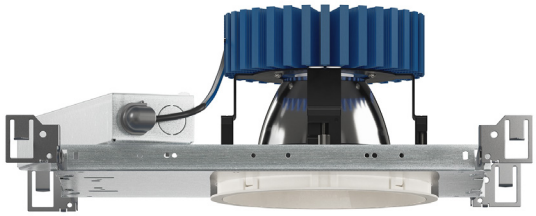
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU6

6" Round Downlight Tunable White

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



15° - 80° BEAM (Note: Specifications are subject to change without notice)		
18mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**SYSTEM WATTAGE**
15LM	1510LM @35K/95CRI	15W
20LM	2010LM @35K/95CRI	20W
25LM	2500LM @35K/95CRI	25W
30LM	3050LM @35K/95CRI	30W
35LM	3590LM @35K/95CRI	37W
Notes	Delivered lumens based on 15D optic with SBL lens, (see page 2)	

FEATURES

- Thermally optimized for longevity
- 1-1/8" bezel regress with 1/16" micro flange
- UGR <10.6
- Glare control, specialty optics, trim options, and custom finishes available
- Microban® antimicrobial finish available on all exposed painted surfaces

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%
- Wireless control options, dim to 1% (see 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 1/8" to 1-1/4"
- **CUTOUT DIMENSION:** Trimmed - 6-3/8"

LED

- Luminus tunable white COB: 95 CRI, R9 > 70: SDCM = 4-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

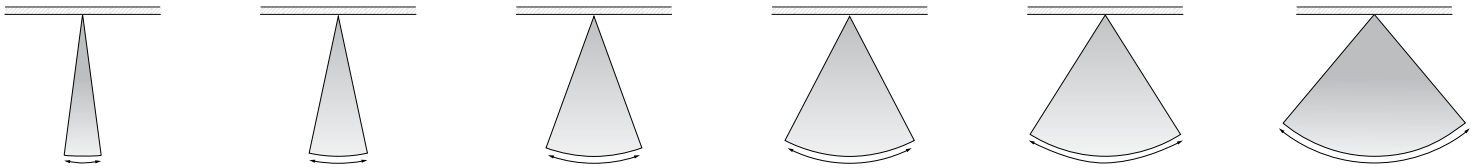
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Max. ambient installation temperature 95°F (35°C)

TRIM OPTIONS



Trimmed

BEAM SPREADS



alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE

SERIES	**NU6**	NU6	
TYPE	**RD**	round downlight	
LED	**TW**	tunable white (Luminus)	
DELIVERED LUMENS	**15LM**	1510 lm	
	20LM	2010 lm	
	25LM	2500 lm	
	30LM	3050 lm	
	35LM	3590 lm	
	Standard Configuration: 3500K 95CRI 15D Optic **SBL** Lens **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 max at 3500K, 90 CRI at 6500K	
OPTIC & LM MULTIPLIER	**15D**	15 degrees	(1.00)
	25D	25 degrees	(1.00)
	40D	40 degrees	(0.99)
	55D	55 degrees	(0.99)
	65D	65 degrees	(0.99)
	80D	80 degrees	(0.94)
ACCESSORY	**HCL**[1]	honeycomb louver	(0.75)
	Attached to bezel		
BEZEL LENS	**NL**[2]	no lens	(1.05)
	CL	clear lens	(1.01)
	DL	diffused lens	(0.98)
	E[3]	elliptical beam spread	(0.97
	HET	high efficiency textured lens, similar to Solite™	(1.00)
	SBL	smoothing beam lens	(1.00)
	WDL	wide diffused lens*	(0.95)
TRIM COLOR	**BK**	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	CC[3]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		
BEZEL COLOR	**BK**	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	CC[3]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

1840

CCT	1800K	2000K	2400K	2700K	3000K	3500K	4000K
CCT MULTIPLIER FOR LUMEN OUTPUT	0.67	0.74	0.8	0.85	0.88	0.95	1.01
EML RATIO	0.21	0.33	0.46	0.53	0.59	0.67	0.73

2765

CCT	2700K	3000K	3500K	4000K	5000K	5700K	6500K
CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.98	1	1.01	1.02	1.03	1.06
EML RATIO	0.47	0.6	0.71	0.8	0.94	1.01	1.09

ORDERING CODE

MOUNTING OPTIONS	**NC**	new construction plate
	NC-F	new construction plate, fixed driver
	IC[4]	insulation contact housing
	ICAT[4]	insulation contact/airtight housing
	CP[4]	chicago plenum housing
	RET	retrofit, no ceiling plate
VOLTAGE	**UNV**	120V-277V
	LVL[5,6]	low voltage luminaire
DIMMING	**DIM10Z**[7]	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
	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 12 for available options)	
	WIRELESS (ref. page 13 for available options)	

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU6 - RD - TW - 30LM - 2765 - 95 - 25D - SBL - WH - WH - NC - UNV - DIM10Z

NOTES

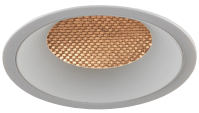
1. HCL not available with lens.
2. NL option does not meet requirement for AT/DF/WET/NSF listings.
3. Custom set up fee plus minimum quantity required per color.
4. IC/ICAT/CP not available in 35LM.
5. Available with NC or RET mounting options only.
6. Must select DX dimming with LVL.
7. Requires 2 wall controllers (see wiring diagram).

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures, unless otherwise noted.

HCL
Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
15D	16	10.2
25D	23	10.6
40D	34	10.9
55D	49	13.2
65D	56	14.3
80D	68	15.8

NL
No Lens



OPTIC	BEAM ANGLE	UGR
15D	16	13.3
25D	24	13.5
40D	37	13.6
55D	54	15.3
65D	66	16.4
80D	80	20.4

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
15D	17	13.2
25D	24	13.4
40D	37	13.7
55D	55	16.4
65D	67	17.2
80D	80	20.5

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
15D	36	16.6
25D	41	17
40D	49	17.7
55D	61	19
65D	69	19.7
80D	85	21.7

HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	20	13.4
25D	28	13.8
40D	38	14.4
55D	55	16.3
65D	65	17.4
80D	79	20.6

SBL
Smoothing Beam Lens



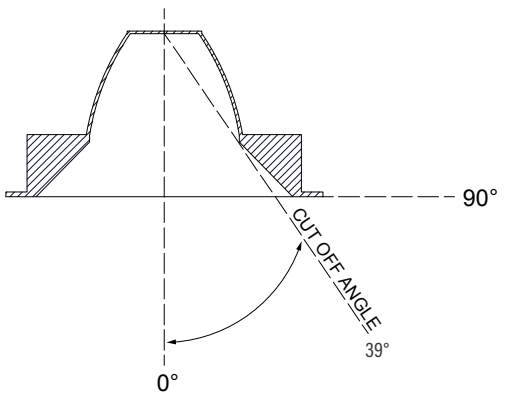
OPTIC	BEAM ANGLE	UGR
15D	17	13.1
25D	25	13.4
40D	37	13.8
55D	55	15.7
65D	66	16.7
80D	79	20.5

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 of NL and CL is 39 degrees;



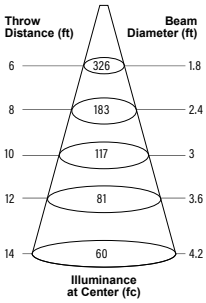
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

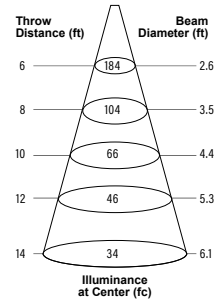
20LM

15D 17° WITH SBL LENS



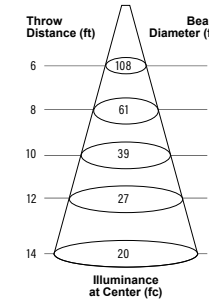
WATTS: 19.7	LPW: 102.1
LUMENS: 2011	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	11729
5	9474
15	1699
25	728
35	501
45	98

25D 25° WITH SBL LENS



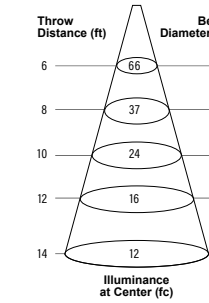
WATTS: 19.7	LPW: 101.7
LUMENS: 2004	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	6640
5	5899
15	2417
25	831
35	519
45	100

40D 37° WITH SBL LENS



WATTS: 19.7	LPW: 101.9
LUMENS: 2007	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	3874
5	3773
15	2554
25	1094
35	545
45	103

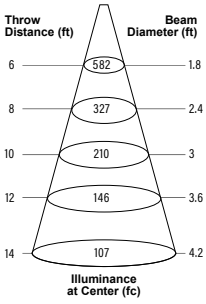
55D 55° WITH SBL LENS



WATTS: 19.7	LPW: 101.9
LUMENS: 2007	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	2366
5	2355
15	2066
25	1365
35	704
45	144

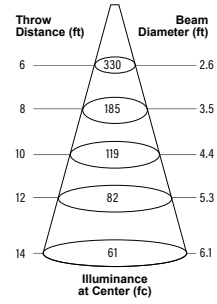
35LM

15D 17° WITH SBL LENS



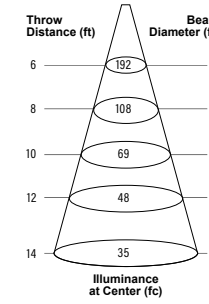
WATTS: 36.5	LPW: 98.5
LUMENS: 3594	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	20958
5	16930
15	3037
25	1300
35	896
45	175

25D 25° WITH SBL LENS



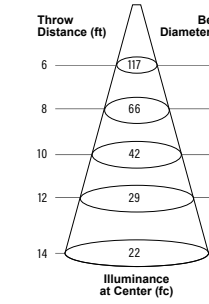
WATTS: 36.5	LPW: 98.1
LUMENS: 3581	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	11866
5	10541
15	4319
25	1485
35	927
45	179

40D 37° WITH SBL LENS



WATTS: 36.5	LPW: 98.2
LUMENS: 3586	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	6923
5	6742
15	4563
25	1954
35	973
45	183

55D 55° WITH SBL LENS



WATTS: 36.5	LPW: 98.3
LUMENS: 3587	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	4228
5	4208
15	3692
25	2439
35	1258
45	258

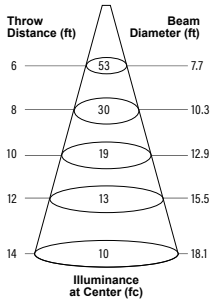
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

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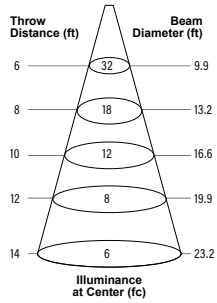
20LM

65D
66° WITH SBL LENS



WATTS: 19.7	LPW: 101.6
LUMENS: 2002	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	1884
5	1887
15	1810
25	1393
35	796
45	184

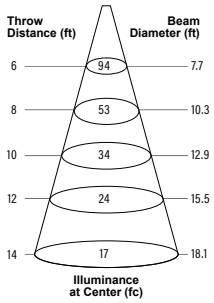
80D
79° WITH SBL LENS



WATTS: 19.7	LPW: 95.9
LUMENS: 1889	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	1154
5	1148
15	1104
25	1018
35	808
45	360

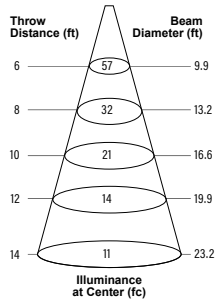
35LM

65D
66° WITH SBL LENS



WATTS: 36.5	LPW: 98
LUMENS: 3578	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	3367
5	3372
15	3235
25	2489
35	1422
45	329

80D
79° WITH SBL LENS

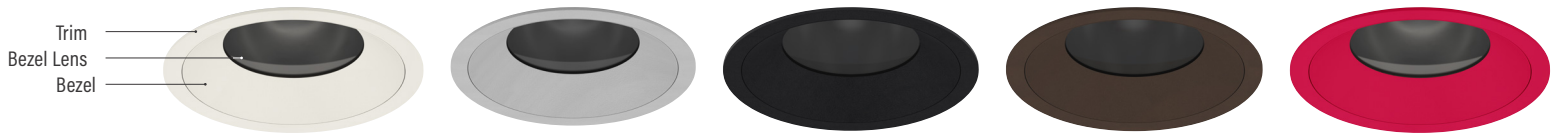


WATTS: 36.5	LPW: 92.5
LUMENS: 3376	CCT: 3500K
INTENSITY	
DEGREE	CANDELA
0	2061
5	2052
15	1973
25	1820
35	1443
45	642

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

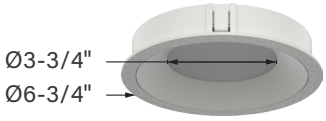
TRIM OPTIONS

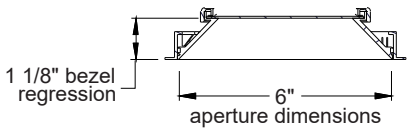
TRIM/BEZEL COLORS

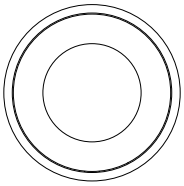


WH MC BK BZ CC

TRIMMED







ceiling cutout
6-3/8" diameter

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

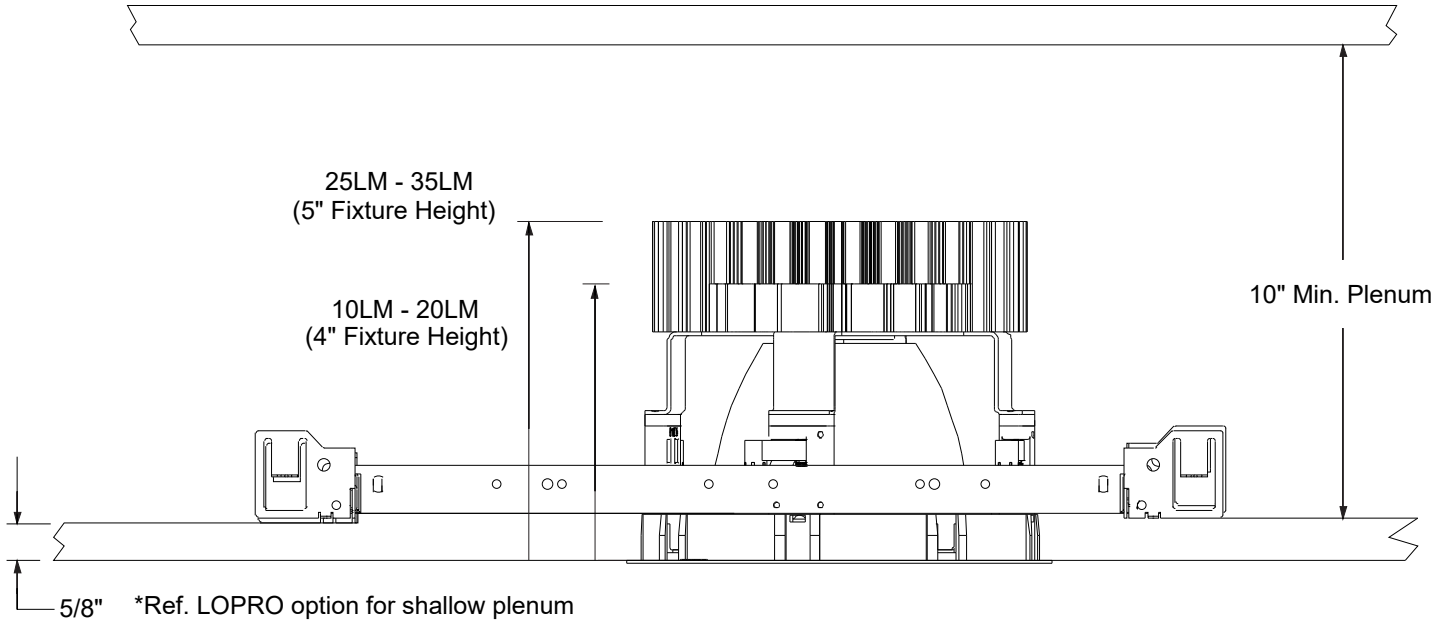
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

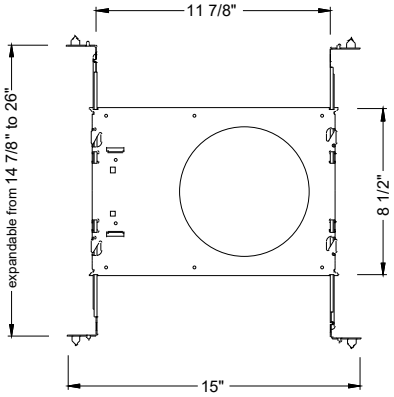
RATINGS / CERTIFICATIONS	NC	RET	IC	ICAT	CP
TYPE NON-IC	✔	✔			
TYPE IC			✔	✔	✔
CHICAGO PLENUM (CCEA)					✔
SUITABLE FOR AIR HANDLING PLENUMS	✔	✔	✔	✔	✔
REDUCED AIRFLOW (WITH LENS) ASTM E283	✔	✔	✔	✔	✔

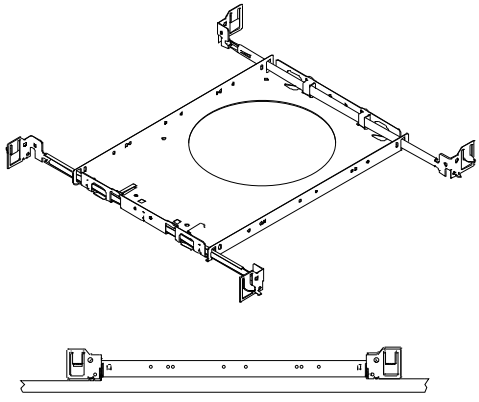
MOUNTING TYPE	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-1/4"

PLENUM HEIGHT



NEW CONSTRUCTION - NC



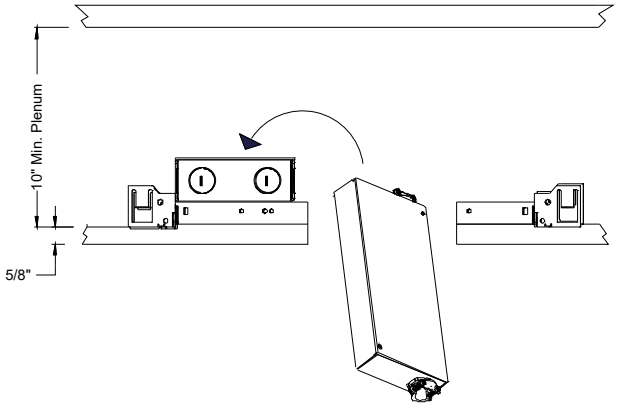


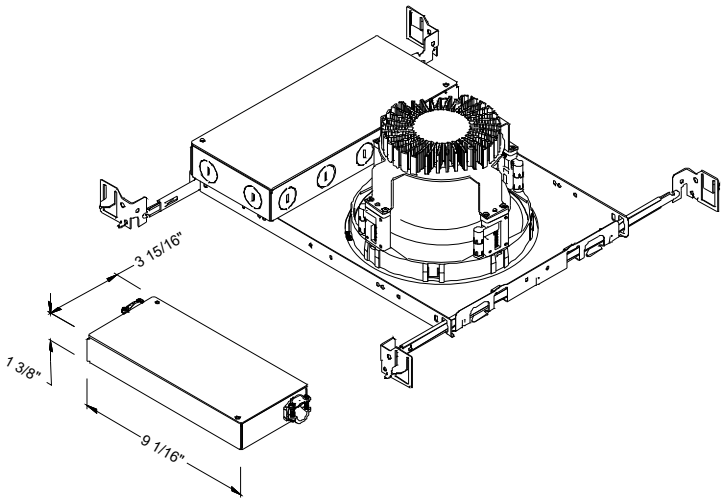
ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

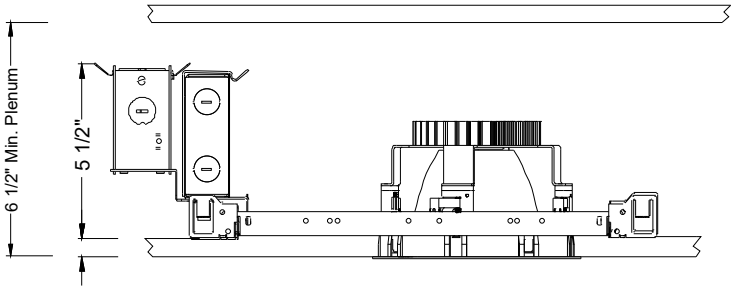
MOUNTING OPTIONS

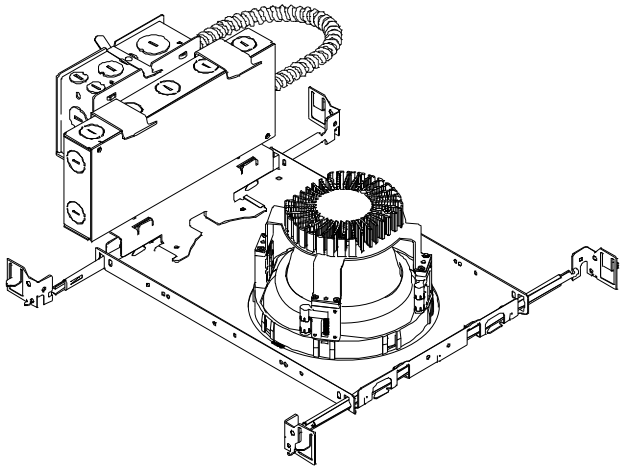
10LM-35LM (DIM10Z / DALIZ-DT6 / DALIZ-DT8)
(BELOW CEILING ACCESSIBLE)





10LM-35LM (DIM10Z / DALIZ-DT6 / DALIZ-DT8) - FIXED
(ABOVE CEILING ACCESS REQUIRED)

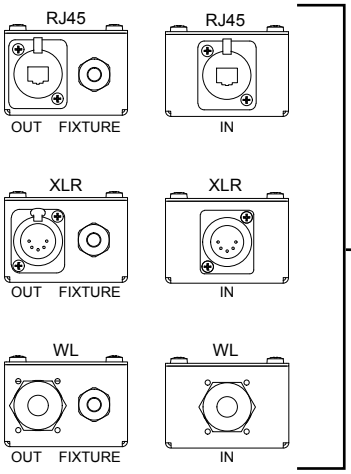


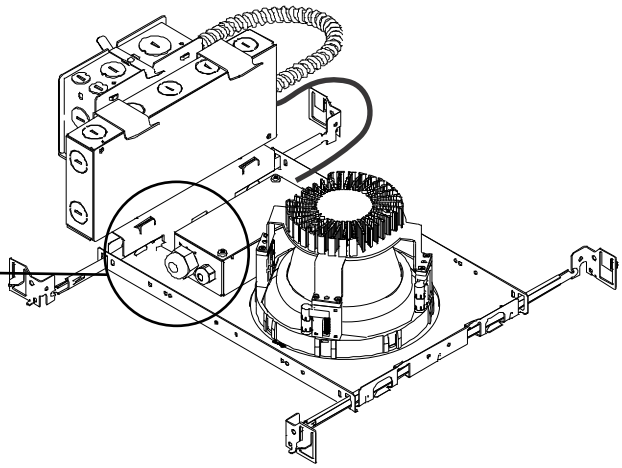


PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

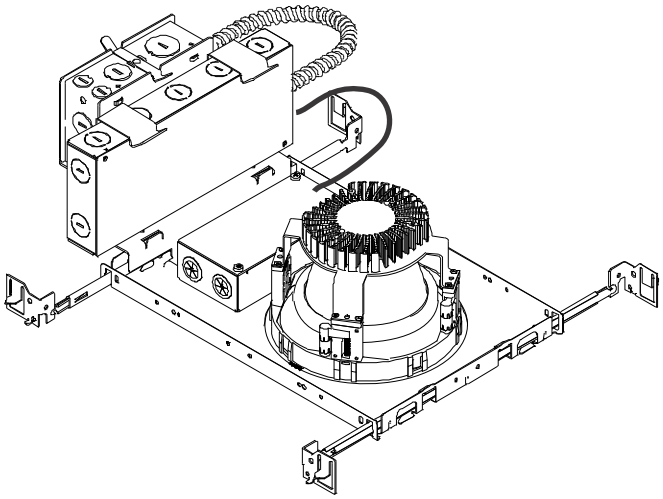
MOUNTING OPTIONS

10LM-35LM (DMX-WL / DMX-XLR / DMX -RJ45) - FIXED
(ABOVE CEILING ACCESS REQUIRED)





10LM-35LM (NLT) - FIXED
(ABOVE CEILING ACCESS REQUIRED)

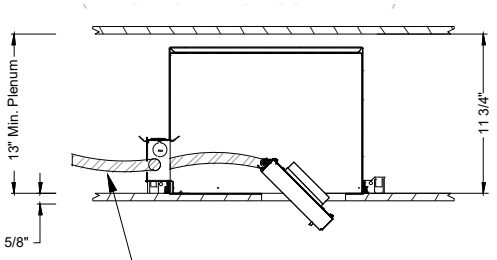


PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

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

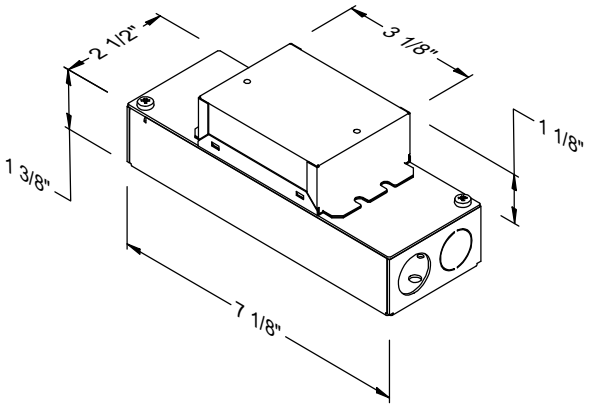
(BELOW CEILING ACCESSIBLE)

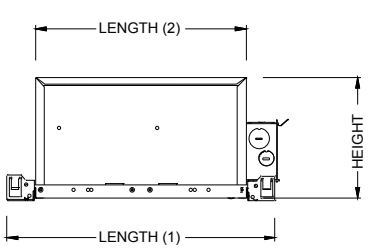


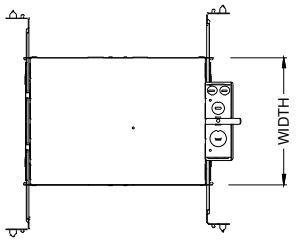
PASS THROUGH CONDUIT (BY OTHERS) TO DRIVER ELECTRICAL MAKE-UP BOX.

PROVIDE ENOUGH SLACK IN CONDUIT FOR FUTURE BELOW CEILING DRIVER SERVICABILITY.

FOR AIRTIGHT, SEAL ALL JOINTS, SEAMS, AND CONDUIT PENETRATIONS WITH 181 UL LISTED ALUMINUM FOIL TAPE (BY OTHERS).





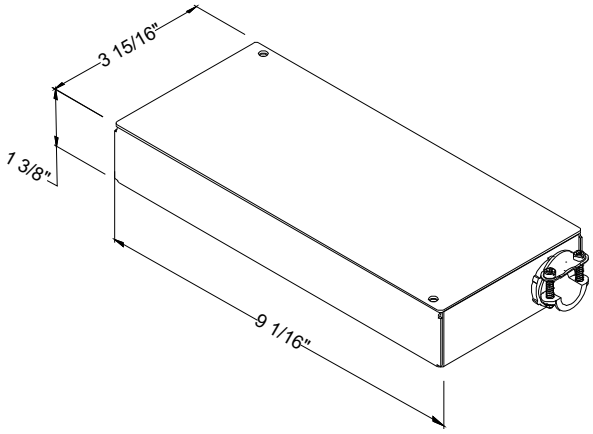


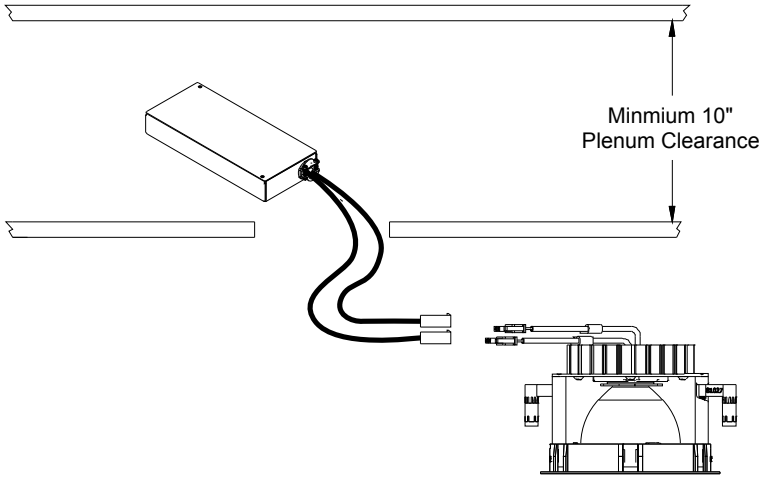
BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	11 - 3/4"
B	18 - 1/4"	14 - 7/8"	12 - 1/8"	14 - 7/8"

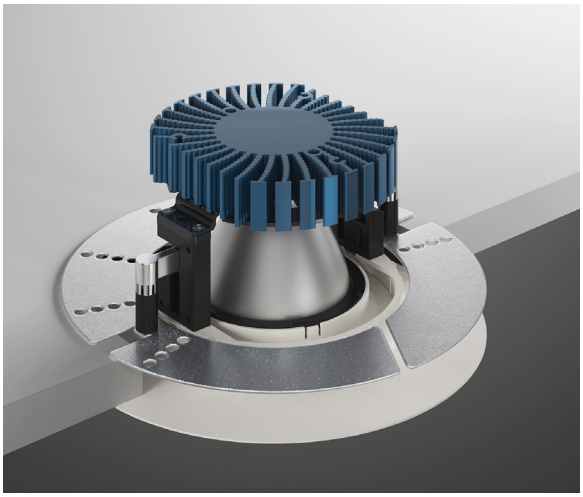
BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (15° - 80°)						
LUMEN OUTPUT	BOX-A			BOX-B		
	CP	IC	ICAT	CP	IC	ICAT
15LM	✔	✔	✔			
20LM	✔	✔	✔			
25LM	✔	✔	✔			
30LM				✔	✔	✔
35LM						

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

RETRO OPTIONS







NU6 SERIES - Goof Ring, Round

PRODUCT	ROUND CEILING HOLE CUTOUT RANGE[1]	GOOF RING SIZE	ORDERING CODE
NU6-RD NU6-RA NU6-RW	6.38" to 6.88"	OD = 9.0"	GF-6R-1-XX[2]
	6.89" to 7.5"		GF-6R-2-XX[3]
	7.51" to 8.0"		GF-6R-3-XX[3]
	8.01" to 8.5"	OD = 10.0"	GF-6R-4-XX[3]
	8.51" to 9.0"		GF-6R-5-XX[3]

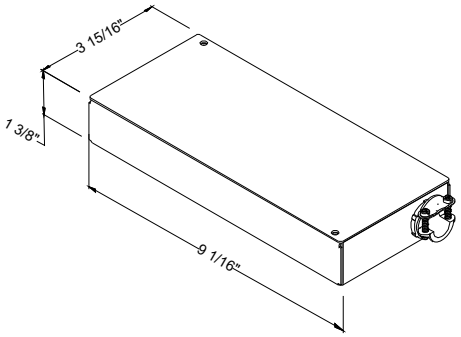
*Choose the appropriate range only if your ceiling cutout measurement falls within that range.
Example: - If your ceiling cutout is 7.75" inches, choose the range 7.51" to 8.0".
- If your ceiling cutout is 8.5" inches, choose the range 8.01" to 8.5".
*Upper goof ring not included.
*Upper goof ring included.
*XX - Indicates finish color. Only available in WH or BK. Complete ordering code by adding WH or BK to ordering code
Example: GF-6R-1-WH
*Accommodates max ceiling thickness up to 1 1/2".

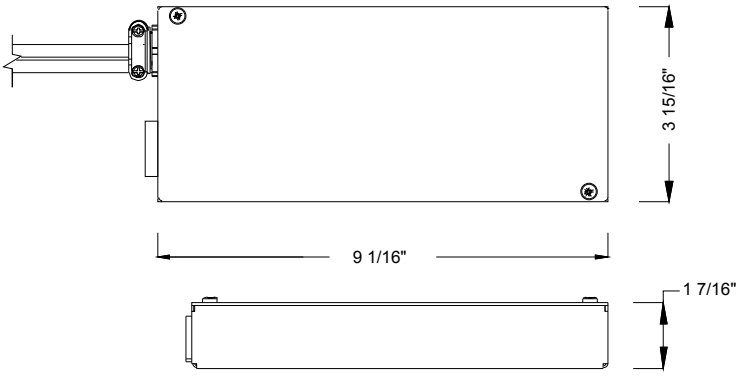
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

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

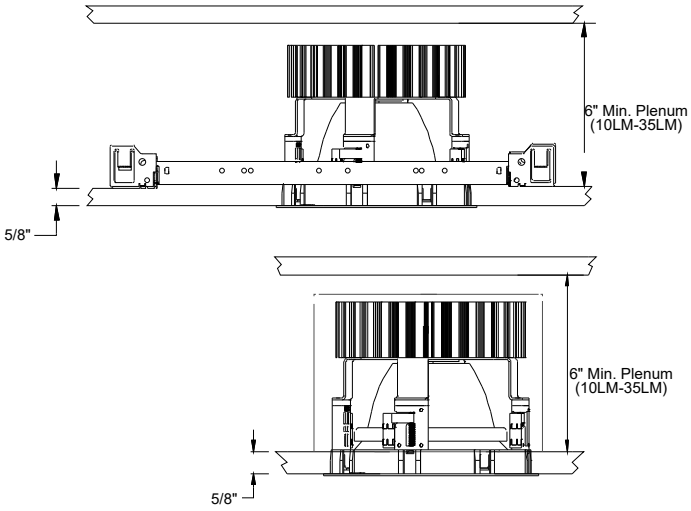




*Remote DX can power LEDs up to 330FT (18 AWG).
Customer will recieve a single remote compact driver per fixture.

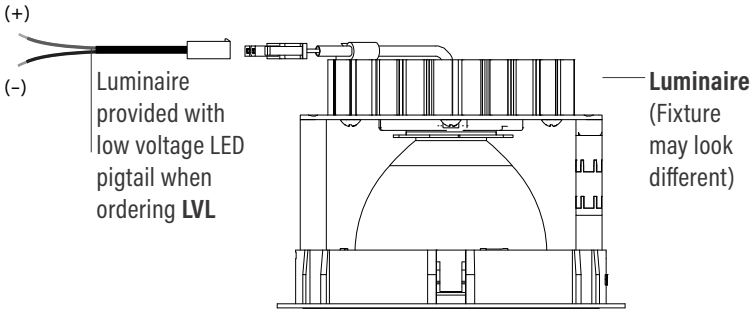
PLENUM HEIGHT

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



NOMINAL LED VOLTAGE: 36VDC

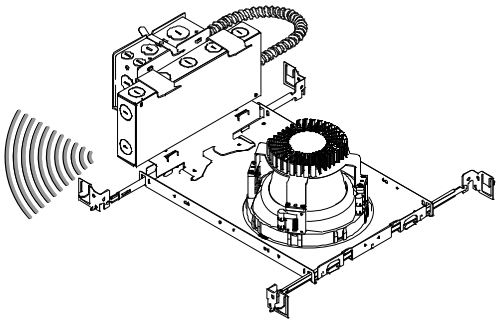
Customer to order CC Remote Driver separately or POE Node by others.



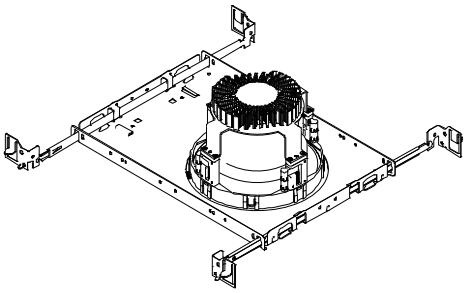
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

WIRELESS OPTIONS

NC - NEW CONSTRUCTION (15LM-20LM)
PLENUM SIDE



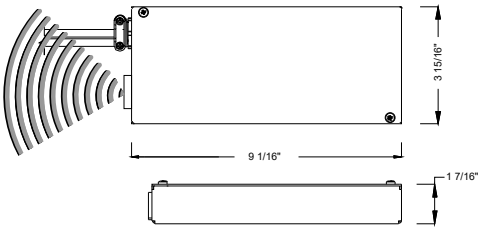
NC - NEW CONSTRUCTION (15LM-20LM)
DX REMOTE



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:
NU6 - RD - TW - 30LM - 2765 - 95 - 25D - SBL - WH - WH - NC - UNV - DIM10Z - AWND
NU6 - RD - TW - 30LM - 2765 - 95 - 25D - SBL - WH - WH - NC - LVL - DIM10Z - AWND - DX

RET - RETRO (15LM - 20LM)
PLENUM SIDE



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