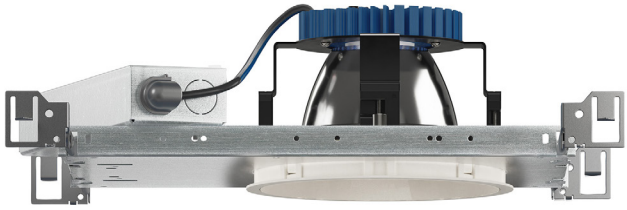
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

NU8

8" Round Downlight Tunable White

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





Trim

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
- 2" bezel regress with 1/16" micro flange
- 15° to 80° optical beam control
- UGR < 20
- 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%
- eldoLED flicker free DALI dimming to 0%
- Casambi dimming to 1%
- NLight control interface dimming to 0%

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 1-5/8"

LED

- Luminus tunable white COB: 95 CRI, R9 > 70: SDCM = 4-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs

LISTING

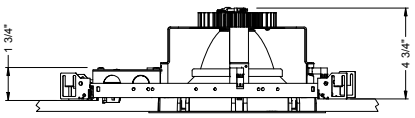
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- Non-conductive, dead-front construction (shower approved)
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- 5 Year Limited warranty

ELECTRICAL

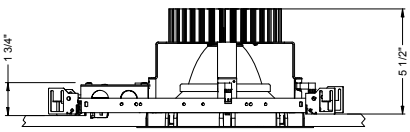
- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Remote and Integral (ITS) emergency test switch
- 7W, 10W (T20 CEC) and 12W EM 90min battery
- Max. ambient installation temperature 95°F (35°C)
- Low Voltage Luminaire option, see page 8.

FIXTURE HEIGHT

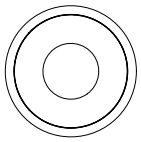
10LM-20LM LOW LUMEN



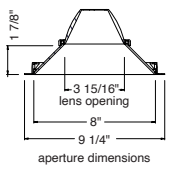
25LM-35LM HIGH LUMEN



TRIMMED (STANDARD)



ceiling cutout
8-1/2" diameter
ceiling thickness
1/8" to 1-5/8"



aperture dimensions

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE			
SERIES	NU8	NU8	
TYPE	RD	round downlight	
LED	TW	tunable white	
DELIVERED LUMENS	15LM	1510 lm	
	20LM	2010 lm	
	25LM	2500 lm	
	30LM	3050 lm	
	35LM	3590 lm	
	Standard Configuration: 3500K 95CRI 15D **Calculated Delivered Lumens** = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier]		
CCT	2765	2700K to 6500K tunable white	
CRI	95	95 CRI	
OPTIC & LM MULTIPLIER SEE PAGE 3	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 SEE PAGE 3	NL[2]	no lens	(1.05)
	CL	clear lens	(1.01)
	E[3]	elliptical beam spread	(0.97)
	DL	diffused lens	(0.98)
	HET	high efficiency textured lens, similar to Solite™	(1.00)
	SBL	smoothing beam lens	(1.00)
TRIM COLOR SEE PAGE 3	BK	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	WT	wheat	
	CC[4]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		
BEZEL COLOR SEE PAGE 3	BK	black	(0.98)
	WH	white	(1.00)
	BZ	bronze	(0.98)
	MC	matte chrome	(0.99)
	WT	wheat	(0.99)
	CC[4]	custom color, consult factory for details	
	Antimicrobial finish, add **AM** to black, white or matte chrome i.e. BKAM.		

ORDERING CODE		
MOUNTING OPTIONS SEE PAGE 6, 7	NC	new construction with ceiling fitting plate
	RET	retrofit, no ceiling fitting plate
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	DIM10Z[5]	eldoLED flicker free 0-10V dimming to 0%
	DALIZ	eldoLED flicker free DALI-2 dimming to 0%
	CAS	Casambi control with flicker free 1% dimming
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), 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.
ELECTRICAL OPTIONS	EM7[6]	emergency battery backup, 90 minutes at 7W to LED
	EM12[6]	emergency battery backup, 90 minutes at 12W to LED
	EM10CA20[6]	remote emergency battery backup, 90 minutes at 10W to LED, CA title 20

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"

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
NU8 - RD - TW - 20LM - 2765 - 95 - 25D - SBL - WH - WH - NC - 120 - DIM10Z - EM7

NOTES

1. HCL not available with lens.
2. NL option does not meet requirement for AT/DF/WET/NSF listings.
3. Actual beam distributions for optic (Actual beam distributions for optic (15D= 37° x 65°, 25D= 42° x 70°, 40D= 49° x 77°, 55D= 60° x 88°, 65D= 67° x 93°, 80D= 85° x 100°)
4. Custom set up fee plus minimum quantity required per color.
5. Requires 2 wall controllers, see page 7.
6. For integrated test switch add "ITS" after emergency backup code, i.e. EM12ITS. Test switch is mounted in the bezel of the fixture.

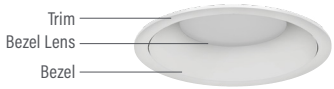
* EldoLED and DMX uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



WH



MC



BK



BZ



WT

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	8.2
25D	23	8.6
40D	34	8.9
55D	49	11.2
65D	56	12.3
80D	68	13.8

NL
No Lens



OPTIC	BEAM ANGLE	UGR
15D	16	11.3
25D	24	11.5
40D	37	11.6
55D	54	13.3
65D	66	14.4
80D	80	18.4

CL
Clear Lens



OPTIC	BEAM ANGLE	UGR
15D	17	11.2
25D	24	11.4
40D	37	11.7
55D	55	14.4
65D	67	15.2
80D	80	18.5

DL
Diffused Lens



OPTIC	BEAM ANGLE	UGR
15D	36	14.6
25D	41	15
40D	49	15.7
55D	61	17
65D	69	17.7
80D	85	19.7

HET
High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	20	11.4
25D	28	11.8
40D	38	12.4
55D	55	14.3
65D	65	15.4
80D	79	18.6

SBL
Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
15D	17	11.1
25D	25	11.4
40D	37	11.8
55D	55	13.7
65D	66	14.7
80D	79	18.5

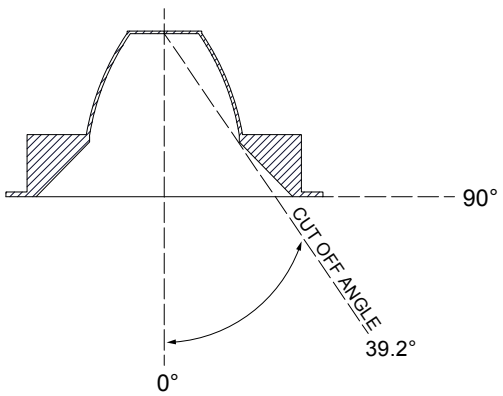
GLARE CONTROL

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 is 39.2° degrees;



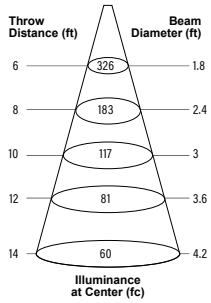
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

20LM

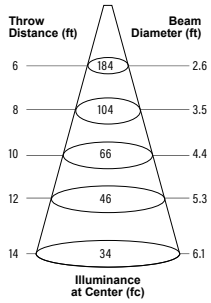
15D 17° WITH SBL LENS



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

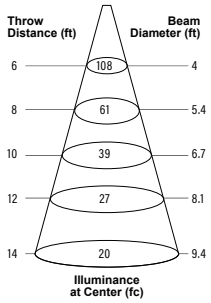
25D 25° WITH SBL LENS



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

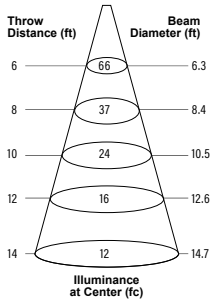
40D 37° WITH SBL LENS



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

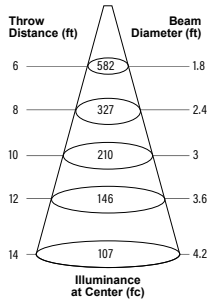


WATTS: 19.7	LPW: 101.9
LUMENS: 2007	CCT: 3500K

INTENSITY	
DEGREE	CANDELA
0	2366
5	2355
15	2066
25	1365
35	704
45	144

35LM

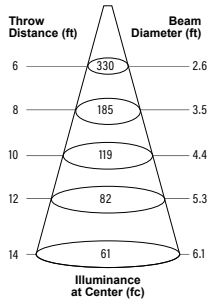
15D 17° WITH SBL LENS



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

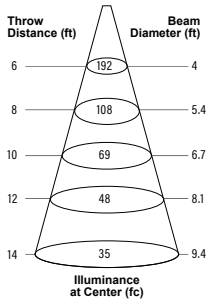
25D 25° WITH SBL LENS



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

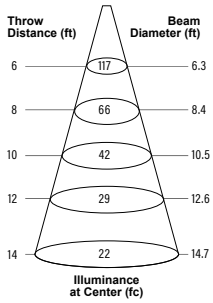
40D 37° WITH SBL LENS



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

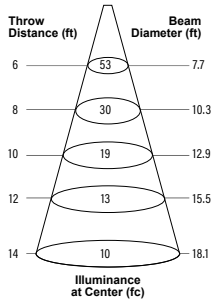
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

PHOTOMETRIC DATA

20LM

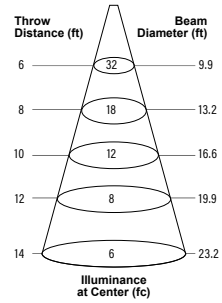
65D
66° WITH SBL LENS



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

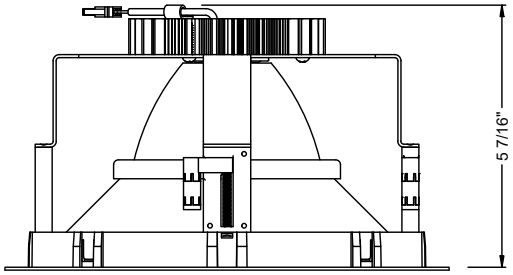
alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

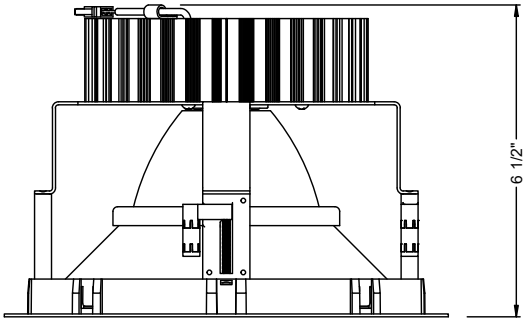
FIXTURE HEIGHT

10LM-20LM LOW LUMEN



TRIMMED

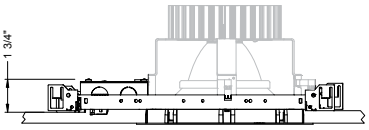
25LM-35LM HIGH LUMEN

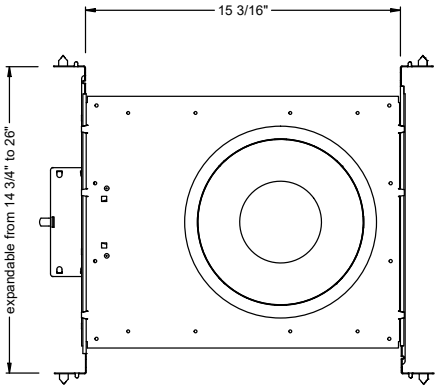


TRIMMED

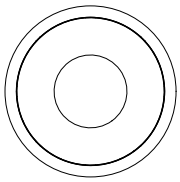
NC - NEW CONSTRUCTION

TRIM

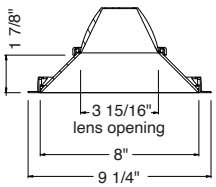




TRIMMED (STANDARD)



ceiling cutout
8-1/2" diameter
ceiling thickness
1/8" to 1-5/8"



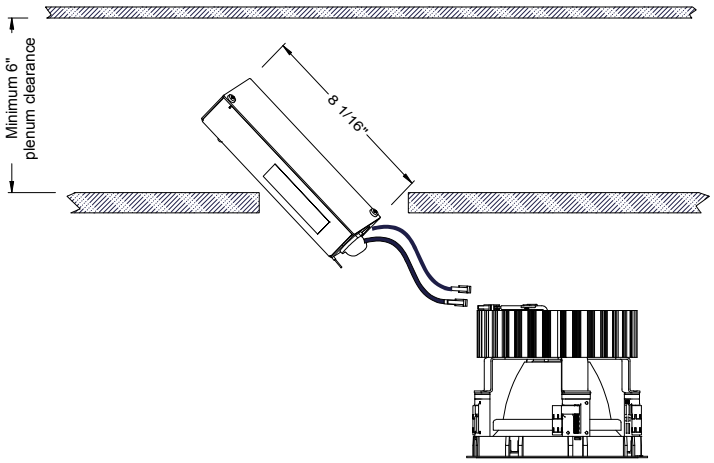
aperture dimensions

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS (CONTINUED)

RET - RETRO
TRIM/TRIMLESS



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

CEILING THICKNESS	
FIXTURE TYPE	MOUNTING TYPE
	NC, RET
	STANDARD CEILING THICKNESS
TRIM	1/8" to 1-5/8"

alphabet

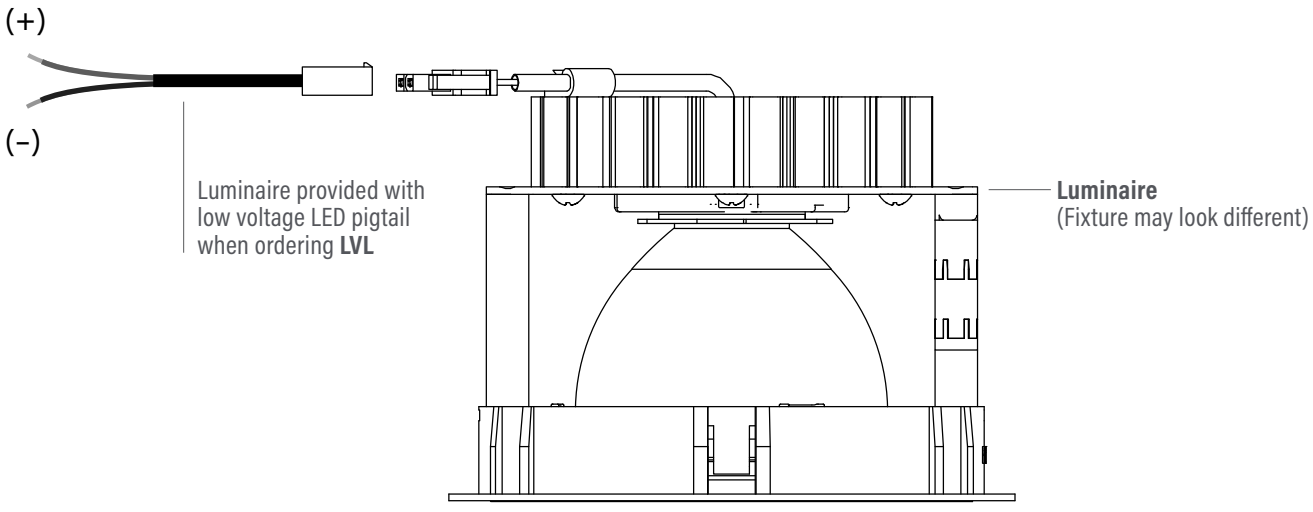
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

LOW VOLTAGE OPTIONS

15° - 80° BEAM (Note: Specifications are subject to change without notice)			
18mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	**NOMINAL DELIVERED LUMENS**	**DRIVE CURRENT**	**LED WATTAGE**
15LM	1510LM @35K/95CRI	350mA	13W
20LM	2010LM @35K/95CRI	500mA	17W
25LM	2500LM @35K/95CRI	650mA	22W
30LM	3050LM @35K/95CRI	800mA	26W
35LM	3590LM @35K/95CRI	950mA	32W

NOMINAL LED VOLTAGE: 36VDC

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



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.