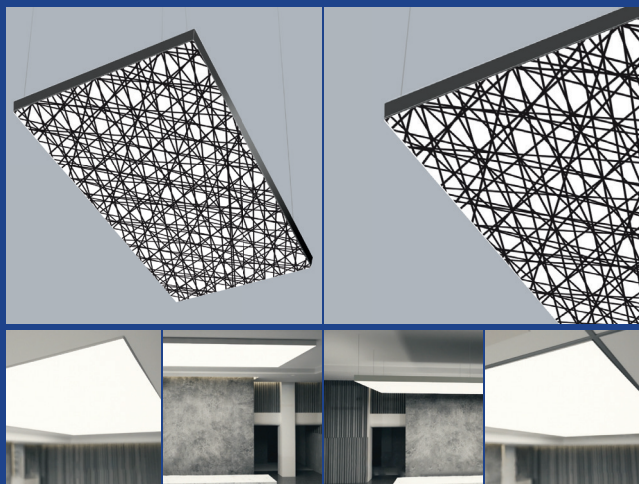


LumiPano™ Lite Bespoke ASTRA



Spec by:

Agency:

Project Name:

Type of Project:

Notes:

IP22
RATED



LIGHTING PERFORMANCE*

	Output	Size					
		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)		844 lm	1898 lm	4270 lm	9490 lm	18453 lm	30052 lm
Power consumption (Watts)	Standard	11.2W	25.2W	56.7W	126W	245W	399W
Delivered output (Lumens)		367 lm	825 lm	1856 lm	4124 lm	8019 lm	13059 lm

* Power consumption and delivered output values are based on 6500K and on diffuser without a pattern. Consult factory for other shapes performance.

ORDERING CODE

TLS	LPL	BE	AS				
	Product	Model	Engine	Rating	Shape	Dimensions	Application
TLS	LumiPanoLite LPL	Bespoke BE	Astra AS	Indoor IN	Rectangle RC	W x L WxL	Ceiling CL
				Outdoor OUT	Circle CC	Dimensions D	Wall WL
					Triangle TR	L1xL2xL3 L1xL2xL3	Other OT
					Hexagone HX	Hexagone HL	
					Custom CS	Custom*	
							*Please specify

Mounting	Frame	Frame color	CCT	Output*	Control	Diffuser
Recessed RD	Frameless squared corner SQ	Black BL	2200K 22K	Premium (909 lm/sqf)* P	0-10V O/10	LightTex Pano White LPW
Surface SF	Frameless rounded corner RO	White WH	2700K 27K	Standard (494 lm/sqf)* S	Remote RM	LightTex Pano White LPW
Suspended SP	Frame square corners FS	Silver NS	3000K 30K		Dali DA	LightTex Pano Black LPB
Wall WL	Frame rounded corners FR	RAL RAL	3500K 35K		No dimming ND	LightTex Pano Silver LPS
	Not applicable* NA		4000K 40K			LightTex Pano Silver LPS
			5600K 56K			LightTex Pano Custom LPC
			6500K 65K	Custom output CO		

*For Circle.

* Lm/sqf are calculated at LED source

TECHNICAL SPECIFICATIONS

■ Diffuser

	LightTex Pano	LightTex Pano White	LightTex Pano Black	LightTex Pano Silver
Material	100% Polyester	100 % Polyester + PU coating	100 % Polyester + PU coating	100 % Polyester + PU coating
Weight	141 gr/m2 (13 gr/ft2)	141 gr/m2 (13 gr/ft2)**	141 gr/am2 (13 gr/ft2)**	141 gr/am2 (13 gr/ft2)**
Fire classification	NFPA-701, B1, EN 13501-1, B-s1, d0	NFPA-701, B1, EN 13501-1, B-s1, d0	NFPA-701, B1, EN 13501-1, B-s1, d0	NFPA-701, B1, EN 13501-1, B-s1, d0
Transmission rate	43%*	N/A	N/A	N/A
NRC	N/A	N/A	N/A	N/A

*Without any pattern

**Without PU coating

■ Frame color

Material	Aluminum			
Standard colors	Black 	White 	Silver 	RAL 

■ Lighting

Ingress protection	IP22 (indoor) IP65 (outdoor)
CRI	> 90 (white LED)
LM80 *	> 36,000 hours
Operating temperature	-30 °C TO 80 °C

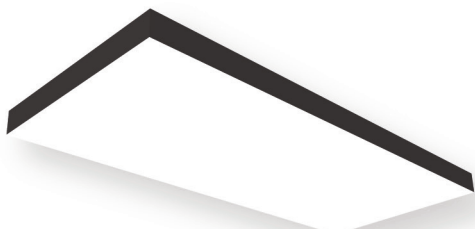
Note: *LM80 Test is only applicable to white pixels.

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

SHAPE

■ Rectangle



■ Circle



■ Triangle



■ Hexagone

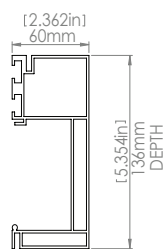


■ Custome shape

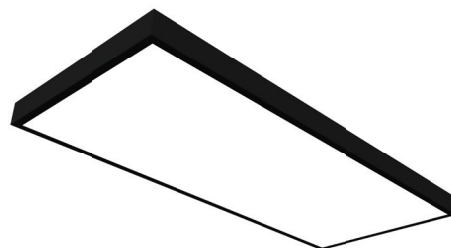
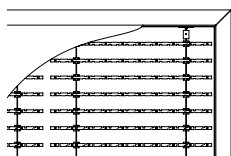


FRAME

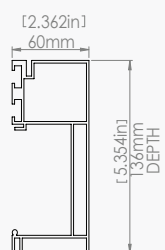
■ Frame square corners (FS)



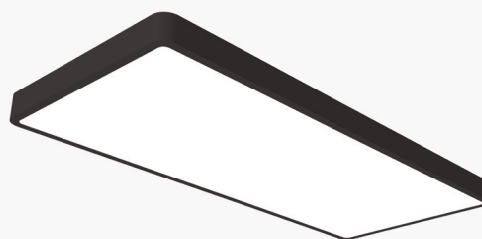
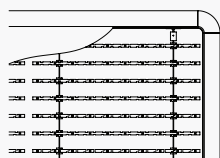
FLS 2135



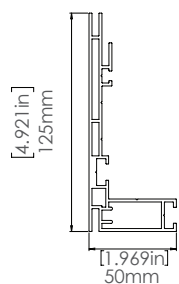
■ Frame rounded corners (FR)



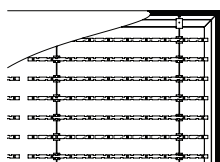
FLS 2135



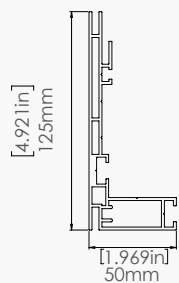
■ Frameless square corner (SQ)



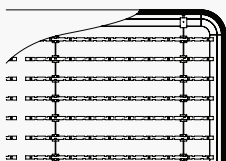
FLS 2125 - V2



■ Frameless rounded corners (RO)



FLS 2125 - V2



LIGHTING PERFORMANCE AND EFFICIENCY

■ CCT Shifting

Output	CCT						
	2,200K	2,700K	3,000K	3,500K	4,000K	5,600K	6,500K
Premium	2,111	2,576	2,887	3,225	3,704	5,080	5,767
Standard	-	2,584	2,871	3,265	3,669	5,020	5,696

*Power consumption and delivered output values are based on 6500K CCT with the LightTex Pano

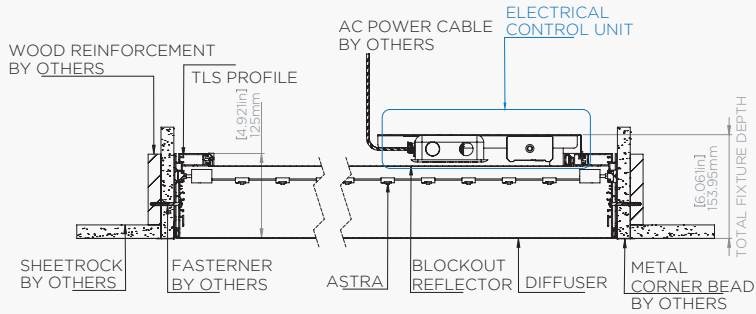
■ Light transmission

Percent of Transmission	Lumens (Lm)*
10%	949
20%	1,898
30%	2,847
40%	3,796
50%	4,745
60%	5,694

*Lumens are calculated for 4"x8" fixture. Pattern will decrease the lumen output.

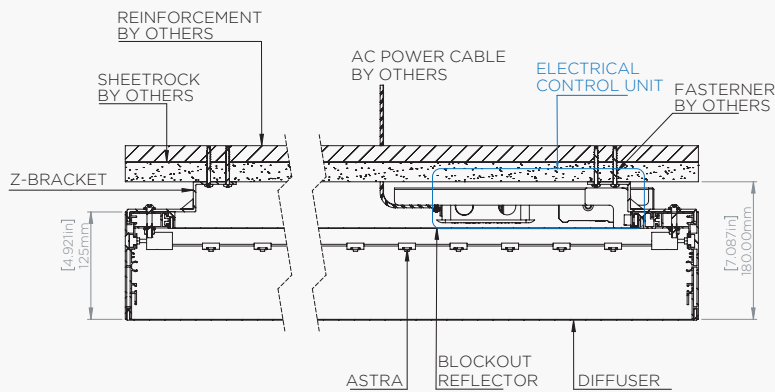
MOUNTING OPTIONS

Recessed (RD)

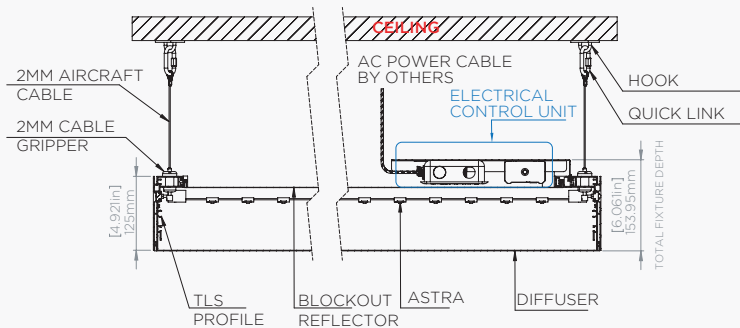


- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

Surface (SF)



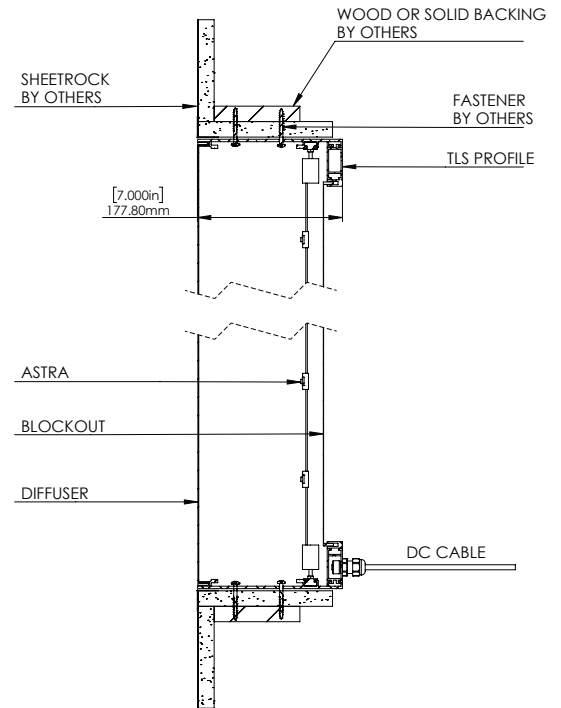
Suspended (SP)



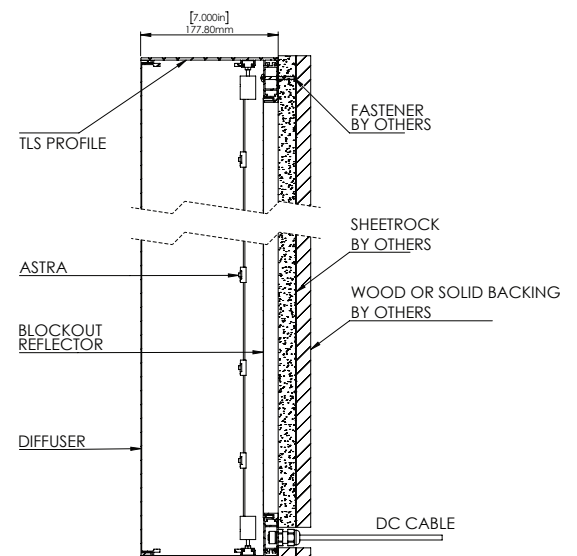
- Hooks to existing ceiling installed by others

Note: Parts reference numbers are available upon request.

Wall (WL)

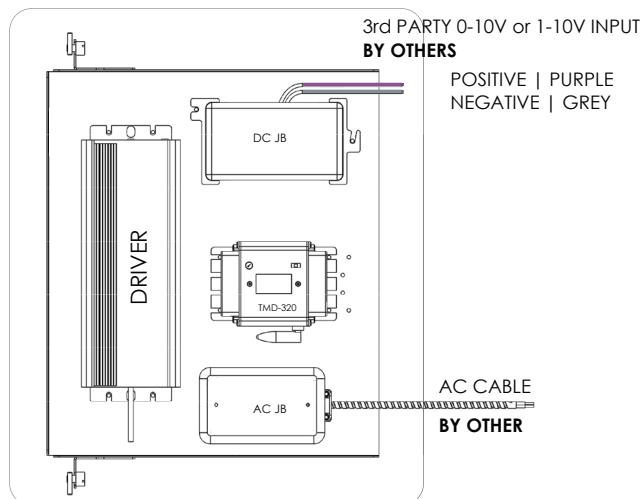


Wall Surface

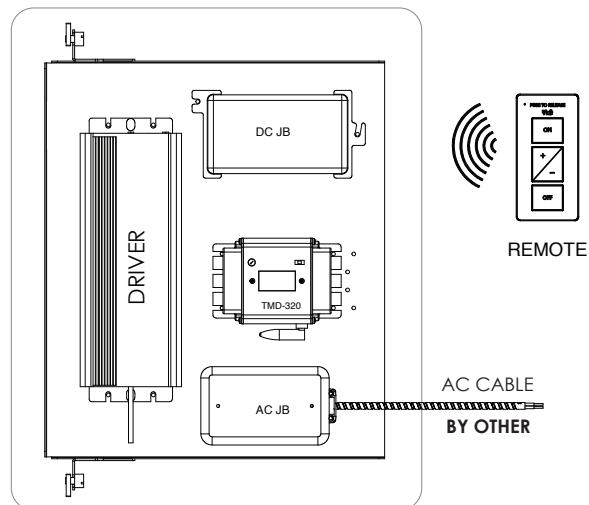


CONTROL

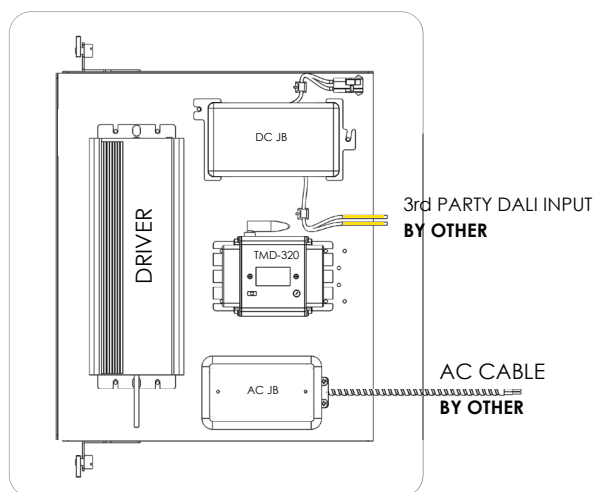
■ 0-10V (0/10)



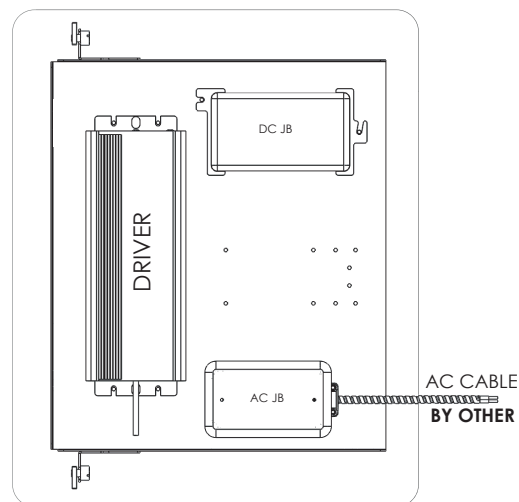
■ RF Remote (RM)



■ Dali (DA)



■ No dimming (ND)



■ 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