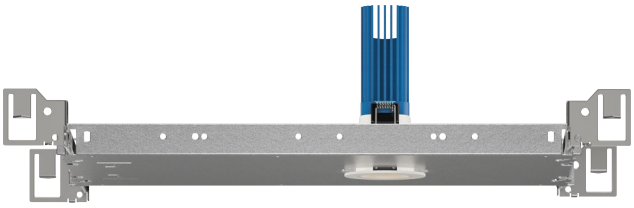
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

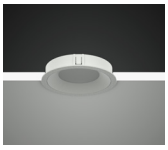
NU1

1" Round Deep Regress Tunable White

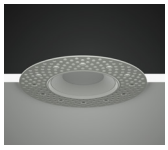
NSF · AT airtight · PR plenum rated · wet rated

20° - 50° BEAM (Note: Specifications are subject to change without notice)			
6mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
07LM	620LM @30K/95CRI	175mA	7W
Notes	Delivered lumens based on 50D optic with no lens, (see page 2)		





Trim



Trimless



Trimless Millwork

FEATURES

- 3/4" bezel regress with 1/16" micro flange
- 20° - 50° optical beam control
- UGR < 19
- Up to 60 LPW
- 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 2 dimming to 0%
- Casambi dimming to 0%
- NLight control interface dimming to 0%
- All driver offerings are remote with above ceiling access, see page 3 for details.
- Refer to DX remote panels for additional options.

CONSTRUCTION

- High-grade die-cast and cold forged aluminum alloy assembly that has superior thermal and corrosion resistance properties.
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-1/2", On-field thick ceiling adjustment

LED

- Luminus tunable white COB from 2700K - 6500K: 95 CRI, R9 > 70: SDCM = 4-step MacAdam Ellipse; Lumen Maintenance: L_{70} > 54,000 hrs

LISTING

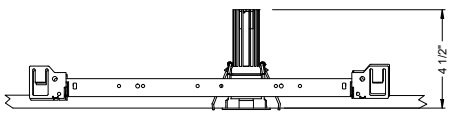
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP65 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

ELECTRICAL

- Low voltage luminaire: 36Vdc nominal
- 07LM - 175mA

FIXTURE HEIGHT

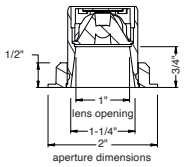
LED LIGHT ENGINE: 07LM



TRIMMED

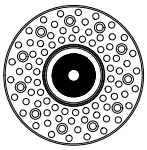


ceiling cutout
1-3/4" diameter
ceiling thickness
1/8" to 1-1/2"

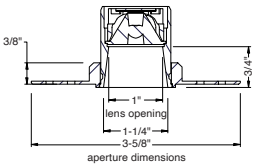


aperture dimensions

TRIMLESS



ceiling cutout
1-3/4" diameter
ceiling thickness
1/8" to 1-1/2"

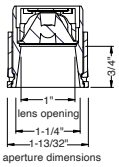


aperture dimensions

MILLWORK



ceiling cutout
1-7/16" diameter
ceiling thickness
1/8" to 1-1/2"



aperture dimensions

alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

ORDERING CODE

SERIES	**NU1**	NU1
TYPE	**RDDR**	round downlight deep regress
	RDTDR	round downlight trimless deep regress
	RDTMWDR	round downlight trimless millwork deep regress
LED	**TW**	tunable white (Luminus)
DELIVERED LUMENS	**07LM**	620 lm
	Standard Configuration: 3000K 50D, **NL**	
	Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]	
CCT	**2765**	2700K to 6500K tunable white

CCT	2700K	3000K	3500K	4000K	5000K	5700K	6500K
CCT MULTIPLIER FOR LUMEN OUTPUT	0.91	0.98	1.00	0.99	1.00	1.01	1.02
EML RATIO	0.49	0.57	0.68	0.79	0.96	1.04	1.12

CRI	**95**	95 typical, 90 minimum	
OPTIC & LM MULTIPLIER SEE PAGE 6	**20D**[1]	20 degrees	(0.94)
	30D	30 degrees	(0.97)
	40D	40 degrees	(0.96)
	50D	50 degrees	(1.00)
BEZEL LENS SEE PAGE 5	**NL**[2]	no lens	(1.00)
	CL	clear lens	(0.93)
	DL	diffused lens	(0.81)
	HCL	honeycomb louver	(0.65)
	HET	high efficiency textured lens, similar to Solite™	(0.91)
	SBL	smoothing beam lens	(0.92)
	Maximum 2pcs of media per fixture.		
TRIM COLOR SEE PAGE 5	**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.		
	Not applicable to trimless option. Do not include in trimless ordering code.		
BEZEL COLOR SEE PAGE 5	**BK**	black	(0.98)
	WH	white	(1.00)
	MC	matte chrome	(0.99)
	BZ	bronze	(0.98)
	CC[3]	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 7, 8	**NC**	new construction plate
	IC[4]	insulation contact housing
	ICAT[4]	insulation contact/airtight housing
	CP[4]	chicago plenum housing
	RET	retrofit, no ceiling plate
	remote driver housing only	
VOLTAGE	**LVL**	low voltage luminaire
DIMMING	**ND**	No driver included. See page 3 for remote driver options.

YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:

NU1 - RDDR - TW - 07LM - 2765 - 95 - 30D - HET - WH - WH - NC - LVL - ND

NOTES

1. 20D available with DL, E, HET, SBL lens options.
2. NL option does not meet requirements for AT/WET/NSF listings.
3. Custom set up fee plus minimum quantity required per color.
4. IC/ICAT/CP not available in RDTMWDR.

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

REMOTE DRIVER - ORDERING CODE		
SERIES	DX-C	compact driver box
NUMBER OF DRIVERS	1	number of drivers, 1
LED	TW	tunable white
CURRENT	175	175mA
VOLTAGE	120	120V
	UNV	120V-277V
DIMMING	DIM10Z	eldoLED flicker free 0-10V dim 0.1%
	DALIZ	eldoLED flicker free DALI-2 dim to 0.1%
	NLT	nLight control interface: Cat-5/RJ45, dim to off
	CASZ	Casambi dim to zero

YOUR COMPLETED ORDERING CODE
Follow the steps to specify your fixture, example:
DX-C - 1 - TW - 175 - UNV - DIM10Z

NOTES

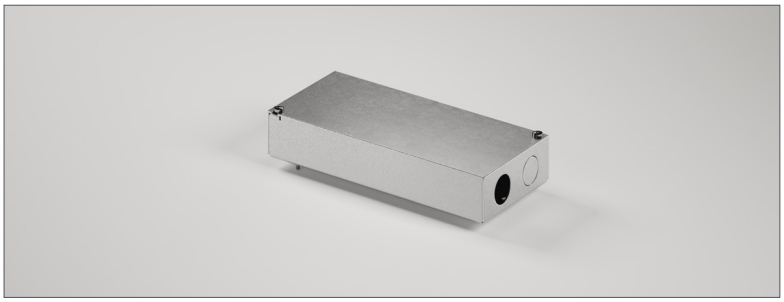
* EldoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e. DIM10LIN.

20° - 50° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
07LM	620LM @30K/95CRI	11W
Notes	Delivered lumens based on 45D optic with no lens, (see page 2)	

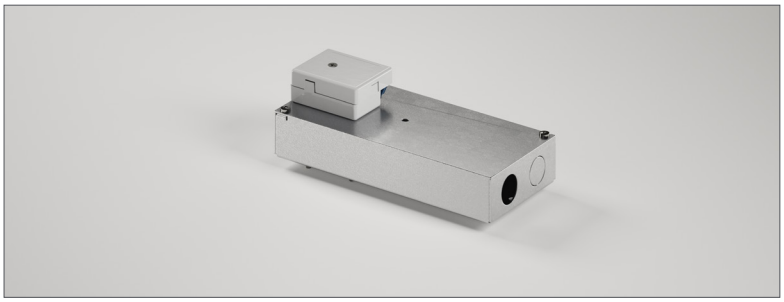
ELECTRICAL/CONTROLS

- 120V-277V
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Max. ambient installation temperature 95°F (35°C)
- Minimum wire gauge approved mounting distance 18 AWG, 330 feet
- Maximum Remote mounting distance of EM driver shall be 50 feet

REMOTE SINGLE DRIVER BOX (DIM10Z & DALIZ)



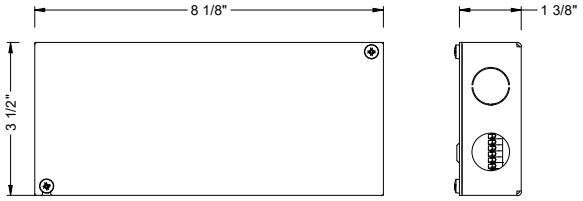
REMOTE SINGLE DRIVER BOX (NLT & CASZ)

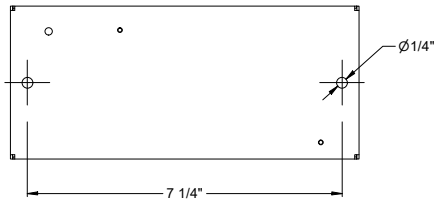


PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

DRIVER BOXES

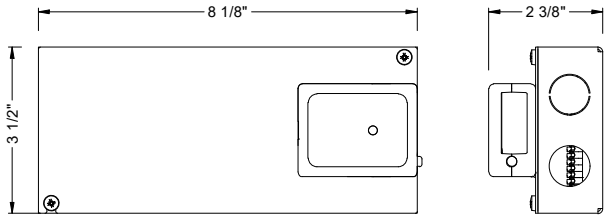
REMOTE SINGLE DRIVER BOX (DIM10Z & DALIZ)

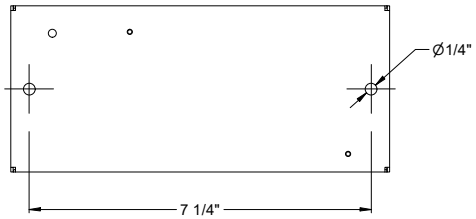




Wall mount option

REMOTE SINGLE DRIVER BOX (NLT & CASZ)





Wall mount option

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



WH



MC



BK



BZ

OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 07LM BK bezel fixtures, unless otherwise noted.

HCL

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
30D	25	8.4
40D	32	11.2
50D	38	17.1

NL

No Lens



OPTIC	BEAM ANGLE	UGR
30D	30	10.2
40D	38	14.2
50D	47	21.8

CL

Clear Lens



OPTIC	BEAM ANGLE	UGR
30D	30	9.8
40D	38	14.1
50D	47	21.3

DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
20D	34	14.5
30D	38	16.5
40D	42	18.7
50D	51	20.8

HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
20D	23	9.8
30D	30	11.8
40D	36	15.5
50D	46	20.8

SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
14D	15	9.6
20D	19.7	9.2
30D	28.8	10.5
40D	35.4	14.7
50D	46.4	21

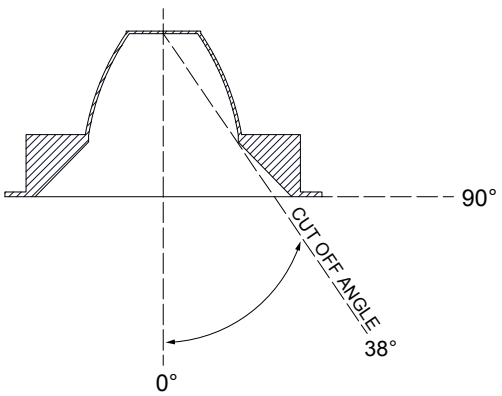
GLARE CONTROL

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.

- Cut-off angle of NL and CL is 38°

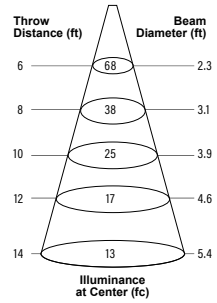


alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

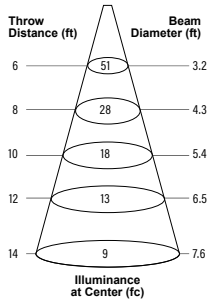
PHOTOMETRIC DATA

20D
22° WITH SBL LENS



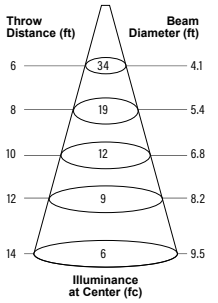
WATTS: 7	LPW: 75.5
LUMENS: 528	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2457
5	2160
15	705
25	135
35	40
45	27

30D
30° WITH NO LENS



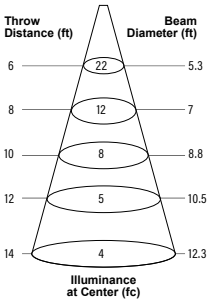
WATTS: 7	LPW: 84.3
LUMENS: 590	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1824
5	1690
15	924
25	216
35	45
45	25

40D
38° WITH NO LENS



WATTS: 7	LPW: 83.9
LUMENS: 587	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1234
5	1194
15	861
25	301
35	74
45	31

50D
48° WITH NO LENS



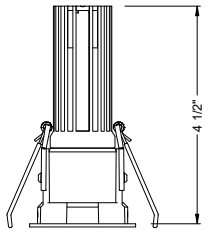
WATTS: 7	LPW: 88.5
LUMENS: 620	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	788
5	766
15	624
25	360
35	177
45	68

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

FIXTURE HEIGHT

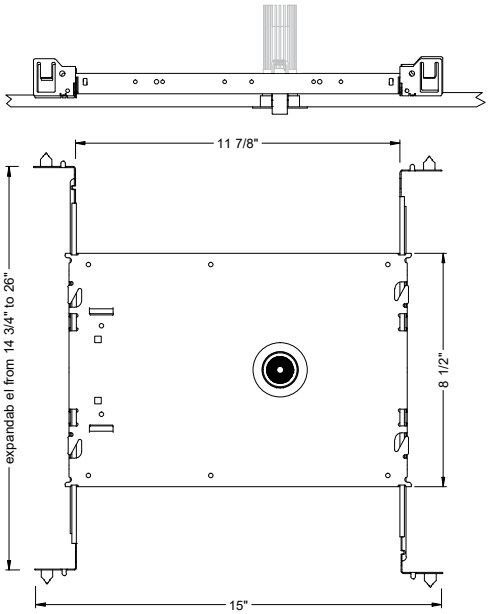
LED LIGHT ENGINE: 07LM



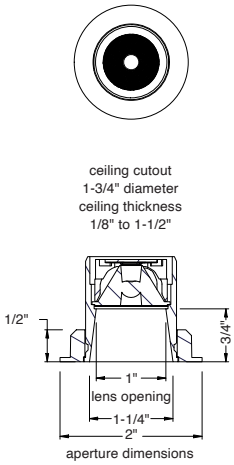
TRIMMED, TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

TRIM

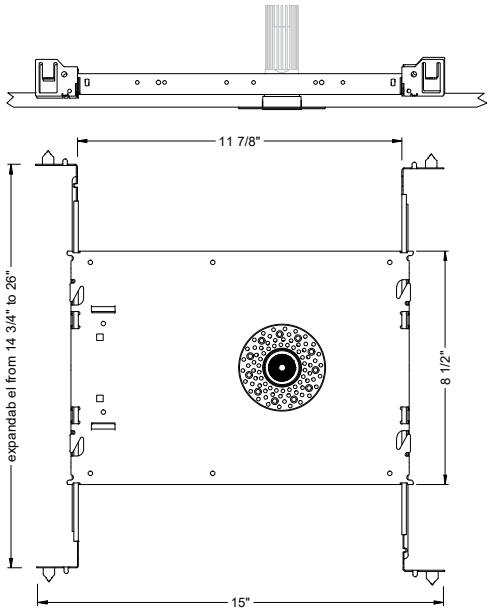


TRIM

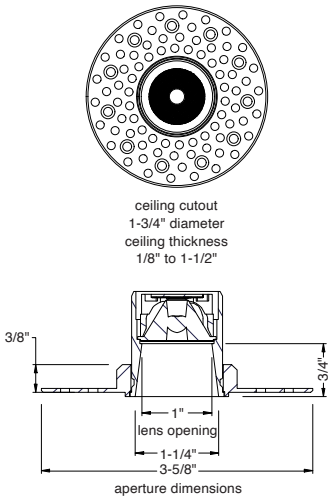


ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

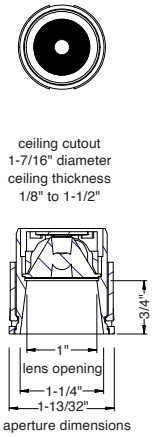
TRIMLESS



TRIMLESS



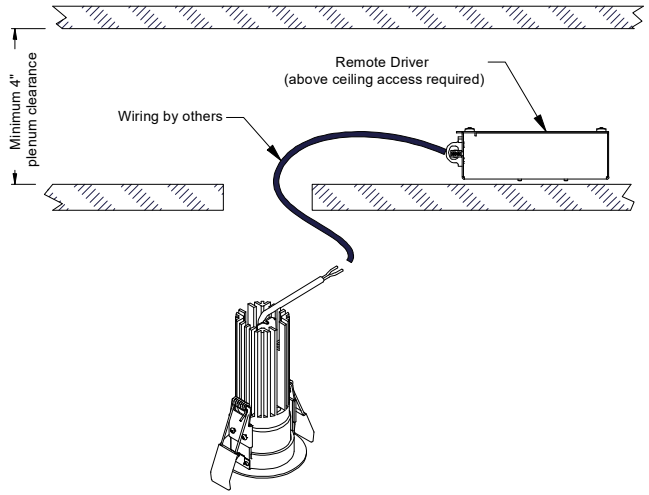
TRIMLESS/MILLWORK



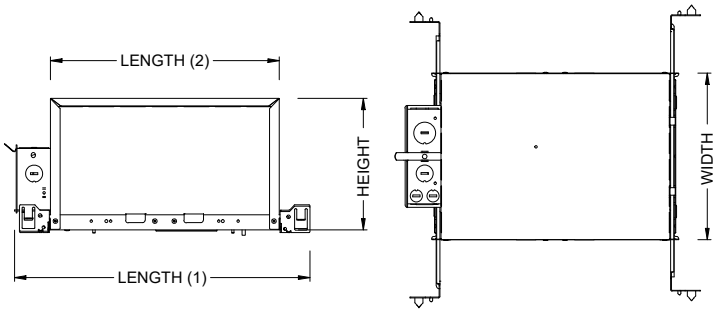
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

RET - RETRO
TRIM/TRIMLESS



IC - INSULATION CONTACT HOUSING
ICAT - INSULATION CONTACT / AIR TIGHT
CP - CHICAGO PLENUM

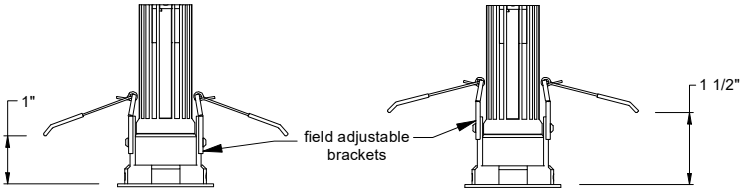


BOX SIZE	L1	L2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"

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

BOX TYPE / LUMEN OUTPUT - STANDARD BEAMS (12°-60°)			
LUMEN OUTPUT	BOX-A		
	CP	IC	ICAT
07LM	✔	✔	✔

CEILING THICKNESS		
FIXTURE TYPE	MOUNTING TYPE	
	NC, IC, ICAT, CP, RET	NC, IC, ICAT, CP, RET
	STANDARD CEILING THICKNESS	THICK CEILING THICKNESS
TRIM	1/8" to 1.0"	1.0" to 1 1/2"
TRIMLESS	1/8" to 1.0"	1.0" to 1 1/2"
MILLWORK (TRIMLESS)	1/8" to 1.0"	1.0" to 1 1/2"



1/8" to 1" thick ceiling

1" to 1-1/2" thick ceiling