alphabet

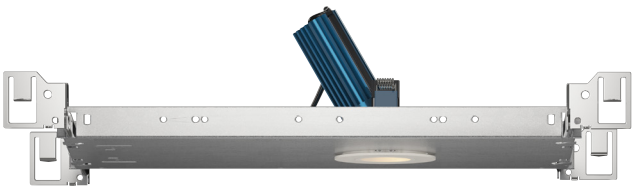
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

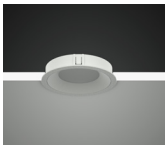
NU1

1" Round Adjustable Tunable White

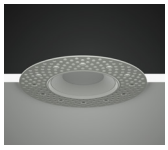
NSF · AT airtight · PR plenum rated · wet rated

20° - 55° BEAM (Note: Specifications are subject to change without notice)			
6mm COB PERFORMANCE DATA			
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	DRIVE CURRENT	LED WATTAGE
07LM	660LM @30K/95CRI	175mA	7W
Notes	Delivered lumens based on 55D optic with no lens, (see page 2)		





Trim



Trimless



Trimless Millwork

FEATURES

- True 30° Tilt with <6% beam disruption (clipping)
- Zero ceiling line obstruction at Full Tilt
- Concentric Tilt Tracking ensures minimal light loss
- 20° - 55° optical beam control
- UGR < 19
- 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 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, see page 8

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

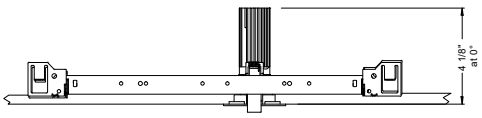
- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- IP44 with lens - Suitable for wet locations with lens - Suitable for damp locations without lens
- NSF/ANSI-2 with lens (Non-Food and Splash Zones)
- **Declare.** - LBC Red List Approved
- 5 Year Limited warranty

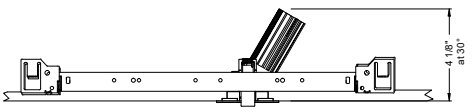
ELECTRICAL

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

FIXTURE HEIGHT

LED LIGHT ENGINE: 07LM



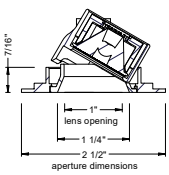


TRIMMED



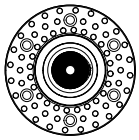
ceiling cutout
2-1/8" diameter

ceiling thickness
1/8" to 1.0"



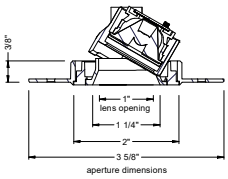
aperture dimensions

TRIMLESS



ceiling cutout
2-1/8" diameter

ceiling thickness
1/8" to 1-1/2"



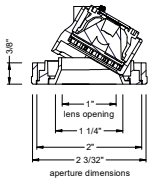
aperture dimensions

MILLWORK



ceiling cutout
2-1/8" 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	**RA**	round adjustable
	RAT	round adjustable trimless
	RATMW	round adjustable trimless millwork
LED	**TW**	tunable white (Luminus)
DELIVERED LUMENS	**07LM**	660 lm
	Standard Configuration: 3000K 55D, **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	(0.91)
	30D	30 degrees	(0.91)
	40D	40 degrees	(0.92)
	55D	55 degrees	(1.00)
TIR OPTIC ACCESSORY SEE PAGE 5	**NA**	no accessory	(1.00)
	HCL	honeycomb louver	(0.81)
	HETA	high efficiency textured lens, similar to Solite™	(0.91)
	EA[2]	elliptical lens	(0.82)
	Maximum 2pcs of media per fixture.		
BEZEL LENS SEE PAGE 5	**NL**[3]	no lens	(1.00)
	CL	clear lens	(0.81)
	DL	diffused lens	(0.79)
	HET	high efficiency textured lens, similar to Solite™	(0.81)
	SBL	smoothing beam lens	(0.81)
TRIM COLOR SEE PAGE 5	**BK**	black	
	WH	white	
	MC	matte chrome	
	BZ	bronze	
	CC[4]	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[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 7, 8	**NC**	new construction plate
	IC	insulation contact housing
	ICAT	insulation contact/airtight housing
	CP	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 - RA - TW - 07LM - 2765 - 95 - 30D - NA - HET - WH - WH - NC - LVL - ND

NOTES

1. 20D available with HETA, EA, DL, HET, SBL lens option.
2. Elliptical beam distributions [20D= 40° x 55° , 30D= 45° x 60° , 40D= 50° x 65° , 55D= 58° x 72°]
3. NL option does not meet requirements for AT/WET/NSF listings. Bezel lensing cannot be added in the field.
4. Custom set up fee plus minimum quantity required per color.

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	UNV	120V-277V
DIMMING	DIM10Z	eldoLED flicker free 0-10V dim 0.1%
	DALIZ	eldoLED flicker free DALI-2 dim to 0.1%
	CASZ	Casambi dim to zero
	NLT	nLight control interface: Cat-5/RJ45, dim to off

20° - 55° BEAM (Note: Specifications are subject to change without notice)		
6mm COB PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
07LM	660LM @30K/95CRI	11W
Notes	Delivered lumens based on 55D optic with no lens, (see page 2)	

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

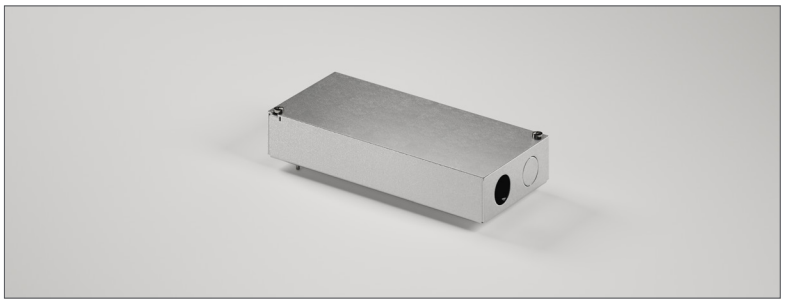
NOTES

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

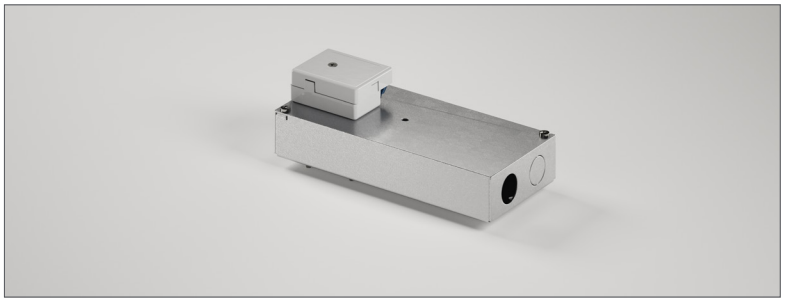
ELECTRICAL/CONTROLS

- 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)



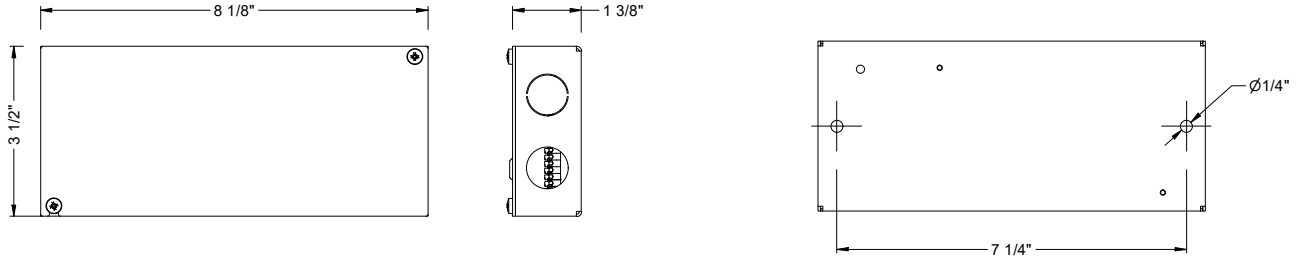
REMOTE SINGLE DRIVER BOX (NLT & CASZ)



PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

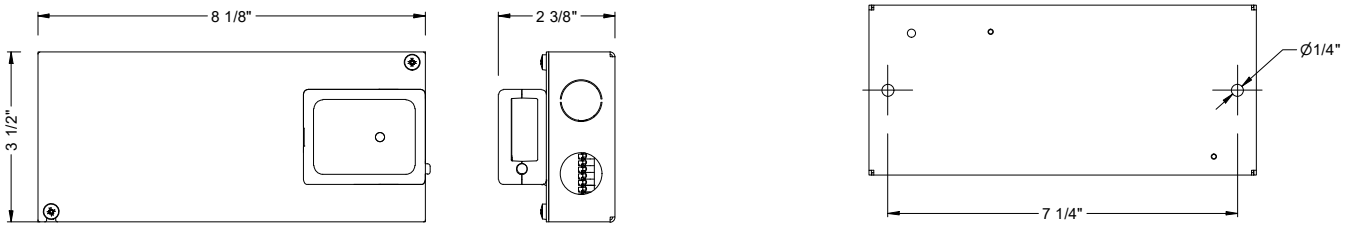
DRIVER BOXES

REMOTE SINGLE DRIVER BOX (DIM10Z & DALIZ)



Wall mount option

REMOTE SINGLE DRIVER BOX (NLT & CASZ)

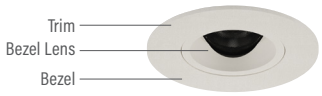


Wall mount option

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

TRIM OPTIONS

TRIM/BEZEL COLORS



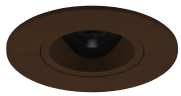
WH



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 WH fixtures, unless otherwise noted.

HCL

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
30D	26.8	12.4
40D	34.5	14
55D	44	19.4

NL

No Lens



OPTIC	BEAM ANGLE	UGR
30D	30.2	18.1
40D	42	18.7
55D	54.9	24.6

CLEAR LENS

Clear Lens



OPTIC	BEAM ANGLE	UGR
30D	28	16.1
40D	36.4	17.6
55D	52.1	23.9

DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
20D	36	21.4
30D	40	22.3
40D	45.1	23.8
55D	58	27.6

HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
20D	25.1	17.7
30D	33	18.2
40D	40.1	19.7
55D	53.8	24.6

SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
20D	18	16.5
30D	28	16.6
40D	36	17.8
55D	52	24.3

EA

Elliptical Lens



OPTIC	BEAM ANGLE	UGR
20D	39x56	22x25
30D	44x61	22x26
40D	48x64	23x26
55D	58x72	26x28

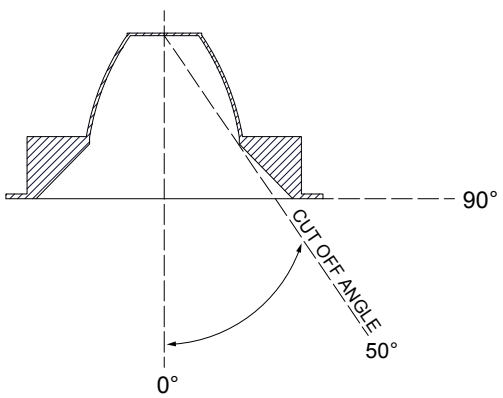
GLARE CONTROL

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 50 degrees;

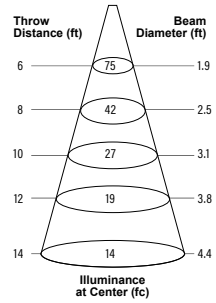


alphabet

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

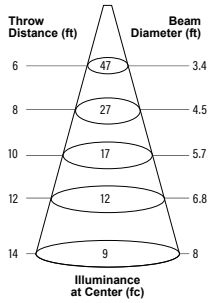
PHOTOMETRIC DATA

20D
20° SBL LENS



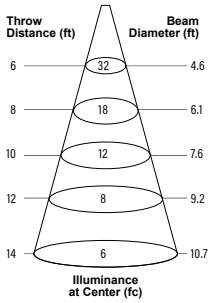
WATTS: 7	LPW: 64.1
LUMENS: 448	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2707
5	2162
15	617
25	123
35	32
45	12

30D
32° NO LENS



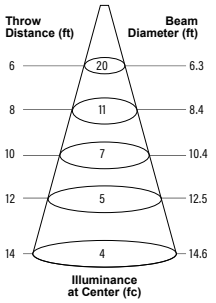
WATTS: 7	LPW: 86
LUMENS: 602	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1708
5	1587
15	914
25	307
35	57
45	15

40D
42° NO LENS



WATTS: 7	LPW: 87
LUMENS: 609	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1169
5	1141
15	870
25	370
35	87
45	23

55D
55° NO LENS



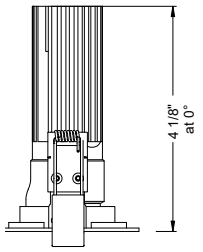
WATTS: 7	LPW: 95.1
LUMENS: 665	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	731
5	720
15	626
25	423
35	214
45	81

PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

FIXTURE HEIGHT

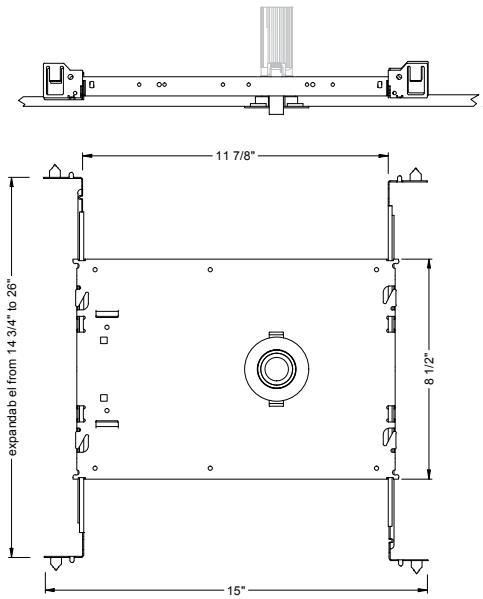
07LM LOW LUMENS



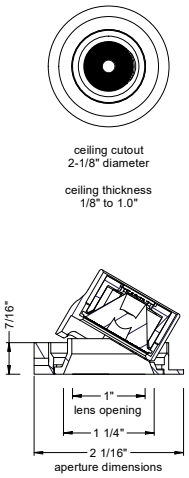
TRIMMED, TRIMLESS &
MILLWORK

NC - NEW CONSTRUCTION

TRIM

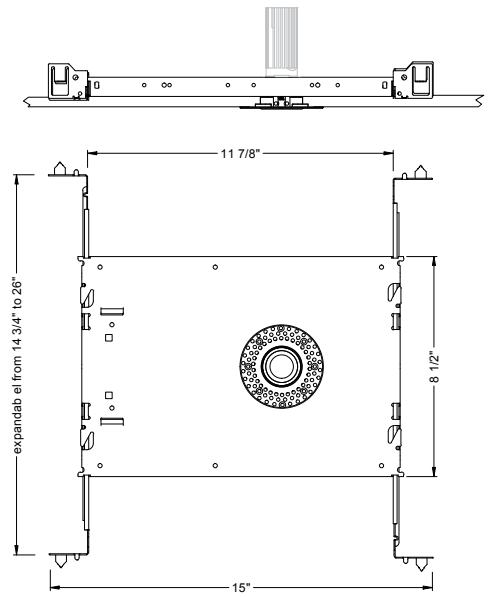


TRIM

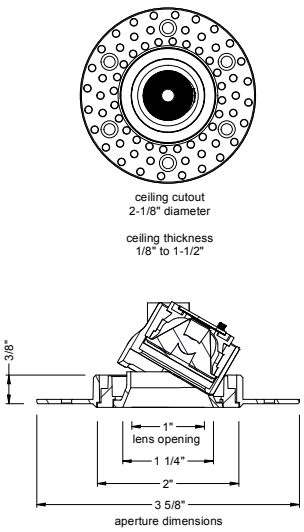


ADDITIONAL MOUNTING INFO	
New Construction Bar Hangers (included)	Mounting Length: 14-3/4" to 26"
Extension Kit p/n: K20266 (ordered separately, 1 per fixture)	*Extends a pair of Bar Hangers* Total Mounting Length: 29" to 48"

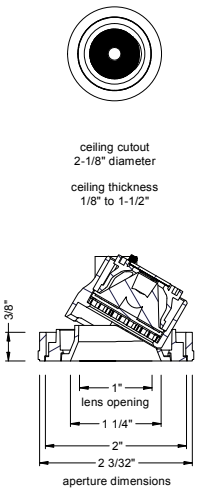
TRIMLESS



TRIMLESS



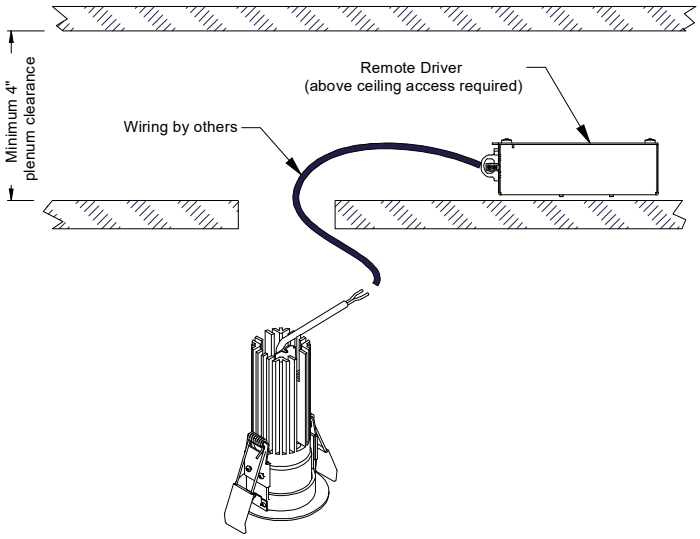
TRIMLESS/MILLWORK



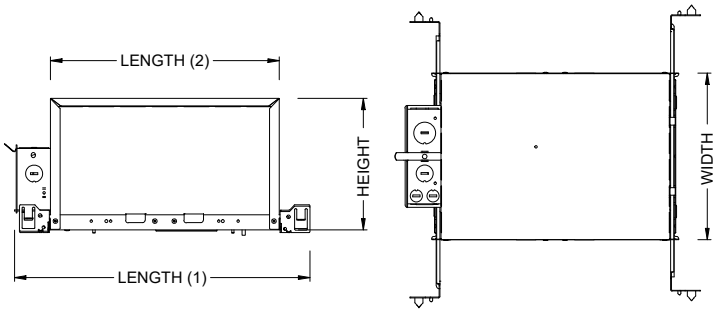
PROJECT INFORMATION			
JOB NAME		TYPE	
ORDERING CODE			

MOUNTING OPTIONS

RET - RETRO
TRIM/TRIMLESS



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

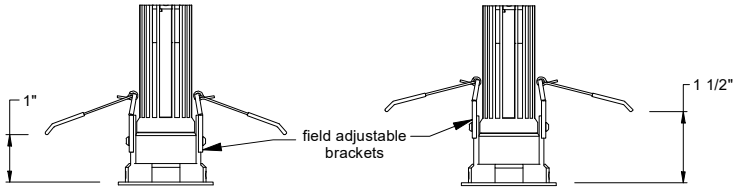


BOX SIZE	L 1	L 2	W	H
A	15 - 7/16"	11 - 3/4"	8 - 1/2"	6 - 3/4"

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			
LUMEN OUTPUT	BOX - A		
	CP	IC	ICAT
07LM	✔	✔	✔

CEILING THICKNESS			
FIXTURE TYPE	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"	2-1/8" diameter
TRIMLESS	1/8" to 1.0"	1.0" to 1 1/2"	2-1/8" diameter
MILLWORK (TRIMLESS)	1/8" to 1.0"	1.0" to 1 1/2"	2-1/8" diameter



1/8" to 1" thick ceiling

1" to 1-1/2" thick ceiling

FIXTURE TILT INFO	
TILT	CEILING THICKNESS
0° TO 30°	1/8" to 1.0"
0° TO 20°	1.0" to 1 1/2"