

alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

NU1

1" Square Deep Regress Tunable White



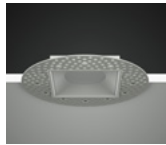
20° - 50° BEAM (Note: Specifications are subject to change without notice)			
6mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
07LM	620LM @30K/95CRI	175mA	7W
Notes	Delivered lumens based on 50D optic with no lens, (see page 2)		



eldoLED
your moment | our drive



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

LED

- Luminus tunable white COB from 2700K - 6500K: 95 CRI, R9 > 70: SDCM = 4-step MacAdam Ellipse; Lumen Maintenance: L₇₀ > 54,000 hrs

DIMMING AND CONTROLS

- eldoLED flicker free 0-10V dimming to 0%
- eldoLED flicker free DALI 2 dimming to 0%
- Casambi bluetooth 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.

LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP44 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

CONSTRUCTION

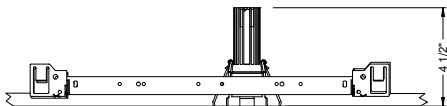
- High-grade die-cast and cold forged aluminum alloy assembly that has superior thermal and corrosion resistance properties.
- Shatter proof acrylic bezel lens
- Electrocoated 16-gauge cold-rolled steel construction
- Accommodates ceiling thickness from 1/8" to 1-1/2", On-field thick ceiling adjustment

ELECTRICAL

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

FIXTURE HEIGHT

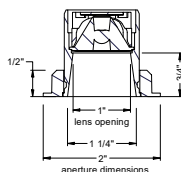
LED LIGHT ENGINE: 07LM



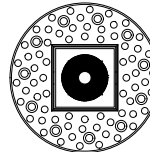
TRIMMED



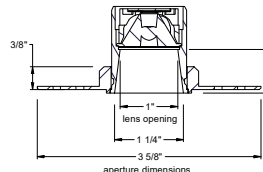
ceiling cutout
1-3/4" square
ceiling thickness
1/8" to 1 1/2"



TRIMLESS



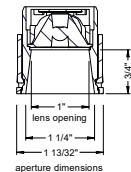
ceiling cutout
1-3/4" square
ceiling thickness
1/8" to 1 1/2"



MILLWORK



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



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PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

ORDERING CODE																									
SERIES	NU1 NU1																								
TYPE	QDDR square downlight deep regress QDDRT square downlight deep regress trimless QDDRTMW square downlight deep regress trimless millwork																								
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 <table border="1"> <thead> <tr> <th>CCT</th> <th>2700K</th> <th>3000K</th> <th>3500K</th> <th>4000K</th> <th>5000K</th> <th>5700K</th> <th>6500K</th> </tr> </thead> <tbody> <tr> <td>CCT MULTIPLIER FOR LUMEN OUTPUT</td> <td>0.91</td> <td>0.98</td> <td>1.00</td> <td>0.99</td> <td>1.00</td> <td>1.01</td> <td>1.02</td> </tr> <tr> <td>EML RATIO</td> <td>0.49</td> <td>0.57</td> <td>0.68</td> <td>0.79</td> <td>0.96</td> <td>1.04</td> <td>1.12</td> </tr> </tbody> </table>	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
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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	20D¹ 20 degrees (0.94) 30D 30 degrees (0.97) 40D 40 degrees (0.96) 50D 50 degrees (1.00)																								
BEZEL LENS SEE PAGE 5	NL² 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 WT wheat CC³ 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) WT wheat (0.99) CC³ 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 with ceiling fitting plate
	IC⁴ insulation contact housing
	ICAT⁴ insulation contact/airtight housing
	CP⁴ chicago plenum housing
	RET retrofit, no ceiling fitting 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 - QDDR - TW - 07LM - 2765 - 95 - 30D - HET - WH - WH - NC - LVL - ND	

NOTES

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

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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
CURRENT	175	175mA
VOLTAGE	120 UNV	120V 120V-277V
DIMMING	DIM10Z	eldoLED flicker free 0-10V dimming to 0%
	DALIZ	eldoLED flicker free DALI 2 dimming to 0%
	NLT	nLight control interface: standard Cat-5/RJ45 connection (female), dim to off
	CASZ	Casambi Bluetooth dim to zero

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 60D optic with no lens, (see page 2)	

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

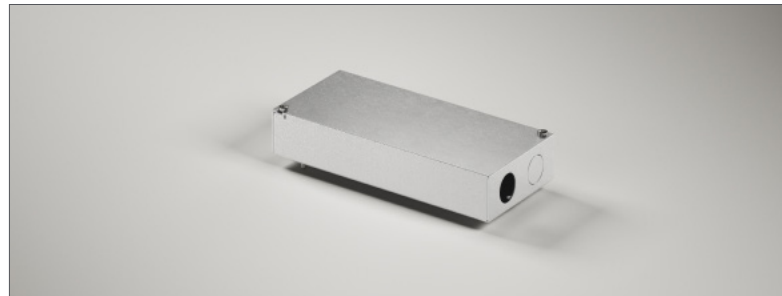
ELECTRICAL/CONTROLS

- 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

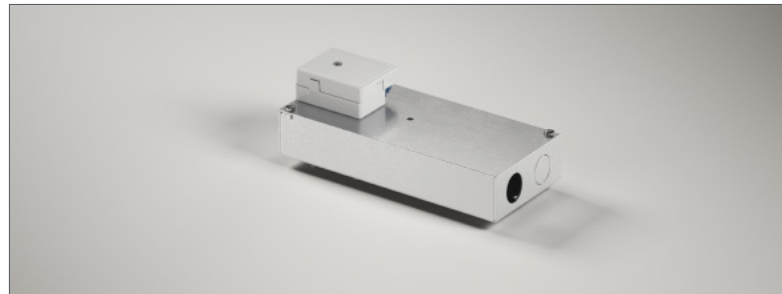
NOTES

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

REMOTE SINGLE DRIVER BOX (DIM10Z & DALIZ)



REMOTE SINGLE DRIVER BOX (NLT & CASZ)

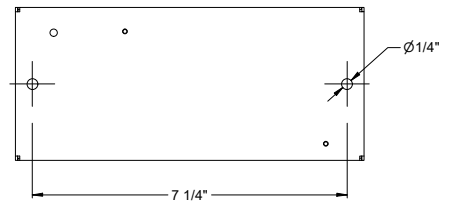
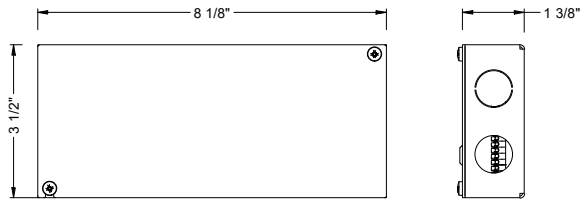


alphabet

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JOB NAME		TYPE
ORDERING CODE		

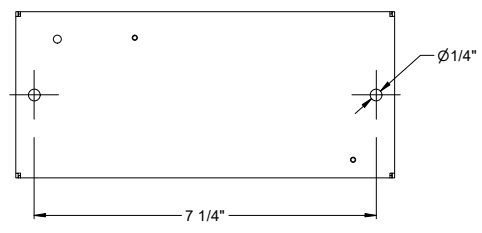
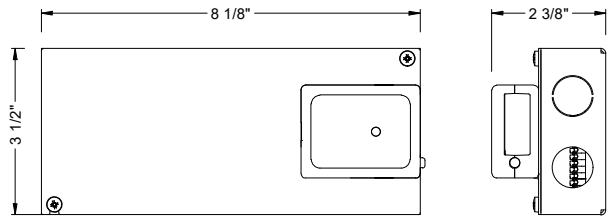
DRIVER BOXES

REMOTE SINGLE DRIVER BOX (DIM10Z & DALIZ)



Wall mount option

REMOTE SINGLE DRIVER BOX (NLT & CASZ)



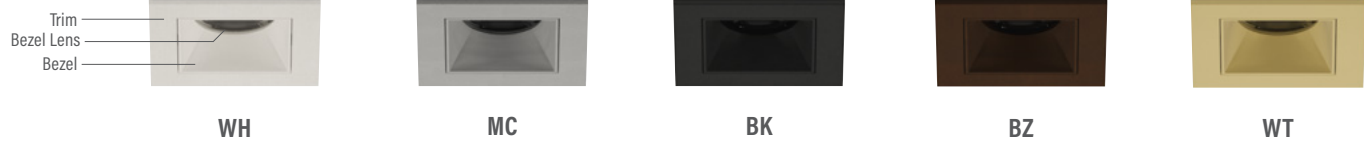
Wall mount option

alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

TRIM OPTIONS

TRIM/BEZEL COLORS



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.



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



OPTIC	BEAM ANGLE	UGR	UGR15LM
30D	30	10.2	21.4
40D	38	14.2	22.2
50D	47	21.8	24.6
			29



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



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



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



OPTIC	BEAM ANGLE	UGR
20D	22	9.2
30D	29	10.5
40D	35	14.7
50D	46	21

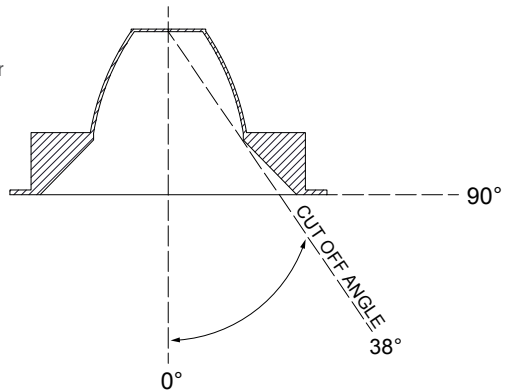
GLARE CONTROL

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°



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PROJECT INFORMATION		
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PHOTOMETRIC DATA

20D 22° WITH SBL LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	2.3
8	3.1
10	3.9
12	4.6
14	5.4
Illuminance at Center (fc)	
68	3.8
25	17
13	
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	
Throw Distance (ft)	Beam Diameter (ft)
6	3.2
8	4.3
10	5.4
12	6.5
14	7.6
Illuminance at Center (fc)	
51	28
18	13
9	
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	
Throw Distance (ft)	Beam Diameter (ft)
6	4.1
8	5.4
10	6.8
12	8.2
14	9.5
Illuminance at Center (fc)	
34	19
12	9
6	
WATTS: 7	LPW: 83.9
LUMENS: 587	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1234
5	1194
15	861
25	301
35	74
45	31

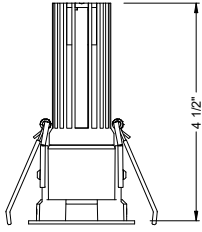
50D 48° WITH NO LENS	
Throw Distance (ft)	Beam Diameter (ft)
6	5.3
8	7
10	8.8
12	10.5
14	12.3
Illuminance at Center (fc)	
22	12
8	5
4	
WATTS: 7	LPW: 88.5
LUMENS: 620	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	788
5	766
15	624
25	360
35	177
45	68

PROJECT INFORMATION		
JOB NAME		TYPE
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MOUNTING OPTIONS

FIXTURE HEIGHT

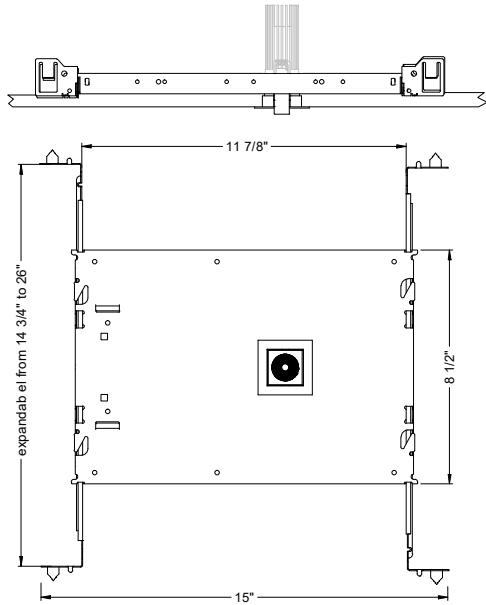
LED LIGHT ENGINE: 07LM



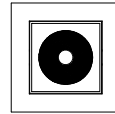
TRIMMED, TRIMLESS & MILLWORK

NC - NEW CONSTRUCTION

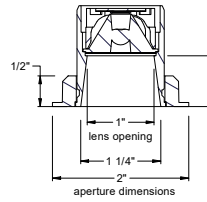
TRIM



TRIM

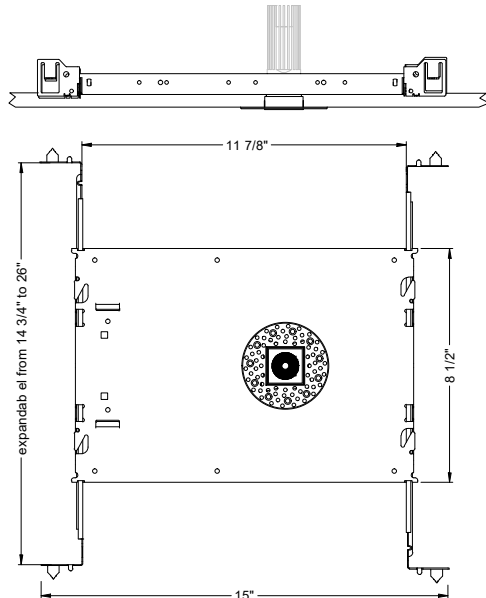


ceiling cutout
1-3/4" square
ceiling thickness
1/8" to 1 1/2"

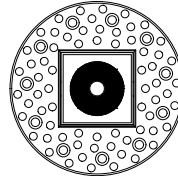


ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	Extends a pair of Bar Hangers Total Mounting Length: 29" to 48"

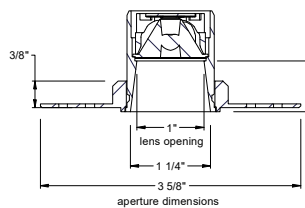
TRIMLESS



TRIMLESS



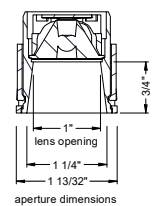
ceiling cutout
1-3/4" square
ceiling thickness
1/8" to 1 1/2"



TRIMLESS/MILLWORK



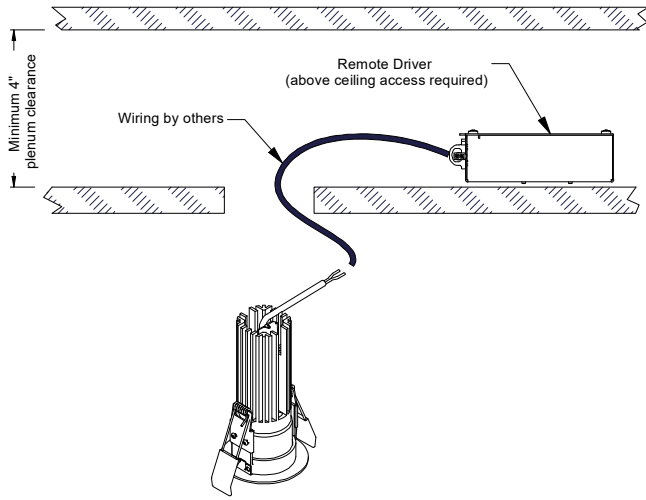
ceiling cutout
1-7/16" square
ceiling thickness
1/8" to 1 1/2"



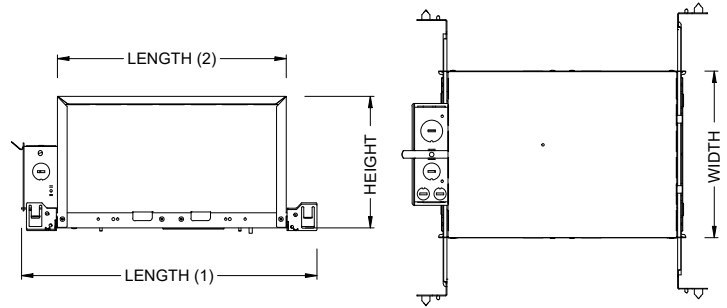
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MOUNTING OPTIONS

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	✓	✓	✓

FIXTURE TYPE	CEILING THICKNESS		
	MOUNTING TYPE		
	NC, IC, ICAT, CP, RET	NC, IC, ICAT, CP, RET	NC, IC, ICAT, CP, RET
	STANDARD CEILING THICKNESS	THICK CEILING THICKNESS	CEILING CUTOUT
TRIM	1/8" to 1.0"	1.0" to 1 1/2"	1-3/4" square
TRIMLESS	1/8" to 1.0"	1.0" to 1 1/2"	1-3/4" square
MILLWORK (TRIMLESS)	1/8" to 1.0"	1.0" to 1 1/2"	1-7/16" square

