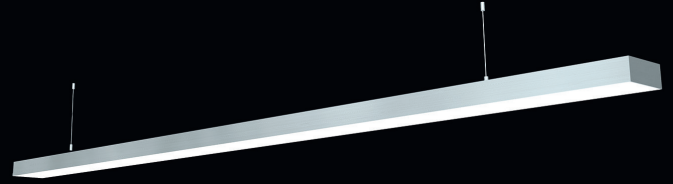


LumiCloud™ Linéa - Astra

Cut sheet

The Linéa Astra is an acoustical luminous cloud providing Edge to Edge homogeneous lighting, available in multiple CCT options. Its enclosed system has an integrated blackout reflector that maximizes the lumen output, making it a highly efficient lighting product. Select a suspended decorative architectural mounting finish, or a clean recessed look flush with your ceiling, or a surface-mounted option. Linéa Astra comes in 5 sizes, and can be dimmable with 0 to 10V or Dali.



Lighting performance

		6" x 4'	6" x 6'	6" x 8'	6" x 10'	6" x 16'	6" x 20'
Premium	Wattage	13.3W	20.3W	27.3W	34.3W	56W	70W
	Delivered lumens	724.2 lm	11005.3 lm	1486.5 lm	1867.6 lm	3049.2 lm	3811.5 lm
		12" x 4'	12" x 6'	12" x 8'	12" x 10'	12" x 16'	12" x 20'
	Wattage	26.6W	40.6W	54.6W	68.6W	112W	140W
	Delivered lumens	1448 lm	2210.7 lm	2972.9 lm	3735.27 lm	6098.4 lm	7623 lm
Standard		6" x 4'	6" x 6'	6" x 8'	6" x 10'	6" x 16'	6" x 20'
	Wattage	7W	10.5W	13.3W	17.5W	28W	35W
	Delivered lumens	330.75 lm	496.13 lm	628.43 lm	826.88 lm	1323 lm	1653.8 lm
		12" x 4'	12" x 6'	12" x 8'	12" x 10'	12" x 16'	12" x 20'
	Wattage	14W	21W	26.6W	35W	56W	70W
	Delivered lumens	661.5 lm	992.25 lm	1256.9 lm	1653.75 lm	2646 lm	3307.5 lm

Spec order guide

TLS-LC-LN-AS

↔

↑
↓

☀

⌂

⌊

⌋

⌌

⌍

⌎

Size (W)

Size(H)

Cct

Output

Mounting

Frame colour

Control

LS

Diffuser

Size (W)	Size (H)	Cct	Output*	Mounting	Frame color	Control	Diffuser
6" 6W	4' 4H	2200K 22K	Standard (536.1 lm/sqft)* S	Recessed RD	Black BL	0-10V 0-10	LightTex Silent LS
12" 12W	6' 6H	2700K 27K		Surface SF	White WH	No dimming ND	
	8' 8H	3000K 30K	Premium (1072.3 lm/sqft)* P	Suspended SP	Clear Anodized CA	Dali DA	Acoustical Diffuser
	10' 10H	3500K 35K		T-bar TB			
	16' 16H	4000K 40K					
	20' 20H	5600K 56K					
		6500K 65K					

* Lm/sqft are calculated at LED source

Example: TLS-LC-LN-AS - 6W6H - 30K - S - SF - WH - 0-10 - LS



Uniform lighting

With TLS's vast experience in backlighting, we have the perfect distance between the light source and the LightTexSilent. This creates a perfectly homogeneously lit surface.



Lightweight

The LumiCloud™ Linéa offers a light weight solution, thanks to its advanced lighting technology and mechanical design.



Acoustical

With an NRC of <math><0.8</math> the LumiCloud™ Linéa is a perfect solution for acoustical projects.



Immersion

Creating an immersive space that makes you feel englobed by the surrounding light, similarly as when you are outside. The LumiCloud™ Linéa helps with making any space feel more vibrant and welcoming.



Sustainability

Following the LEED guidelines, the LumiCloud™ Linéa uses all recyclable material.



Fire rating

The LightTexSilent diffuser has a class B certification for fire rating. Making it the perfect solution for spaces with a lot of traffic.



Seamless integration into any place

The LumiCloud™ Linéa can be integrated into any space, whether it is T-bar mounted, recessed, suspended or surface mounted. The fixture will seamlessly integrate.



Easy accessibility to plenum above

The LumiCloud™ Linéa gives you constant access to the plenum above with its easily removable parts.



Seamless fabric

A seamless fabric to provide homogenous edge to edge illumination.



Frameless design

The LumiCloud™ Linéa has a frameless design with edge to edge homogeneous lighting.



Plug and play

The lighting system comes pre-wired with integral drivers and controllers. This makes it a quick plug and play installation.

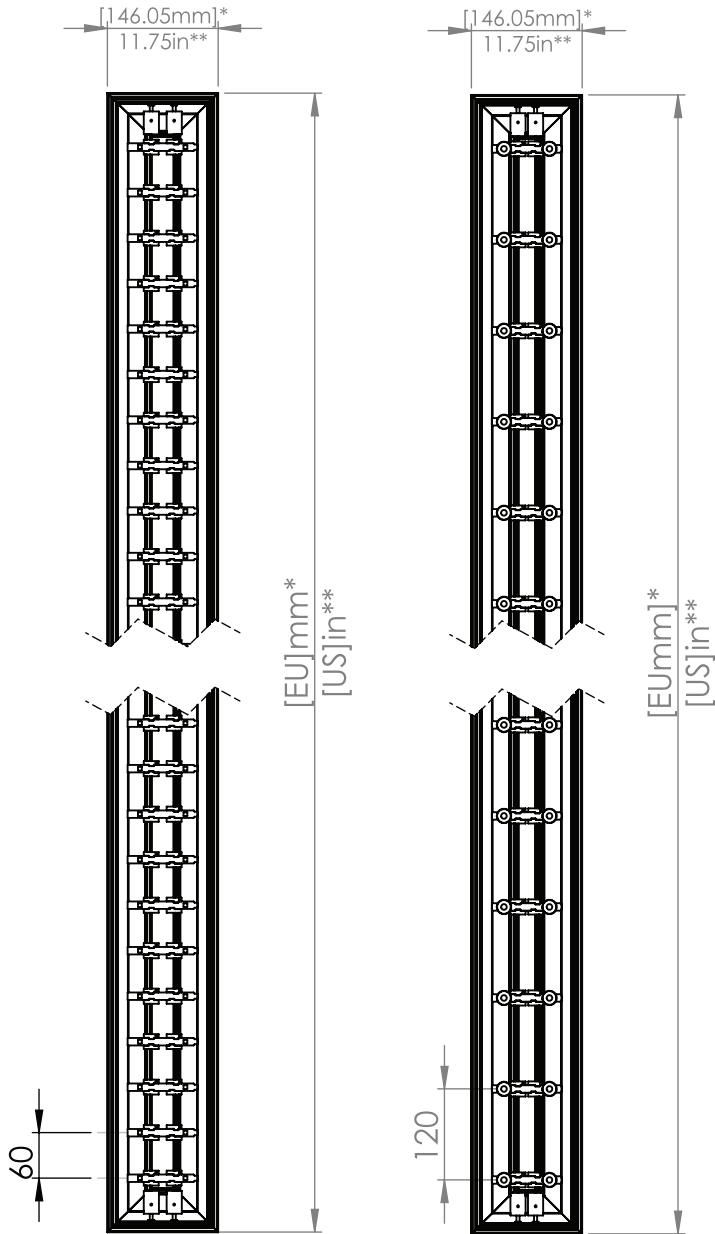
Actual dimensions

Linea 6 x (4', 6', 8', 10', 16', 20')

Linea 12 x (4', 6', 8', 10', 16', 20')

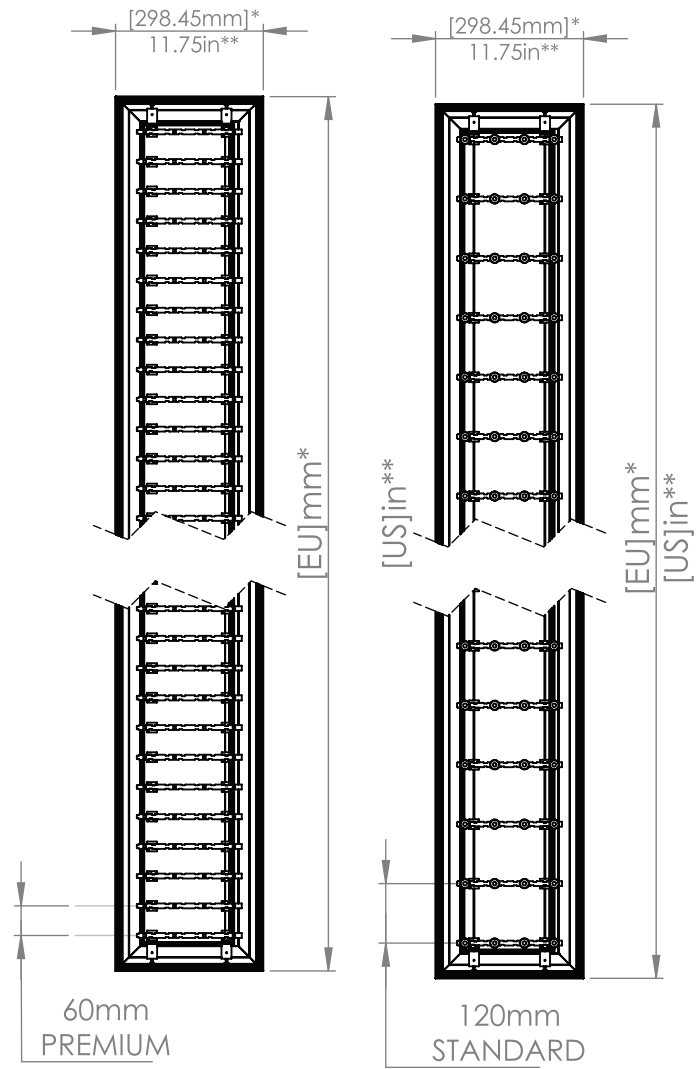
Astra Premium

Astra Standard



Astra Premium

Astra Standard



Lenght (ft)	4'	6'	8'	10'	16'	20'
EU (mm)	1212.85	1822.45	2432.05	3041.65	4870.45	6089.65
US (in)	47.75	71.75	95.75	119.75	191.75	239.75

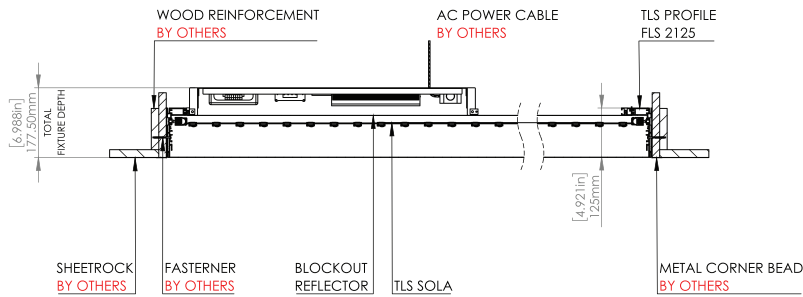
Lenght (ft)	4'	6'	8'	10'	16'	20'
EU (mm)	1212.85	1822.45	2432.05	3041.65	4870.45	6089.65
US (in)	47.75	71.75	95.75	119.75	191.75	239.75

* EU

** US

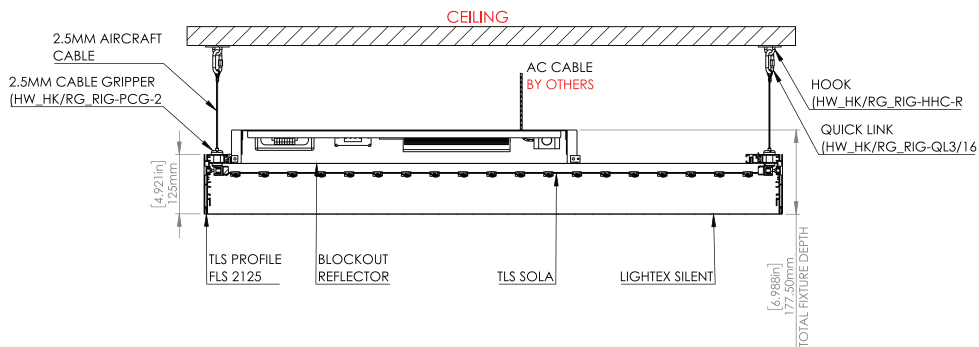
Mounting methods

Recessed (RD)



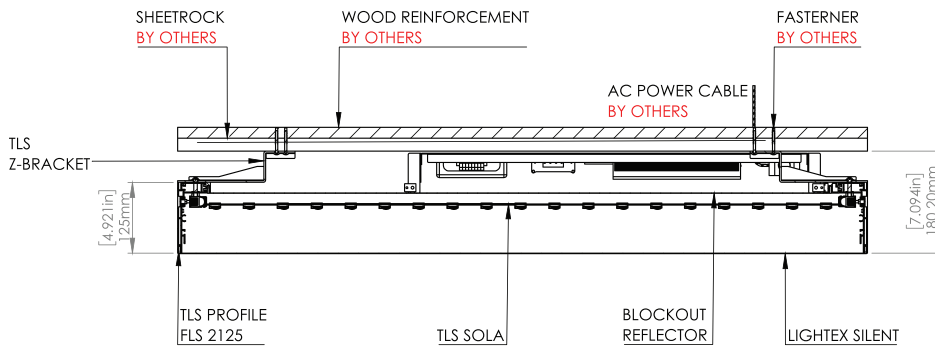
- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

Suspended (SP)

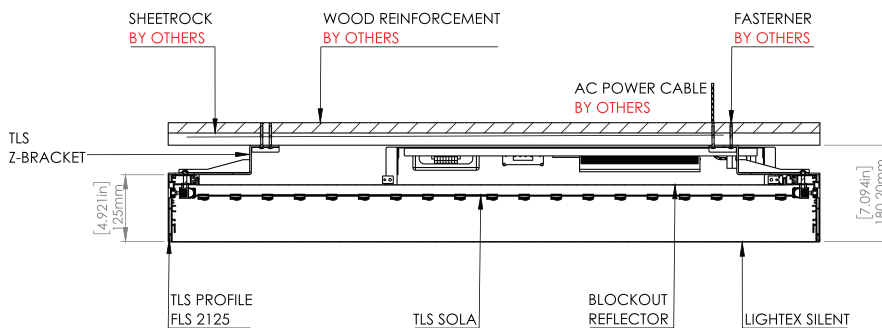


- Hooks to existing ceiling installed by others

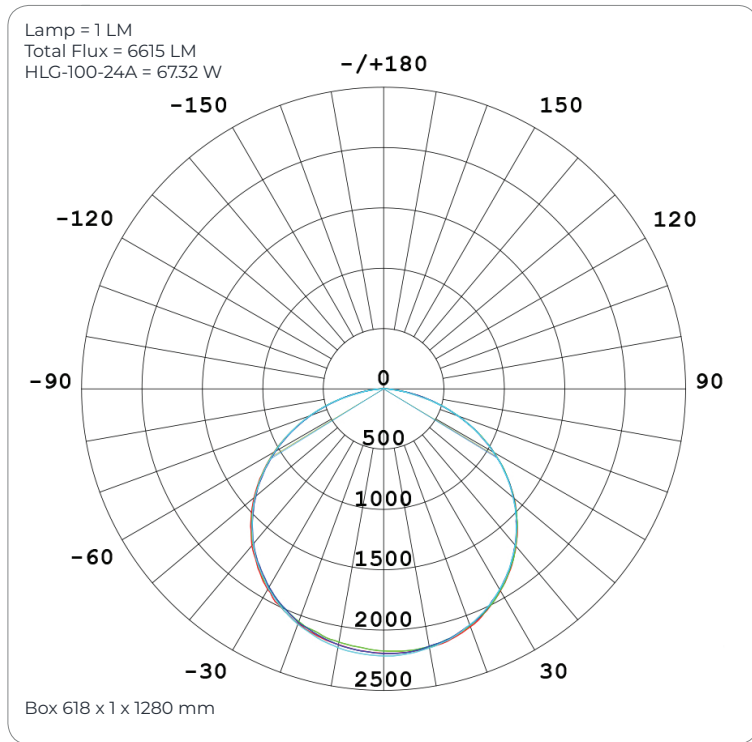
Surface mounted (SF)



T-bar (TB)



Photometric



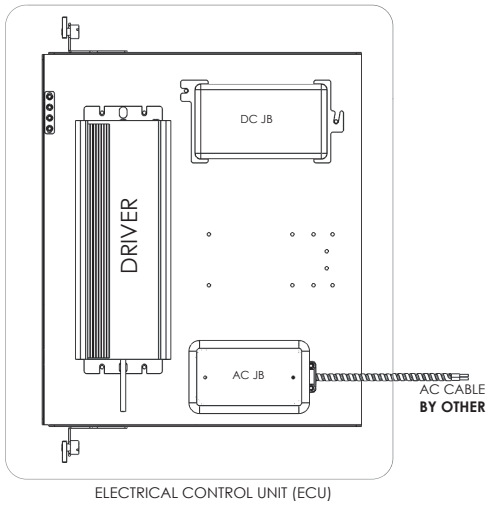
Example for 618 x 1280 mm box with premium configuration at 3000K
 · Lumens: 6615 · Voltage: 24 V · CRI: 90

DESCRIPTION	VALUE
LAMP	1 LM
TOTAL FLUX	6615 LM
HLG-100-24A	67.32 W
BOX	618 x 1 x 1280
TYPES OF CURVE	C
BEAM ANGLE	120°

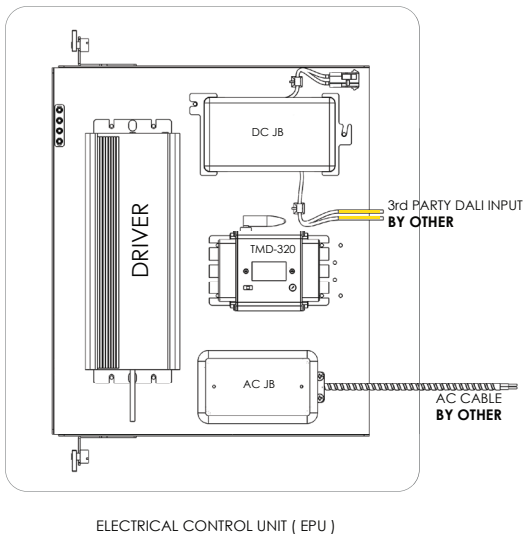
Tested in accordance of IESNA publication
 LM-79-80

Wiring layout

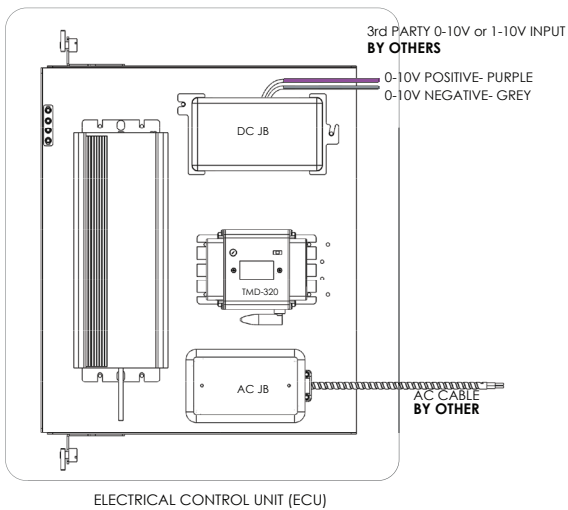
No dimming (ND)



Dali (DA)



0-10 (0-10)



Technical information on lighting and diffuser

Electrical

DRIVER MODELS	HLG-60-24A, HLG-100-24A, HLG-150-24A, HLG-240-24A, HLG-320-24A
	HLG-60-24B, HLG-100-24B, HLG-150-24B, HLG-240-24B, HLG-320-24B
INPUT VOLTAGE	90-305 V AC, 47-63 HZ
OUTPUT VOLTAGE	21-24 V DC
AC CABLE	Hard wire
BOARD POWER CONSUMPTION	3 W (10 LED)
APPROXIMATE SURFACE POWER CONSUMPTION	7 W / sqft (Premium), 3.5 W / sqft (Standard)

Lighting

INGRESS PROTECTION	IP22 (indoor)
LUMENS / SQFT	1072.3 LM (Premium), 536.1 LM (Standard)
CRI	> 90
EFFICIENCY	119 lm/W
LM80	(Astra) > 80000 hours, (Astra Opto) > 80000 hours
OPERATING TEMPERATURE	-30 °C TO 80 °C

Diffuser

FABRIC	100 % Polyester
WEIGHT	175 gr/sqm 18 gr/sqf
FIRE CLASSIFICATION	NFPA-701, B1, EN 13501-1, B-s1, d0
SOUND ABSORPTION COEFFICIENT	$\frac{Q_s = 0.82 \text{ (MH)}}{f_{1000 \text{ Hz}}} \quad NRC=0.82$ $Q_w = 0.50 \text{ (MH)}$ 