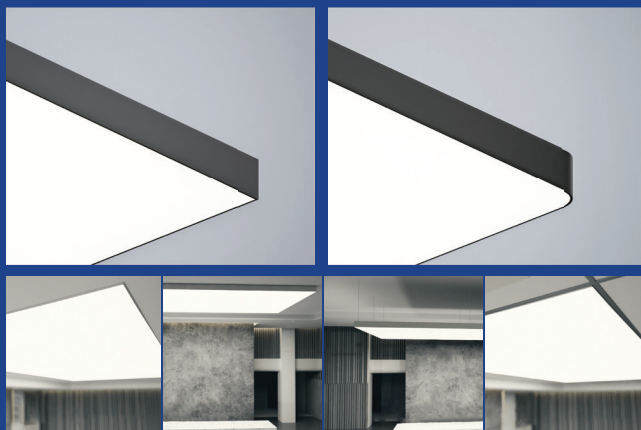


LumiCloud™ Collection CARRA - ASTRA



Spec by:

Agency:

Project Name:

Type of Project:

Notes:



LIGHTING PERFORMANCE*

	Output	Type					
		2' x 2'	2' x 4'	4' x 4'	8' x 4'	10' x 6'	12' x 8'
Power consumption (Watts)	Premium	22.4W	50.4W	113.4W	252W	490W	798W
Delivered output (Lumens)		1112 lm	2502 lm	5630 lm	12510 lm	24325 lm	39615 lm
Power consumption (Watts)	Standard	11.2W	25.2W	56.7W	126W	245W	399W
Delivered output (Lumens)		556 lm	1251 lm	2815 lm	6255 lm	12163 lm	19808 lm

* Power Consumption and Delivered output values are based on 6500K CCT

ORDERING CODE

TLS	LC	CR	AS	Rating
	Product	Model	Engine	
TLS	LumiCloud LC	Carra CR	Astra AS	Indoor IN Outdoor OUT

Size	Frame	Mounting	Frame color	CCT	Output*	Control	LS Diffuser
2' x 2' 2x2	Frameless squared corner SQ	Recessed RD	Black BL	2200K 22K	Premium (909 lm/sq) ³ P Standard (494 lm/sq) ³ S	0-10V O/10	LightTex Silent LS
2' x 4' 2x4		Surface SF	White WH	2700K 27K		RF Remote RM	
4' x 4' 4x4	Frameless rounded corner RO	Suspended SP	Clear Anodized CA	3000K 30K		Dali DA	
8' x 4' 8x4		T-bar ¹ TB	Silver ² NS	3500K 35K			
10' x 6' 10x6		Wall Surface WLS		4000K 40K			
12' x 8' 12x8		Wall Recessed WLR		5600K 56K			
				6500K 65K			

¹ Not for rounded corners

² Only for rounded corners

³ Lm/sq are calculated at LED source

TECHNICAL SPECIFICATIONS

■ Diffuser

Light Tex Silent	
Material	100 % Polyester
Weight	172 gr/m2 (16 gr/ft2)
Fire classification	NFPA-701, B1, EN 13501-1, B-s1, d0
Transmission rate	37%
CCT shift	0-50K (see table page 5)
NRC	0.82

■ Frame color

Material	Aluminum		
Standard colors	Black 	White 	Clear Anodized 

Note: Custom colors are available for LumiCloud Bespoke model

■ Lighting

Ingress protection	IP65 - IP22 (indoor)
CRI	~ 90 (white LED)
LM80 *	> 150,000 hours
Operating temperature	-30 °C TO 80 °C

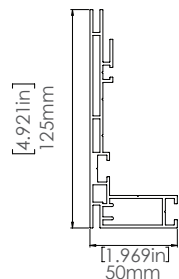
Note: *LM80 Test is only applicable to white pixels.

Warranty*	5-year limited warranty for LED
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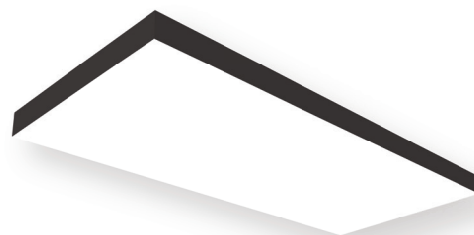
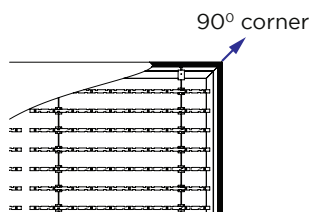
* Warranty Terms and Conditions at www.tls-led.com/warranty

FRAME

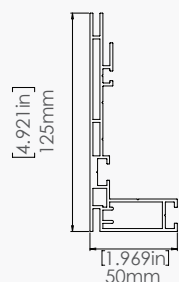
■ Frameless square corner (SQ)



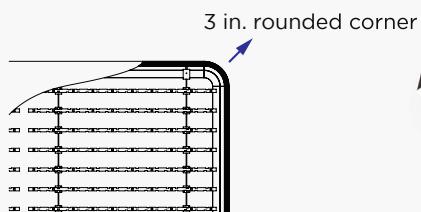
FLS 2125-V2



■ Frameless rounded corners (RO)

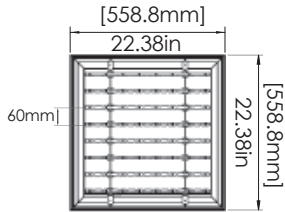


FLS 2125-V2

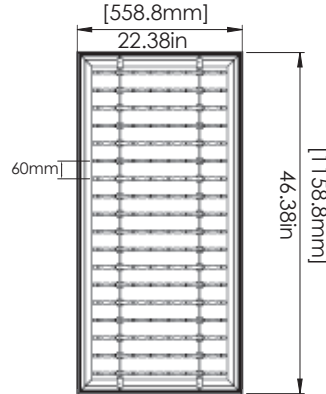


SIZES PREMIUM

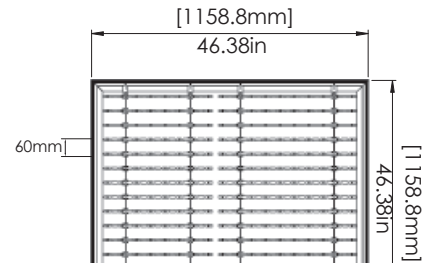
2'x2'



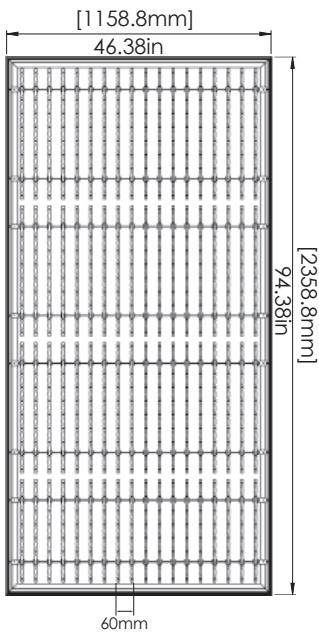
2'x4'



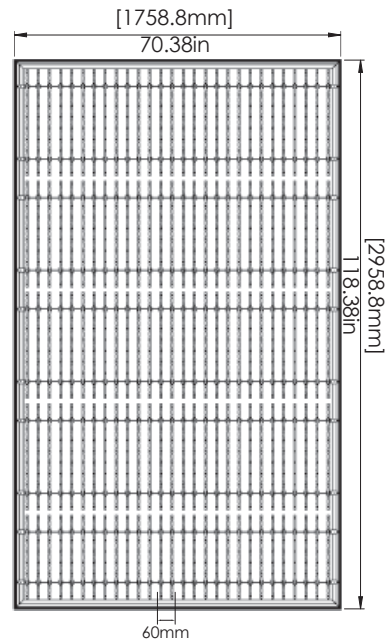
4'x4'



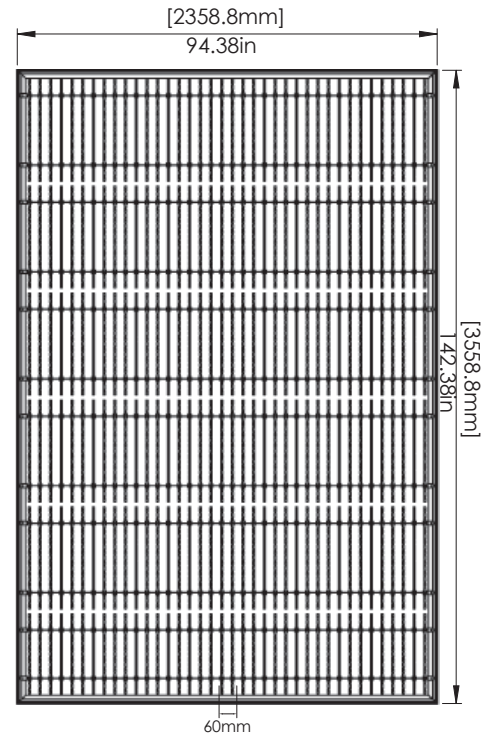
8'x4'



10'x6'



12'x8'



Note: Custom dimensions are available with LumiCloud™ Bespoke model.

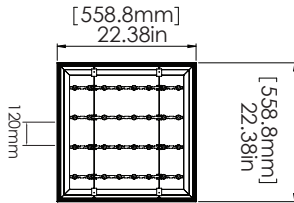
■ Weight Premium

Size	2'x2'	2'x4'	4'x4'	8'x4'	10'x6'	12'x8'
Kg	12.7	17.1	21.7	33	58.8	70
Lbs	28	37.69	47.84	72.75	130	154

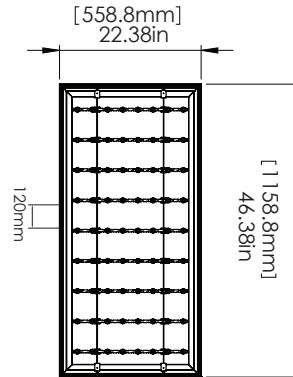
Variations may occur but should not exceed indicated values.

SIZES STANDARD

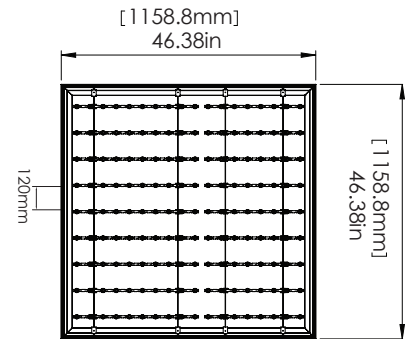
2'x2'



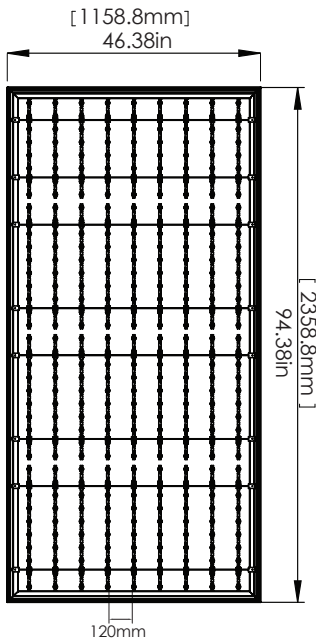
2'x4'



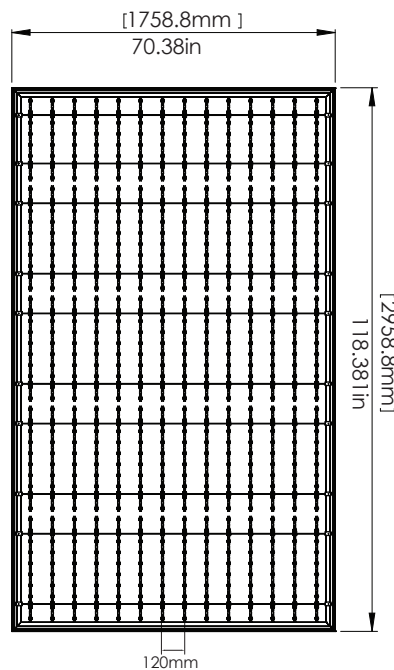
4'x4'



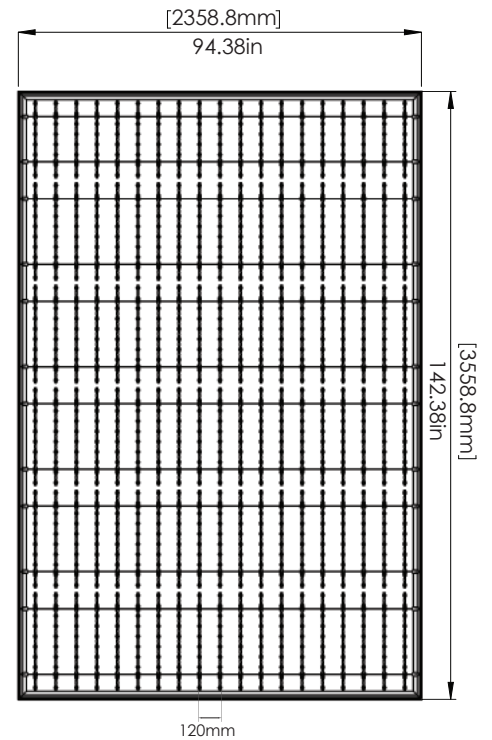
8'x4'



10'x6'



12'x8'



Note: Custom dimensions are available with LumiCloud™ Bespoke model.

■ Weight Standard

Size	2'x2'	2'x4'	4'x4'	8'x4'	10'x6'	12'x8'
Kg	11.5	15	19.5	31	48	66
Lbs	25.35	33	43	68.34	105.82	145.5

Variations may occur but should not exceed indicated values.

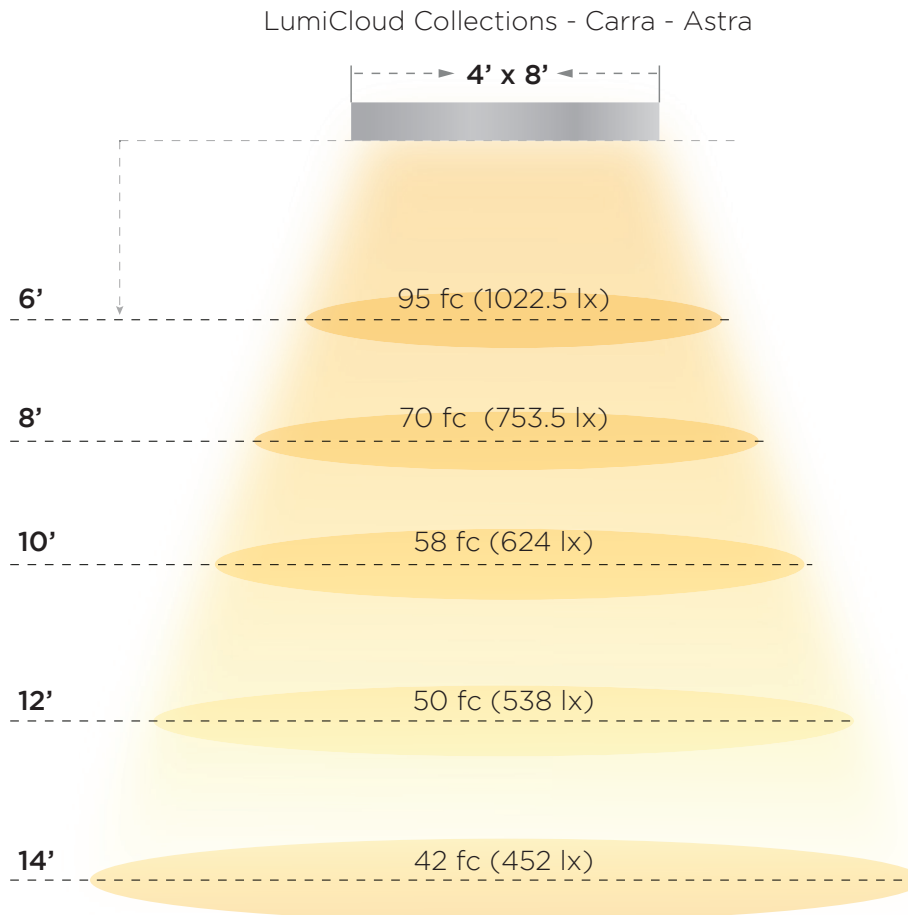
LIGHTING PERFORMANCE AND EFFICIENCY

■ CCT Shifting

Output	CCT						
	2,200K	2,700K	3,000K	3,500K	4,000K	5,600K	6,500K
Premium	2,148	2,665	2,995	3,380	3,938	5,703	6,513
Standard	-	2,662	2,973	3,426	3,899	5,584	6,419

■ Foot Candle per height

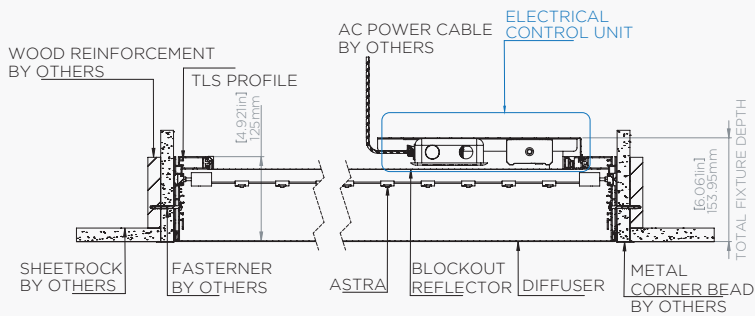
*Below dimensions are based on Premium Light Tex Silent



Note: Results are simulated based on 10' x 16' room & Reflection factors C70% W77% & F20% , other measurements available on requests.
Multiple panels will influence the foot candle.

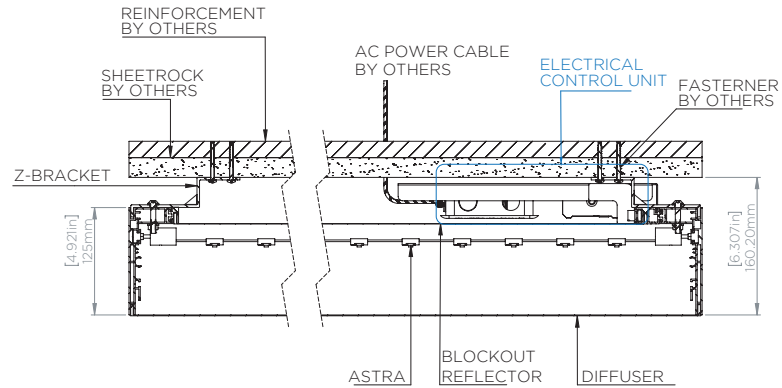
MOUNTING OPTIONS (PREMIUM)

Recessed (RD)

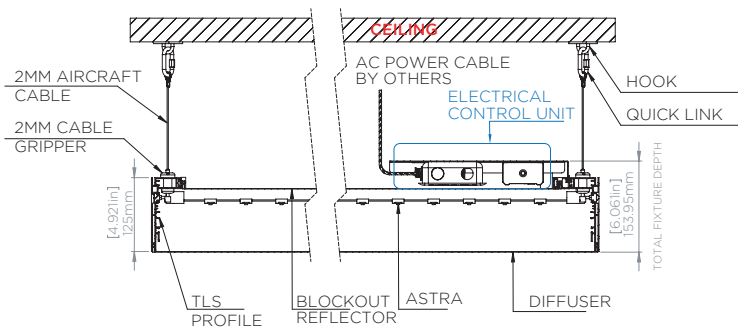


- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

Surface (SF)

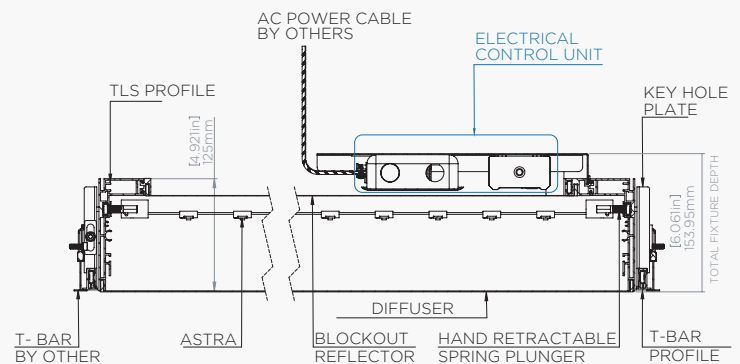


Suspended (SP)



- Hooks to existing ceiling installed by others

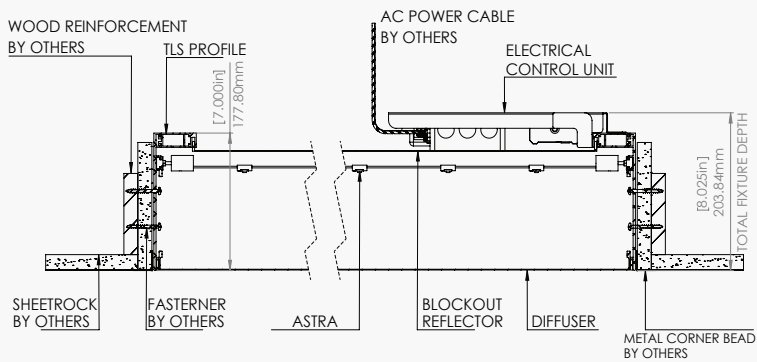
T-bar (TB)



Note: Parts reference numbers are available upon request.

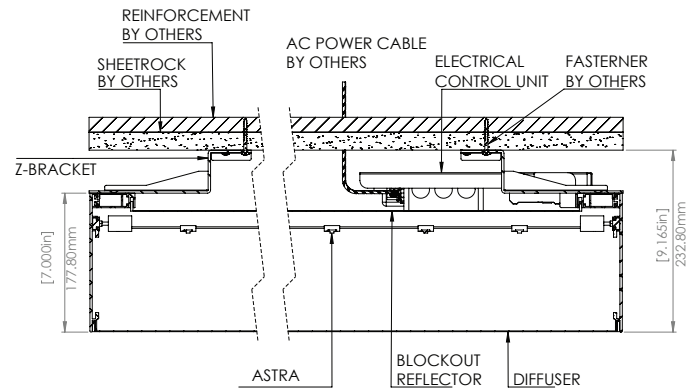
MOUNTING OPTIONS (STANDARD)

Recessed (RD)

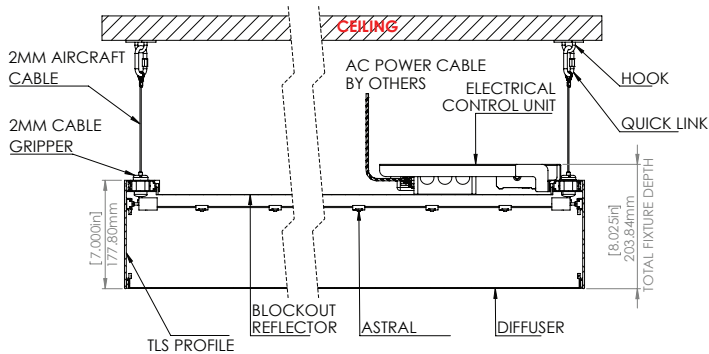


- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

Surface (SF)

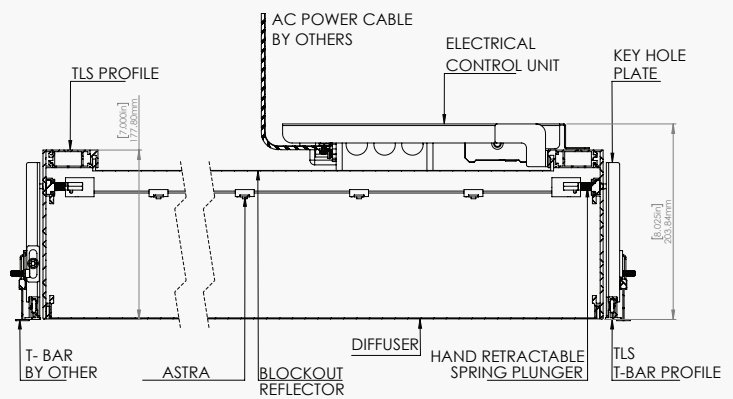


Suspended (SP)



- Hooks to existing ceiling installed by others

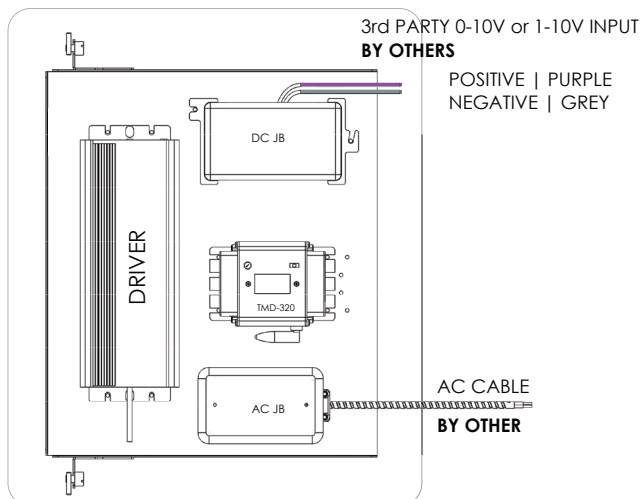
T-bar (TB)



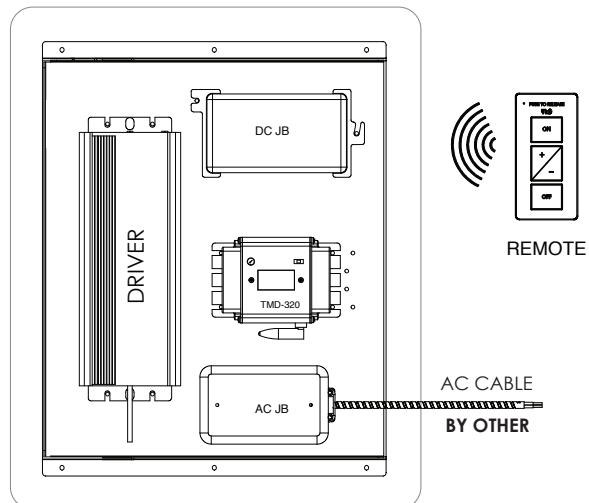
Note: Parts reference numbers are available upon request.

CONTROL

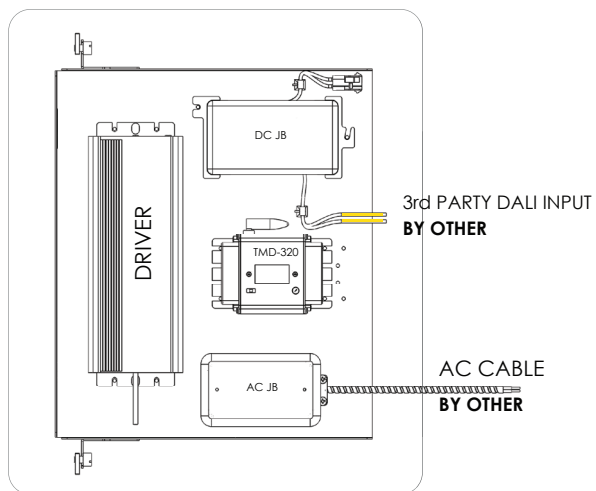
■ 0-10V (0/10)



■ RF Remote (RM)



■ Dali (DA)



■ Electrical

Driver models	HLG-60-24A, HLG-100-24A, HLG-150-24A, HLG-240-24A, HLG-320-24A
Input voltage	90-305 V AC, 47-63 HZ
Output voltage	21-24 V DC