

Fixture Type

Date

Job Name

Approved By

Catalog Number

SPECIFICATIONS



Description	The VRP Vandal Resistant Panel features a ligature-resistant construction suitable for behavioral institutions and vandal-prone areas.
Housing	Constructed of 16-gauge aluminum with seam welded corners and sealed to the plenum.
Mounting	Grid-locked flat tee grid ceiling or recessed hard ceiling with flange frame kit for an easy and seamless installation. (Standard with FL option, see installation instructions for more details)
Lens	Impact resistant frosted polycarbonate lenses available in 1/8" and 1/4" thickness.
LED Drivers	Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. Electrical specifications, PF >.9 and THD <20%. Meets FCC Title 47 Class A or Class B. Other available drivers include DALI protocol drivers.
LED	2700K, 3000K, 3500K, 4000K, or 5000K in either 80CRI or 90CRI standard. All LED within a 2.5 step MacAdam ellipse.
Sensor	Optional concealed high-frequency microwave sensor mounted behind lens. Allowing no shadowing of the lens and providing vandal resistance. Field adjustable, factory preset low-levels; 50%, 30%, 20%, 10% light output.
Controls and System Networking Options	Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Connection to nLight is simple. It can be accomplished with remote nLight AIR wireless or through standard Cat-5 cabling. (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app.
Listing	Standard is wet location and IP66 @ IK10. Certified for NSF Splash Zone 2 with AMF and BLK finish. CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) and CAN/CSA C22.2 No. 250. Or NOM Certified.
Government Procurement	BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.
Warranty	Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

			FG	
SIZE	A	B		
1X1 FG	11.75"	11.75"		
1X4 FG	11.75"	47.75"		
2X2 FG	23.75"	23.75"		
2X4 FG	23.75"	47.75"		

			FL	
SIZE	A	B		
1X1 FL	13.07"	13.07"		
1X4 FL	13.07"	49.07"		
2X2 FL	25.07"	25.07"		
2X4 FL	25.07"	49.07"		

ORDERING INFORMATION

Example: VRP 2X4 FG MIN1 ZT 4000LM 35K 90CRI MVOLT FPC125 AMF

Series*	Size*	Ceiling Type*	Driver*	Control Input*	Lumens*	CCT*
VRP Vandal Resistant Panel	1X1 ¹ 1X1	FG Flat Tee Grid Ceiling	MIN1 Dimming to 1%	ZT 0-10V Dimming	1x1 1500LM 1500 Lumens	27K 2700K
	1X4 1X4	FL ² Hard Ceiling Flanged	DARK Dim to dark	DALI DALI	2000LM 2000 Lumens	30K 3000K
	2X2 2X2		NODIM ³ Non-dimming driver	NLIGHT ^{4,5,6,7} nLight Enabled	2500LM 2500 Lumens	35K 3500K
	2X4 2X4			NLTAIR2 ^{4,6,7,11} nLight Air 2 Wireless Enabled	4000LM 4000 Lumens	40K 4000K
				OCE ^{4,6,9} Concealed Occupancy Sensor Enabled	4800LM 4800 Lumens	50K 5000K
					2x2 2000LM 2000 Lumens	
					3000LM 3000 Lumens	
					4000LM 4000 Lumens	
					4800LM 4800 Lumens	
					2x4 3000LM 3000 Lumens	
						4000LM 4000 Lumens
						4800LM 4800 Lumens
						6000LM 6000 Lumens
						7000LM 7000 Lumens
						8500LM 8500 Lumens
						10000LM 10000 Lumens

CRI*	Voltage*	Lens*	Finish*
80CRI 80 CRI	120 120 Volt	FPC125 Frosted poly 1/8"	AMF White Antimicrobial Finish
90CRI 90 CRI	277 277 Volt	FPC250 Frosted poly 1/4"	BLK Black
	347 ^{4,6,8} 347 Volt		SIL Silver
	MVOLT 120-277 Volt		BRZ Bronze
			RALTB D RALTB D
RALTB D for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options.			

Emergency	Territory Compliance	Control	Visible Hardware
EMG ^{6,10} Emergency nLight device for use with generator supply EM power	CP ^{4,6} Chicago Plenum	GTD ⁴ Integral Generator Transfer Device	(Blank) When FG is selected
EMB310ST ⁶ Self-testing, self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards	NOM NOM Certified		PHPS Painted phillips screws to match luminaire finish
AELR ⁶ Self-testing, self contained, 90 minute emergency battery pack. STAR, 0°C (32°F) to 55°C (131°F) Meets CA Title 20 Standards			TXPS Painted TORX® tamper resistant screws to match luminaire finish

- Ordering Notes
1. Not available with OCE and 2500LM

2. Requires Visible Hardware (PHPS or TXPS)

3. Requires OCE

4. Not available with EMB310ST and AELR

5. Not available with MVOLT

6. Not available with GTD

7. Not available with CP

8. Requires ZT and MIN1

9. Requires NODIM

10. Requires NLIGHT

11. Requires MIN1

Accessories: Order as separate catalog number	
TXTD	TORX® Tamper Resistant Screwdriver Bit

PHOTOMETRIC DATA

Based on 80CRI 35K

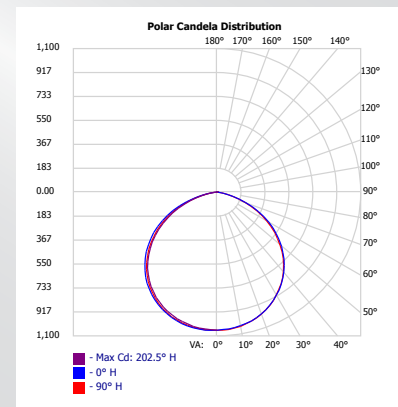
Size	Nominal Lumens	FPC125			FPC250		
		Delivered Lumens	Wattage	Lumens/Watt	Delivered Lumens	Wattage	Lumens/Watt
1X1	1500LM	1,561	14.7	106.6	1,474	14.7	100.6
	2000LM	1,981	19.2	103	1,870	19.2	97.2
	2500LM	2,554	26.8	95.2	2,411	26.8	89.9
1X4	1500LM	1,454	11.5	126.6	1,338	11.5	116.5
	3000LM	2,953	23.6	124.9	2,718	23.6	115
	4000LM	4,068	33.6	121.2	3,744	33.6	111.5
	4800LM	4,827	40.5	119.1	4,443	40.5	109.6
2X2	2000LM	2,182	17.6	124.2	1,961	17.6	111.6
	3000LM	2,990	23.2	128.9	2,688	23.2	115.8
	4000LM	4,077	32.9	124	3,665	32.9	111.5
	4800LM	4,978	40.6	122.8	4,474	40.6	110.3
2X4	3000LM	3,144	23.8	132.2	2,865	23.8	120.5
	4000LM	4,041	30.8	131.1	3,683	30.8	119.5
	4800LM	4,767	36.1	132	4,344	36.1	120.3
	6000LM	5,941	46.3	128.4	5,414	46.3	117
	7000LM	6,996	54.9	127.5	6,375	54.9	116.2
	8500LM	8,348	67.2	124.1	7,607	67.2	113.1
	10000LM	9,973	83.6	119.3	9,088	83.6	108.7

Consult www.acuitybrands.com for photometry.
Photometric data based on test results from an independent NIST traceable testing lab. IES data is available at Luminaireled.acuitybrands.com.
Always refer to our website for the latest IES file updates.

CCT/CRI Nomenclature	Scaling Factor
27K 80CRI	0.965
30K 80CRI	0.979
35K 80CRI	1.000
40K 80CRI	1.028
50K 80CRI	1.049
27K 90CRI	0.824
30K 90CRI	0.852
35K 90CRI	0.873
40K 90CRI	0.894
50K 90CRI	0.908

DISTRIBUTION

VRP 1X4 3000LM 35K 80CRI FPC125



Minimum Dimming Level		Control Input		Driver	Dimming Range	Notes
MIN1	+	ZT	=	eldoLED ECOdrive	100 to 1%	LINEAR DIMMING, TO BE WIRED TO 0-10V CONTROL
MIN1	+	DALI	=	eldoLED ECOdrive	100 to 1%	LINEAR DIMMING, TO BE WIRED TO DALI CONTROL
MIN1	+	NLIGHT	=	eldoLED ECOdrive	100 to 1%	LOGARITHMIC DIMMING, TO BE WIRED TO NLIGHT CONTROL
MIN1	+	NLTAIR2	=	eldoLED ECOdrive	100 to 1%	LOGARITHMIC DIMMING, TO BE WIRED TO NLTAIR2 CONTROL
DARK	+	ZT	=	eldoLED SOLOdrive	100 to 0.1%	LINEAR DIMMING, TO BE WIRED TO 0-10V CONTROL
DARK	+	DALI	=	eldoLED SOLOdrive	100 to 0.1%	LOGARITHMIC DIMMING, TO BE WIRED TO DALI CONTROL
DARK	+	NLIGHT	=	eldoLED SOLOdrive	100 to 0.1%	LOGARITHMIC DIMMING, TO BE WIRED TO NLIGHT CONTROL
NODIM	+	OCE	=	eldoLED ECOdrive	N/A	NO DIMMING, OCCUPANCY SENSOR CONTROLLED

HIGH AMBIENT AND EXTENDED TEMPERATURE RANGE

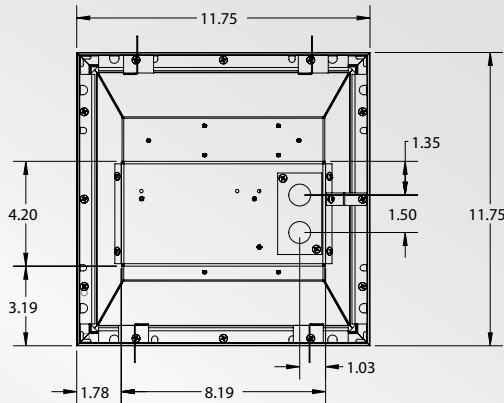
The following product configurations are suitable for extended operating temperature range operation to 40°C
Note the minimum temperature ratings for controlgear

High Ambient Operating Temperature Range						
Size	Lumens	Driver	Max T	Control Input	Emergency	Control
1X1	1000	300	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	-
1X1	1500	400	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	-
1X4	1500	250	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
1X4	3000	510	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X2	2000	340	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X2	3000	510	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X4	3000	470	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X4	4000	630	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X4	4800	760	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X4	6000	960	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X4	7000	1120	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	GTD
2X4	8500	1380	40°C	ZT, DALI, NLIGHT, NLIGHTAIR2, OCE	EMG, EMB310ST, AELR	-

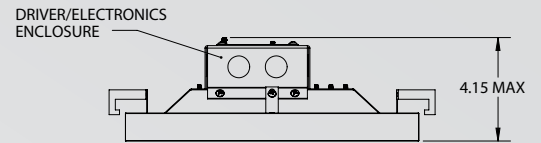
Minimum Temperature Ratings	
ZT, DALI, OCE	-20°C
NLIGHT, NLIGHTAIR2, EMG	-10°C
AELR, EMB310ST	0°C

FG OPTION

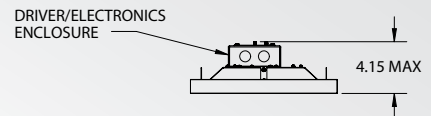
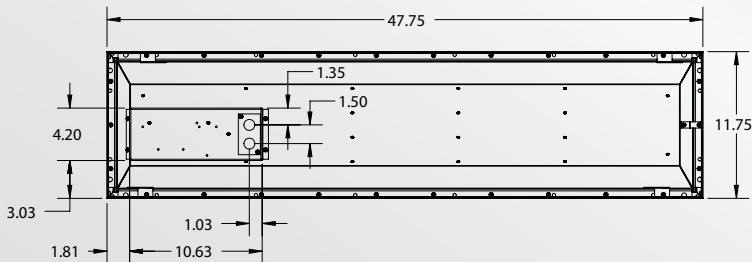
1X1 FG



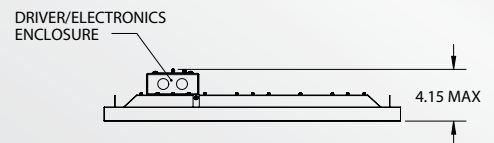
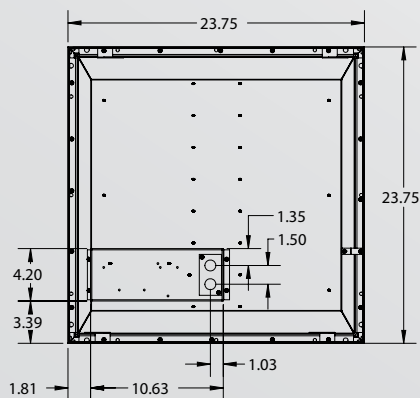
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1X4 FG



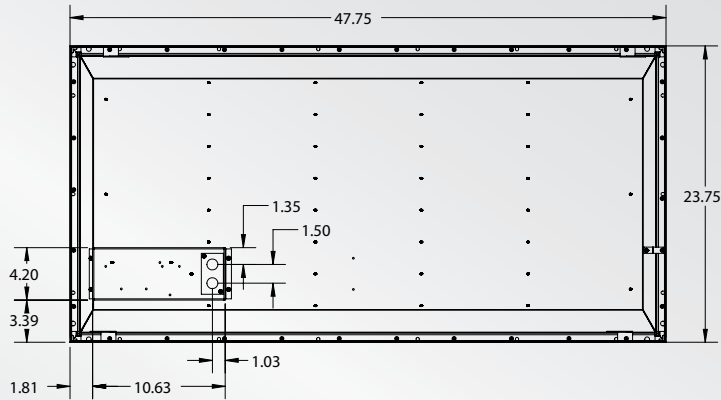
2X2 FG



FG OPTION

2X4 FG

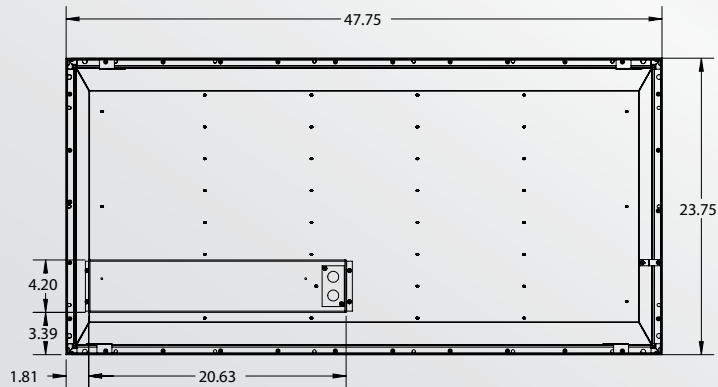
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DRIVER/ELECTRONICS
ENCLOSURE



2X4 347 FG



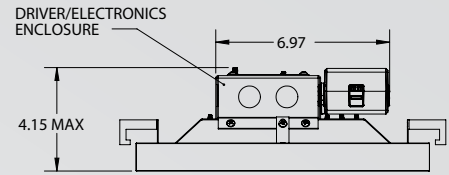
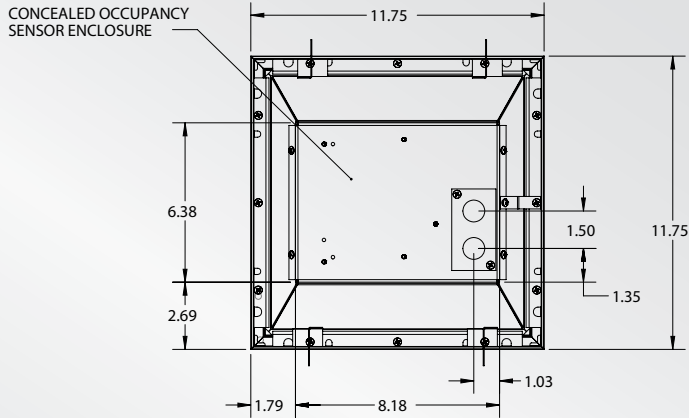
347V DRIVER/ELECTRONICS
ENCLOSURE



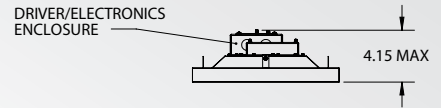
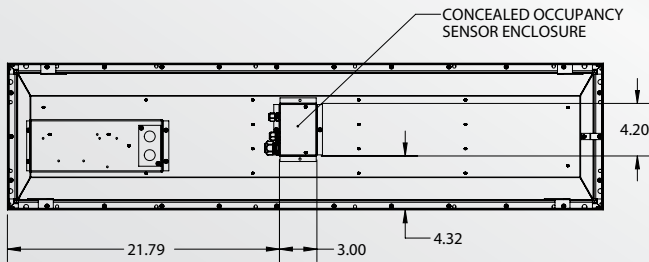
FG OCE OPTION

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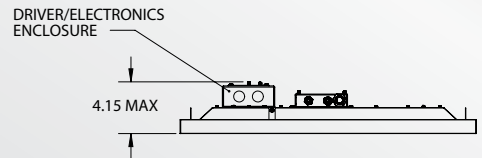
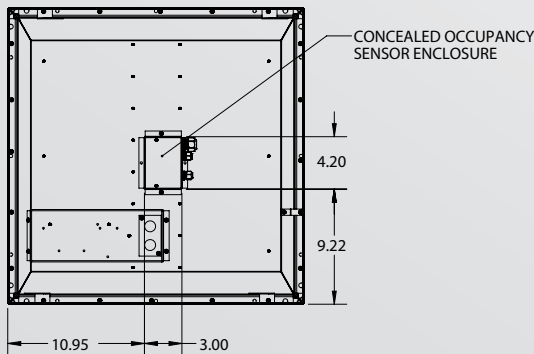
1X1 OCE



1X4 OCE

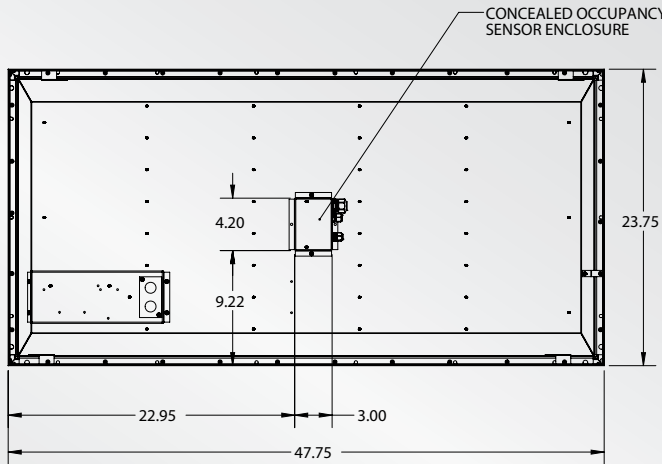


2X2 FG OCE

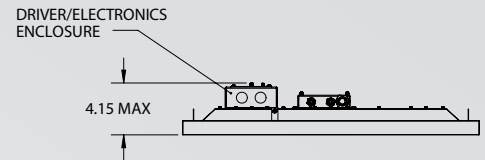


FG OCE OPTION

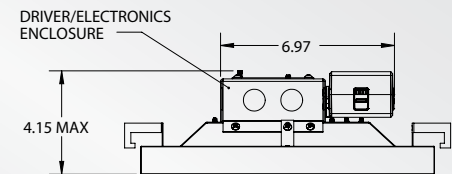
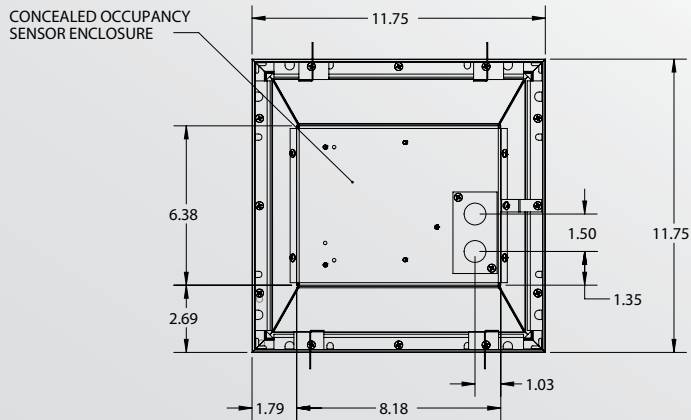
2X4 FG OCE



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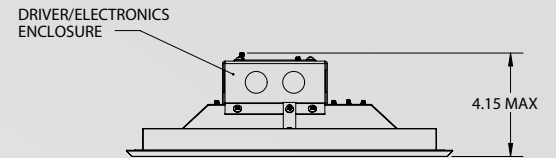
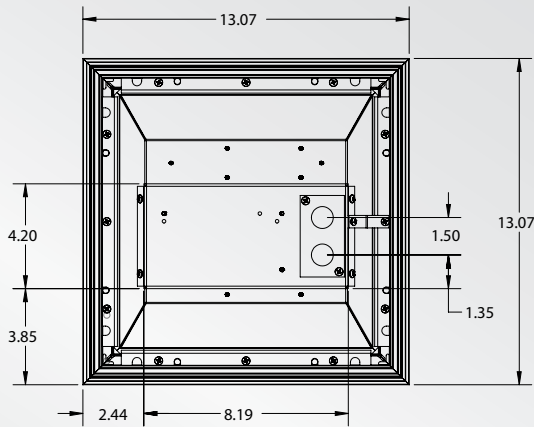
1X1 FG NLIGHT/NLTAIR2



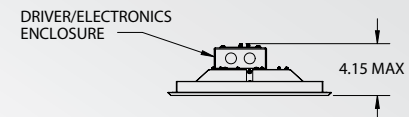
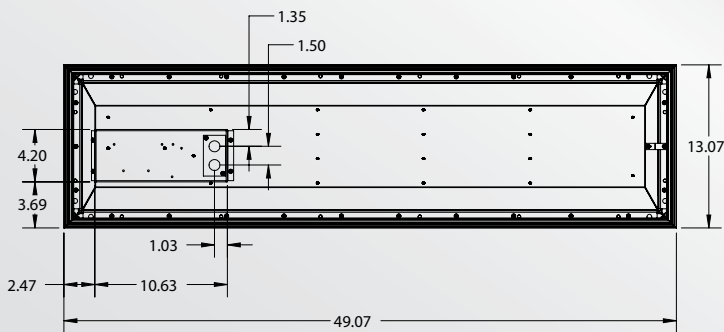
FL OPTION

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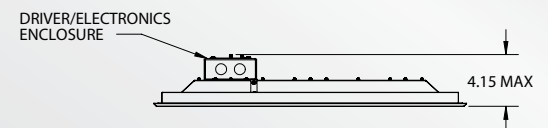
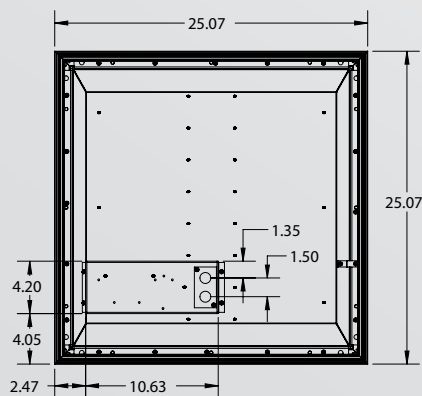
1X1 FL



1X4 FL

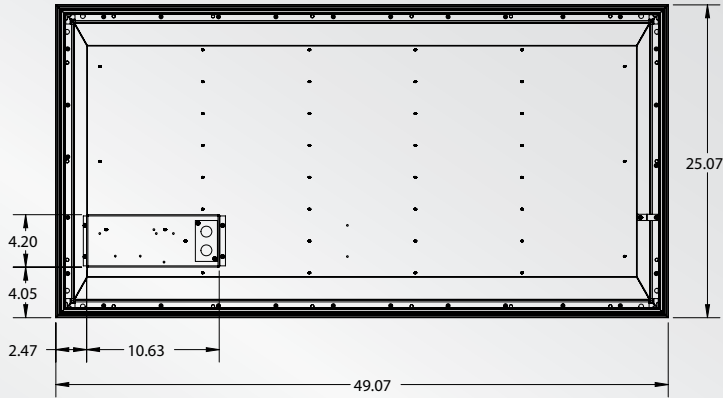


2X2 FL

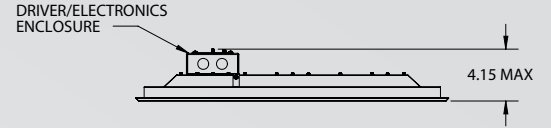


FL OPTION

2X4 FL

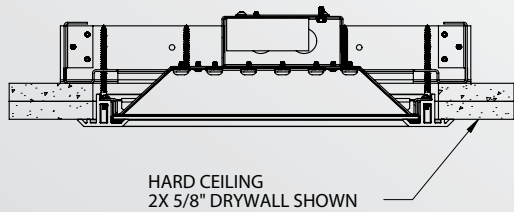


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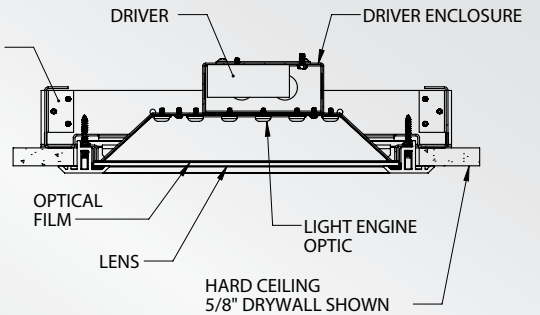


NOTE: MAXIMUM CEILING THICKNESS = 2.5"
MINIMUM CEILING THICKNESS = 0.5"

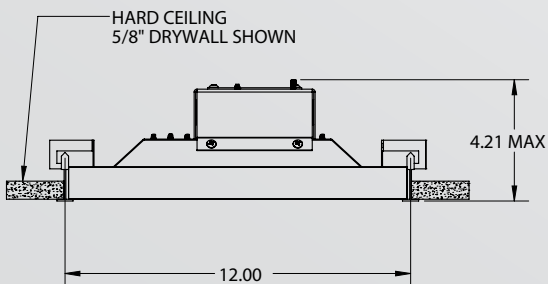
FINISHED CEILING THICKNESS



FL INSTALLATION FRAME



9/16" GRID STYLE



15/16" GRID STYLE

