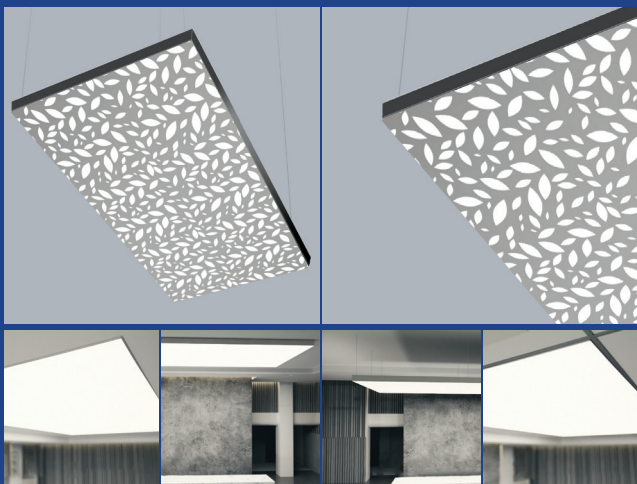


LumiPano™ Lite Collection

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.

ORDERING CODE

TLS	LPL Product	AS Engine	Rating	Size	Mounting
TLS	LumiPanoLite LPL	Astra AS	Indoor IN Outdoor OUT	2' x 2' 2x2 2' x 4' 2x4 4' x 4' 4x4 8' x 4' 8x4 10' x 6' 10x6 12' x 8' 12x8	Recessed RD Surface SF Suspended SP Wall WL

Frame color	CCT	Output*	Control	Diffuser	Standard Patterns*
Black BL	2200K 22K	Premium (909 lm/sqft)* P	0-10V 0/10	LightTex Pano White LPW	Fall FL
White WH	2700K 27K	Standard (494 lm/sqft)* S	Remote RM	LightTex Pano Black LPB	Hive HV
Clear CA	3000K 30K		Dali DA	LightTex Pano Silver LPS	LightSpeed LE
Anodized	3500K 35K				Maze MZ
	4000K 40K				Mondrian MD
	5600K 56K				StarStream SS
	6500K 65K				Custom Design CD

* Lm/sqft are calculated at LED source

* See page 07

TECHNICAL SPECIFICATIONS

■ Diffuser

	Light Tex Pano	Light Tex Pano Black	LightTex Pano Silver
Material	PVC	100 % Polyester	100 % Polyester
Weight	175 gr/m2 (18 gr/ft2)	175 gr/m2 (18 gr/ft2)	175 gr/m2 (18 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
Transmission rate	29%*	N/A	N/A
CCT shift	0-50K	0-50K	0-50K
NRC	0.82	0.82	0.82

*Without any pattern

■ Frame color

Material	Aluminum		
Standard colors	Black 	White 	Clear Anodized 

■ Lighting

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

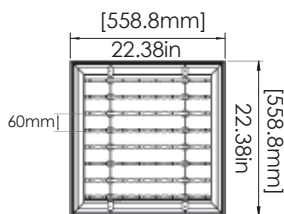
Note: *LM80 Test is only applicable to white pixels.

Warranty*	5-year limited warranty for LED
------------------	---------------------------------

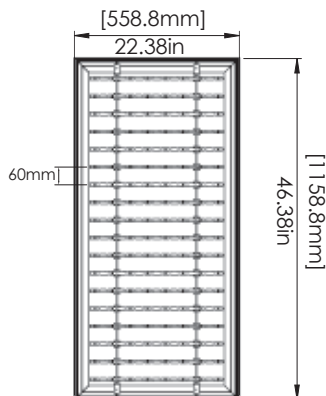
* Warranty Terms and Conditions at www.tls-led.com/warranty

SIZES PREMIUM

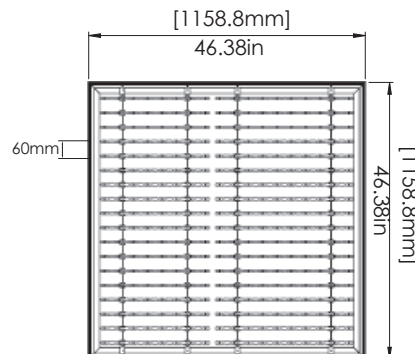
2'x2'



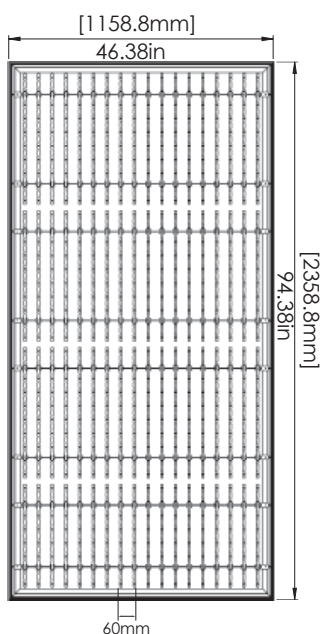
2'x4'



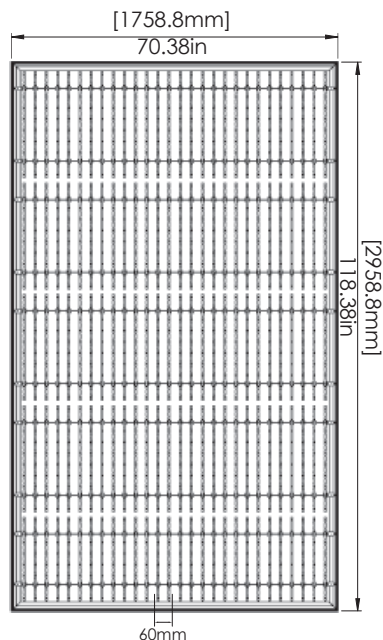
4'x4'



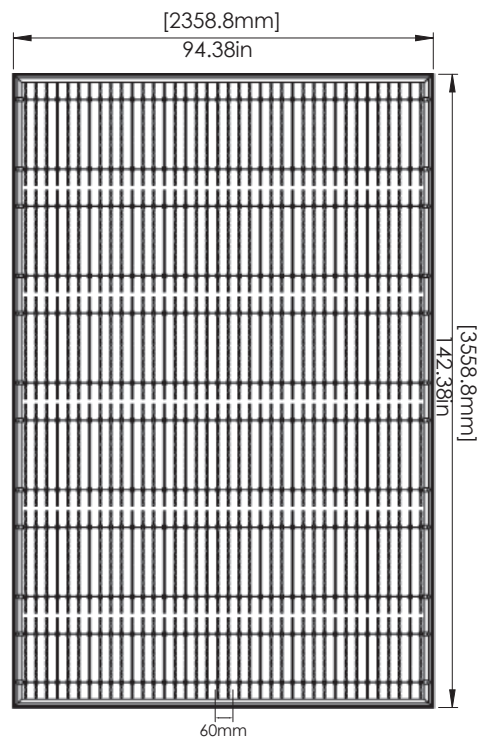
8'x4'



10'x6'



12'x8'



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

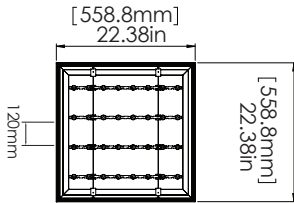
■ Weight Premium

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

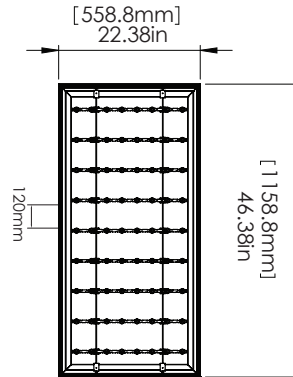
Variations may occur but will never exceed indicated values.

SIZES STANDARD

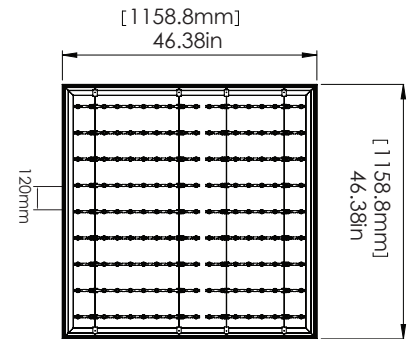
2'x2'



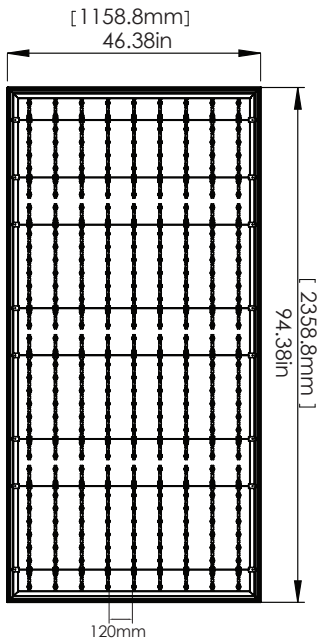
2'x4'



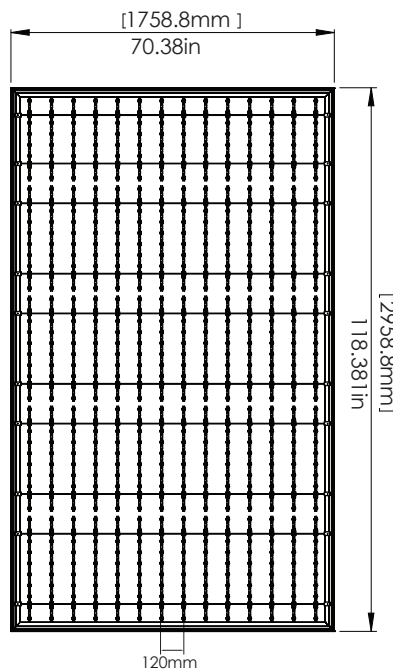
4'x4'



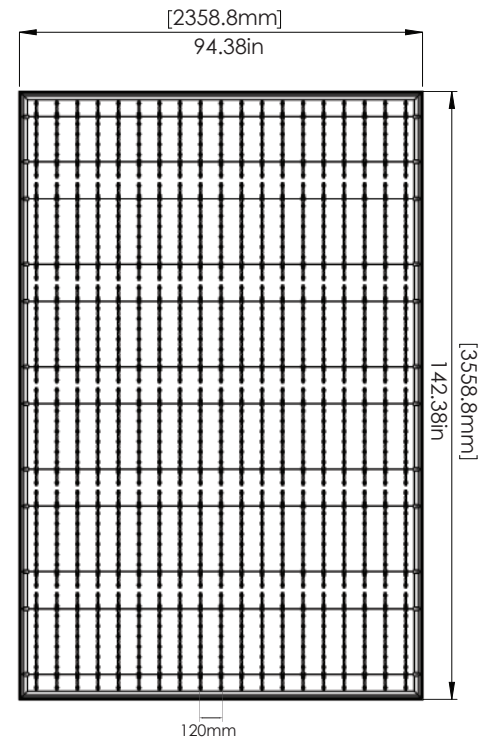
8'x4'



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 will never exceed indicated values.

LIGHTING PERFORMANCE AND EFFICIENCY

■ Light transmission (Premium)

Patterns	Percent of Perforation	Output
Fall	31%	262
Hive	37%	312
LightSpeed	24%	202
Maze	33%	278
Mondrian	16%	135
StarStream	13%	110

*Lumens are calculated for 4"x4" fixture. Pattern will decrease the lumen output.

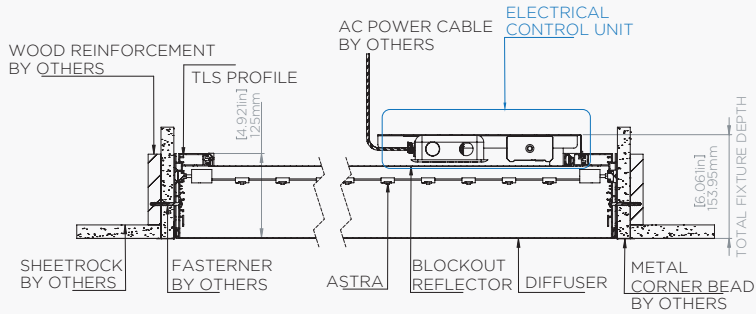
■ Light transmission (Standard)

Patterns	Percent of Perforation	Output
Fall	31%	114
Hive	37%	136
LightSpeed	24%	88
Maze	33%	121
Mondrian	16%	59
StarStream	13%	48

*Lumens are calculated for 4"x4" fixture. Pattern will decrease the lumen output.

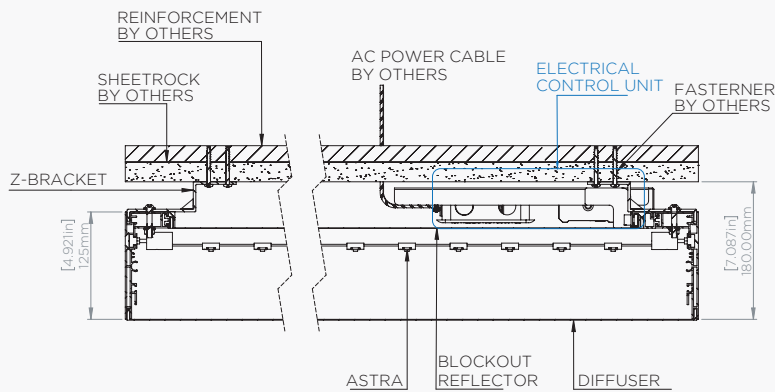
MOUNTING OPTIONS

Recessed (RD)

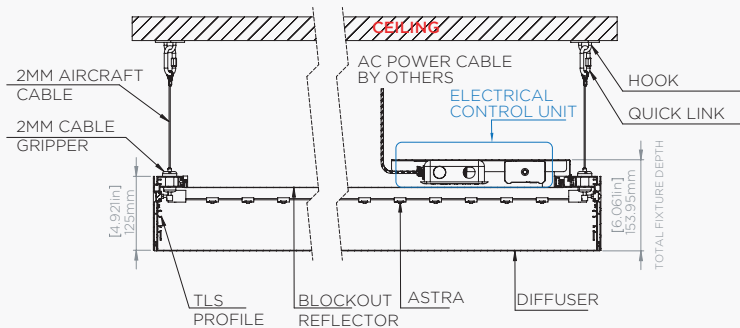


- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

Surface (SF)



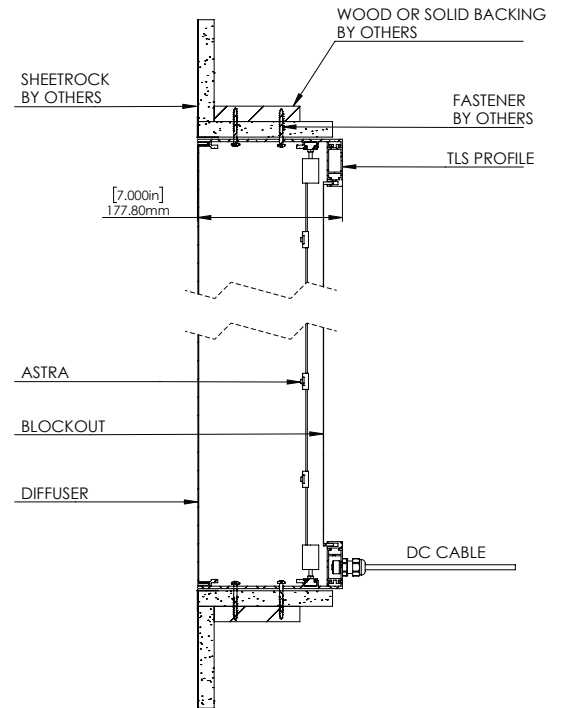
Suspended (SP)



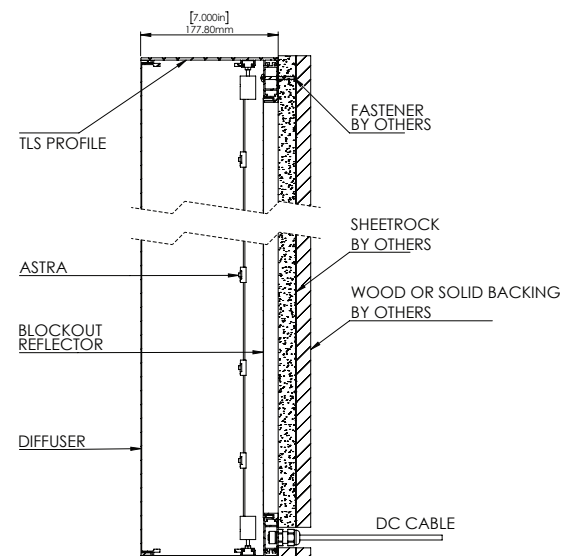
- Hooks to existing ceiling installed by others

Note: Parts reference numbers are available upon request.

Wall (WL)



Wall Surface

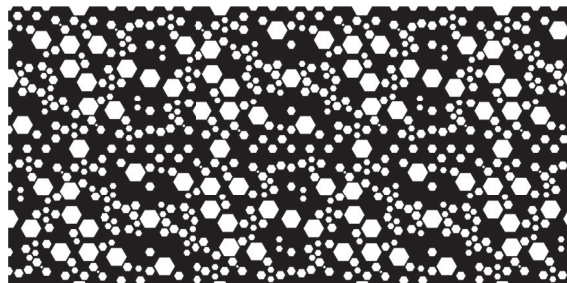


PATTERNS

▪ Fall (FL)



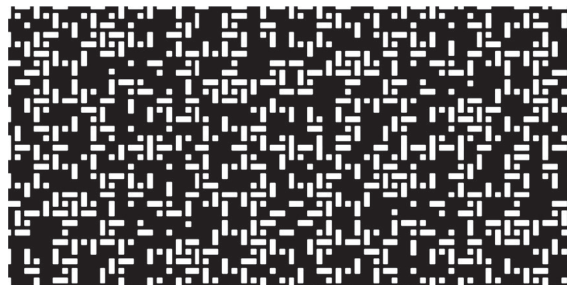
▪ Hive (HV)



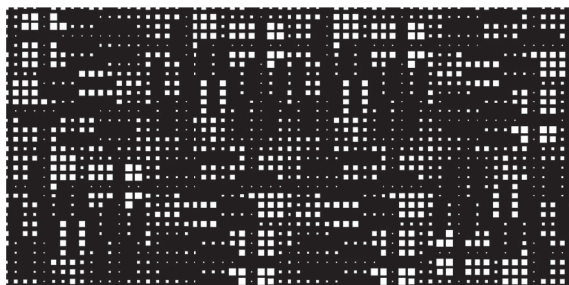
▪ LightSpeed (LE)



▪ Maze (MZ)



▪ Mondrian (MD)

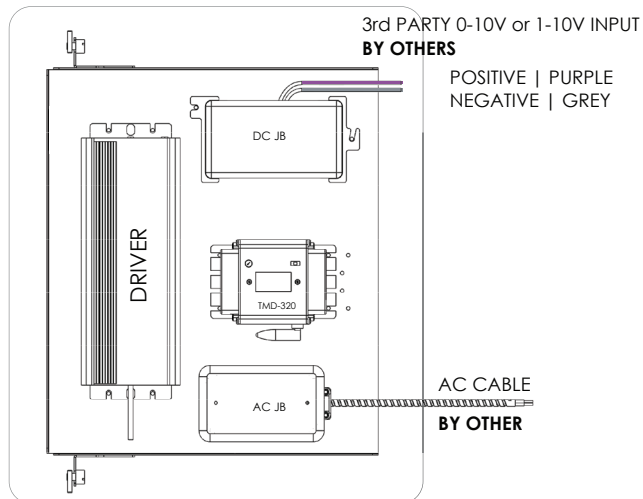


▪ StarStream (SS)

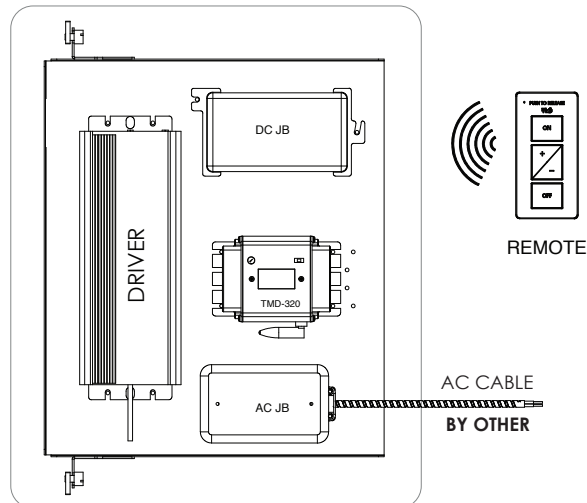


CONTROL

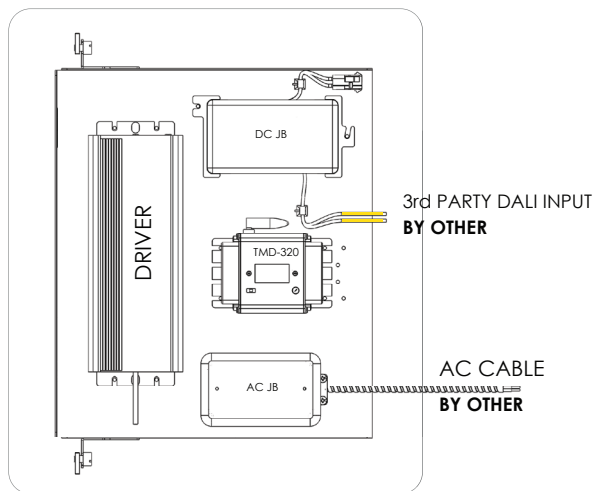
■ 0-10V (0/10)



■ 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