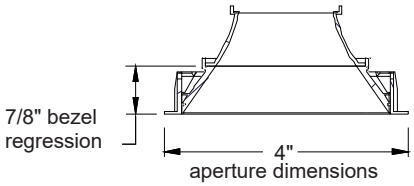


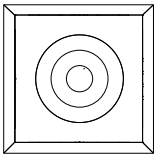
WH

BK

TRIMMED



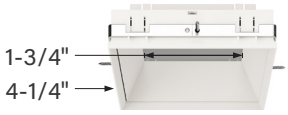


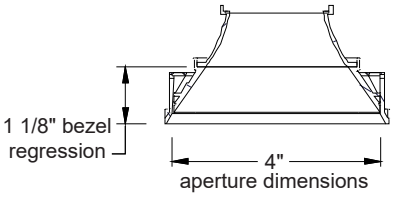


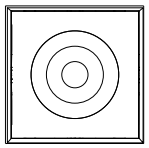
ceiling cutout
4-1/4" square

ceiling thickness
1/8" to 1-5/8"

MILLWORK



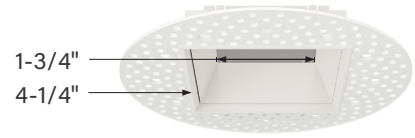


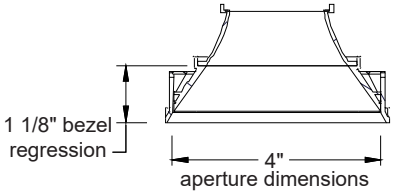


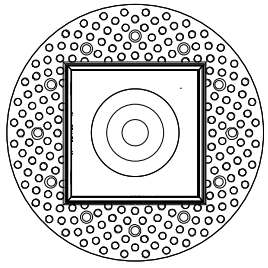
ceiling cutout
4-1/4" square

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

TRIMLESS







ceiling cutout
4-1/2" square

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

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.

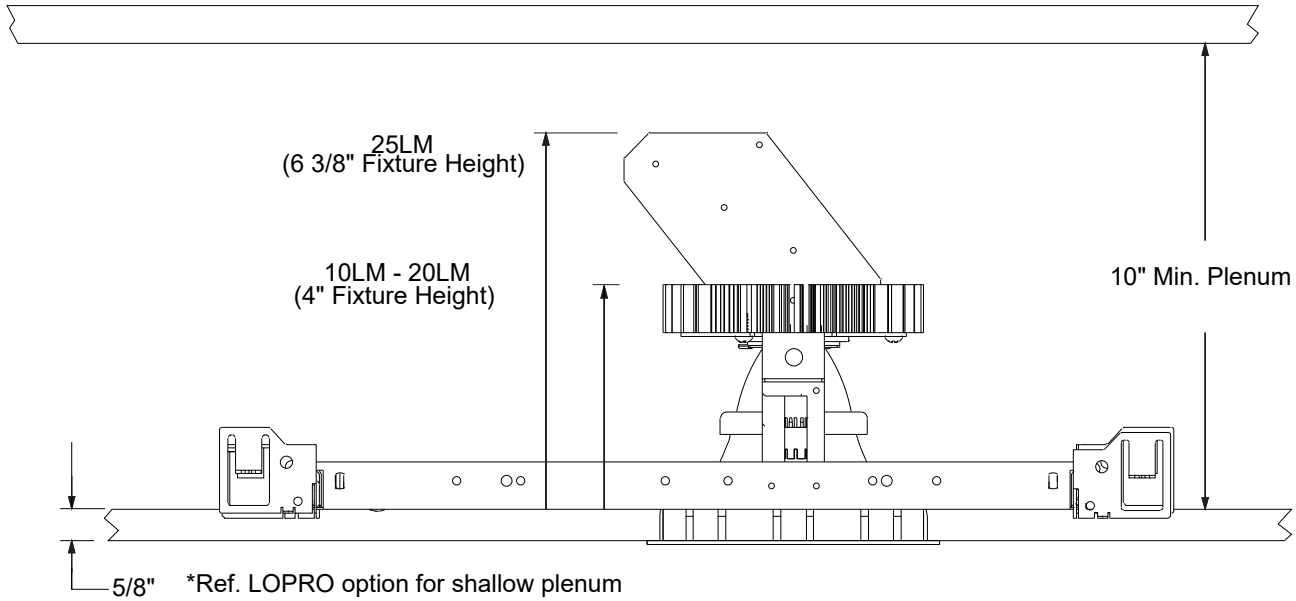
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

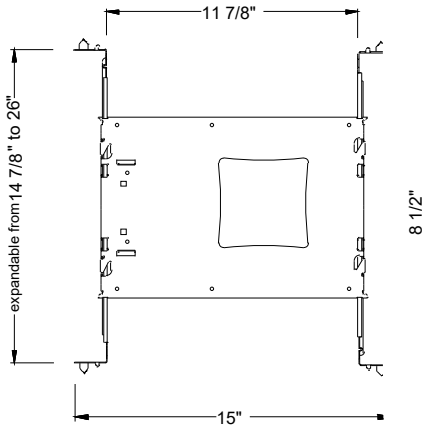
RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✔				
TYPE IC		✔	✔		
CHICAGO PLENUM (CCEA)				✔	
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔	✔	
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔	✔	

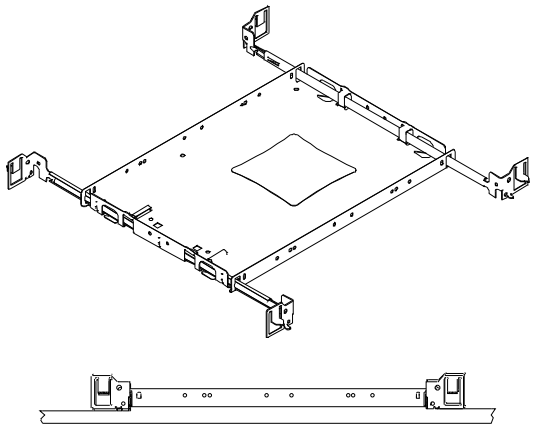
MOUNTING TYPE	STANDARD CEILING THICKNESS	STANDARD CEILING CUTOUT
TRIM	3/8" to 1-5/8"	4-1/4"
TRIMLESS	3/8" to 1-3/4"	4-1/4"
MILLWORK (TRIMLESS)	5/8" to 1-3/4"	4-1/4"

PLENUM HEIGHT



NEW CONSTRUCTION - NC



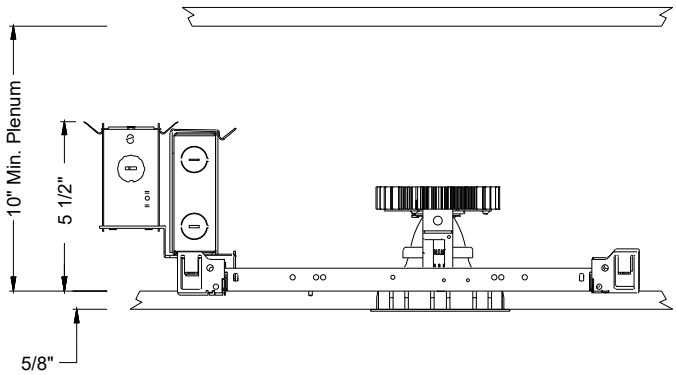


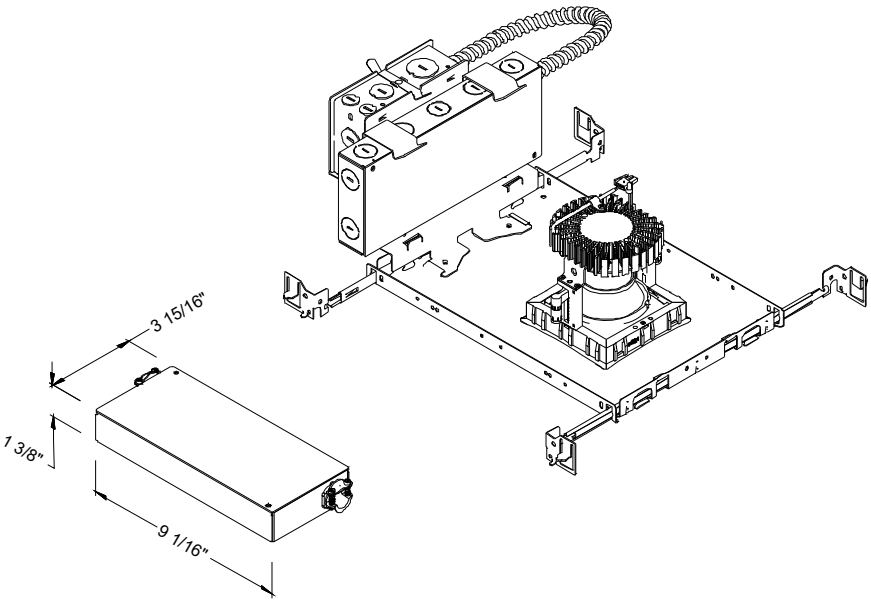
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

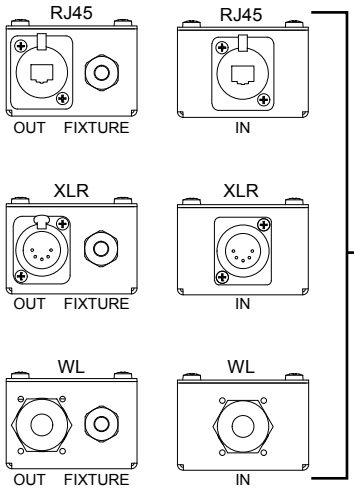
MOUNTING OPTIONS

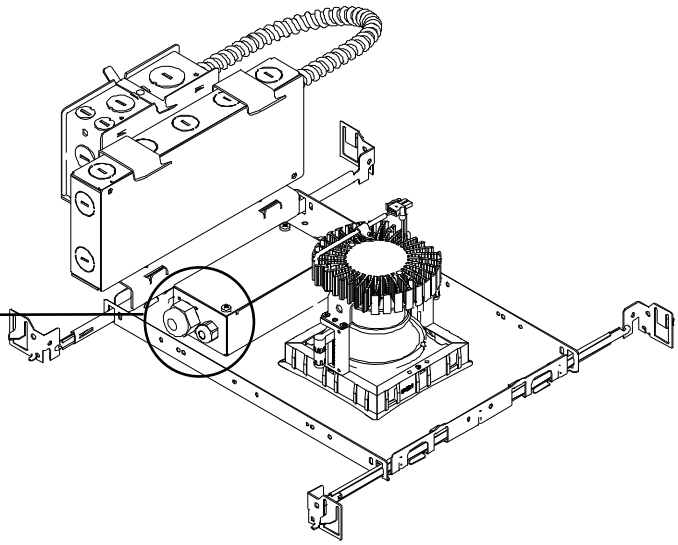
10LM-25LM (DIM10Z / DALIZ-DT6 / DALIZ-DT8)
(BELOW CEILING ACCESSIBLE)



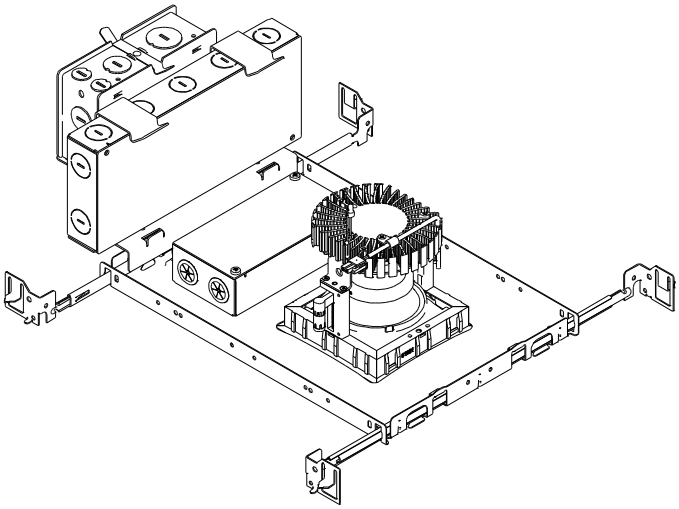


10LM-25LM (DMX-WL / DMX-XLR / DMXZ-RJ45)
(BELOW CEILING ACCESSIBLE)





10LM-25LM NLT HOUSING - (NLT)
(BELOW CEILING ACCESSIBLE)

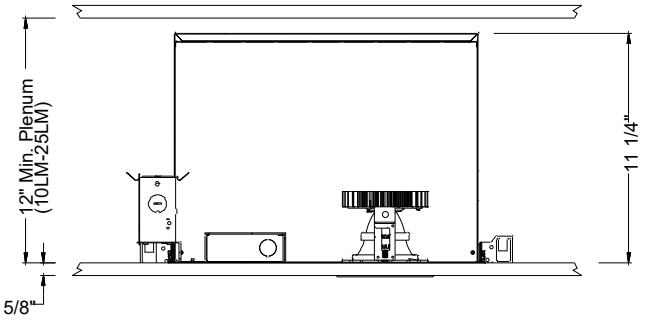


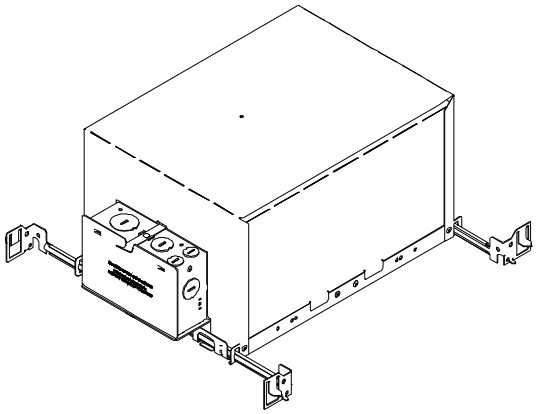
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

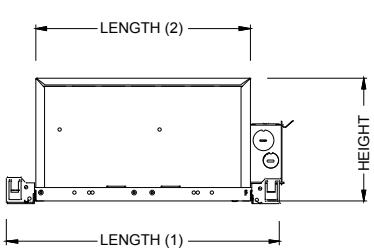
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

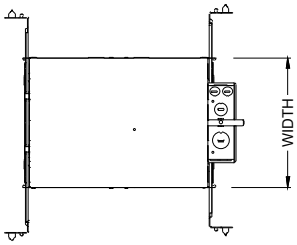
MOUNTING OPTIONS

IC - INSULATION CONTACT | ICAT - INSULATION CONTACT / AIR TIGHT | CP - CHICAGO PLENUM — FLOATING
(DIM10Z / DALIZ-DT6 / DALIZ-DT8)









BOX SIZE	L 1	L 2	W	H
A	18 - 1/4"	14 - 7/8"	12 - 1/8"	11 - 1/4"

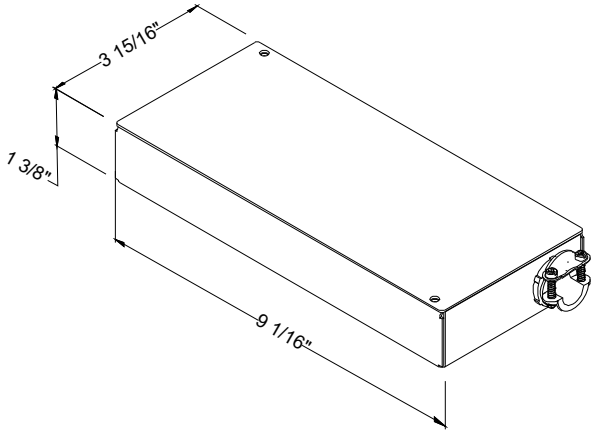
BOX TYPE / LUMEN OUTPUT - STANDARD BEAM (45°-50°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
10LM	✔	✔	✔
15LM	✔	✔	✔
20LM	✔	✔	✔
25LM			

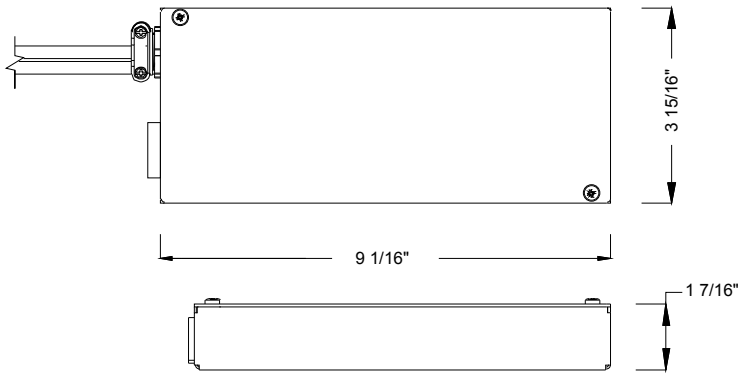
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

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

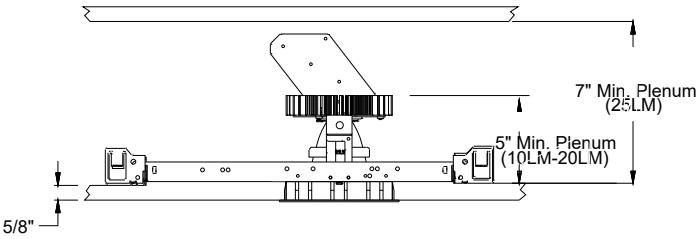




*Remote DX can power LEDs up to 330FT (18 AWG).
Customer will recieve a single remote compact driver per fixture.

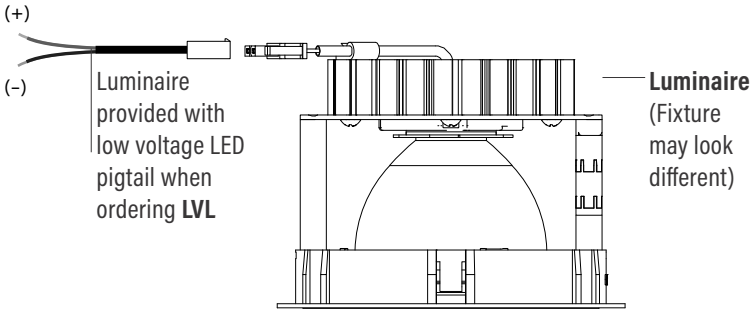
PLENUM HEIGHT

(NC-LVL-DX) NEW CONSTRUCTION REMOTE DX DRIVER



NOMINAL LED VOLTAGE: 36VDC

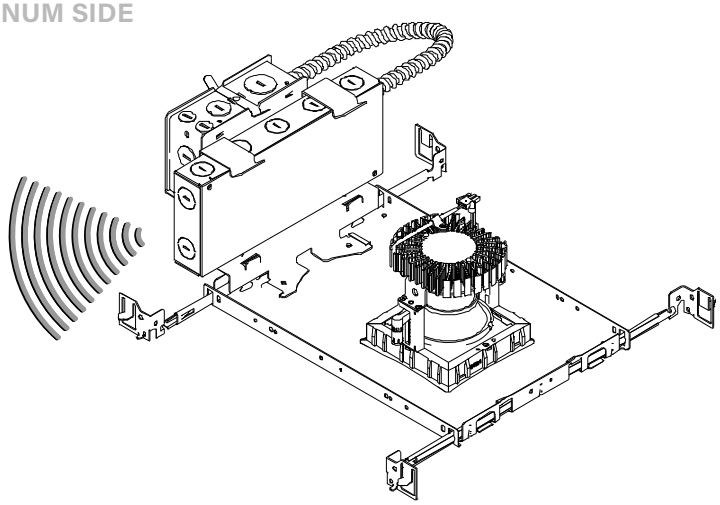
Customer to order CC Remote Driver separately or POE Node by others.



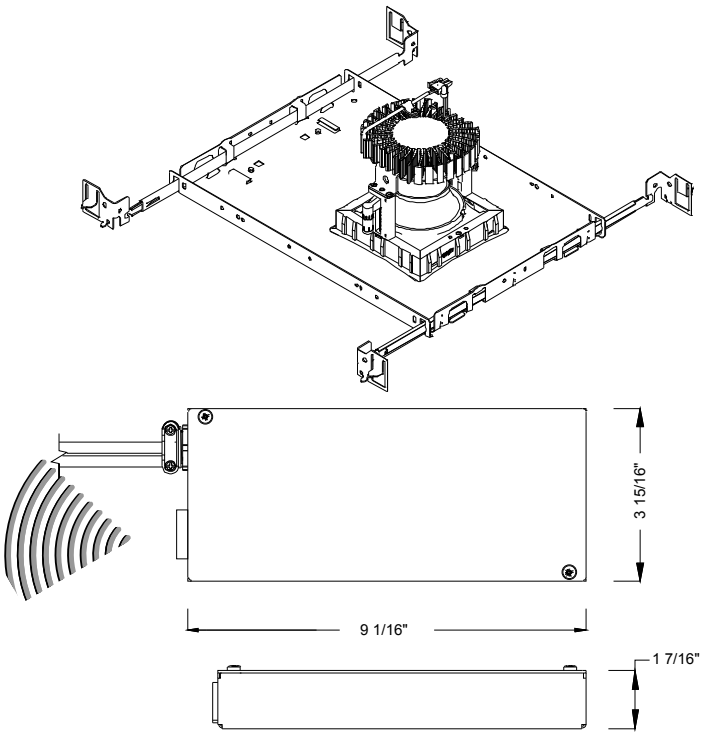
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WIRELESS OPTIONS

10LM-15LM NC - NEW CONSTRUCTION
PLENUM SIDE



10LM-15LM 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:
NU4 - QH - TW - 20LM - 2765 - 95 - 40D - WH - WH - NC - UNV - AWN
NU4 - QH - TW - 20LM - 2765 - 95 - 40D - WH - WH - NC - LVL - AWN - 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



MODEL NUMBER

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

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

CLMD-DX . .connected lighting module (DALI2 Driver) - remote DX Compact Driver



MODEL NUMBER

CLM model #: ZBHA-CLM-DIM

POWER SUPPLY

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