LumiCloud™ Collection
CARRA – VEGA
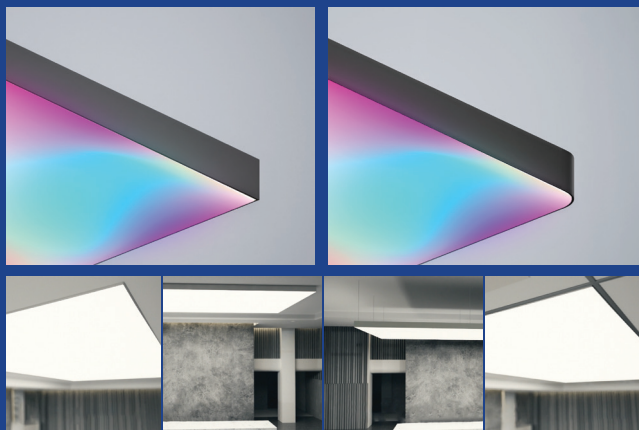
Spec by:

Agency:

Project Name:

Type of Project:

Notes:

RGBW · IP65 · IP22 RATED · 5 YEARS WARRANTY · UL · RoHS · Global Recycled Standard · BUY AMERICAN

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	32W	72W	162W	360W	700W	1140W
Delivered output (Lumens)		671 lm	1510 lm	3398 lm	7551 lm	14683 lm	23912 lm

Based on 6,500K CCT

ORDERING CODE

TLS	LC		CR		VG			
	Product		**Model**		**Engine**		**Rating**	
TLS	LumiCloud	LC	Carra	CR	Vega	VG	Indoor / Outdoor	IN / OUT

				RGBW65K	P	SA	LS
Size	**Frame**	**Mounting**	**Frame color**	**CCT**	**Output***	**Control**	**Diffuser**
2' x 2' 2x2 2' x 4' 2x4 4' x 4' 4x4 8' x 4' 8x4 10' x 6' 10x6 12' x 8' 12x8	Frameless squared corner SQ Frameless rounded corner RO	Recessed RD Surface SF Suspended SP T-bar [1] TB Wall Surface WLS Wall Recessed WLR	Black BL White WH Clear Anodized CA Silver [2] NS	RGBW (6500K) RGBW65K	Premium (563 lm/sqf)[3] P	Stand Alone SA	LightTex Silent LS

[1] Not for rounded corners

[2] Only for rounded corners

[3] Lm/sqf 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 4)
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

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

◼ **Frameless square corner (SQ)**

[4.921in]
125mm

[1.969in]
50mm

90⁰ corner
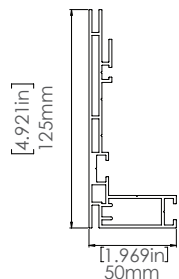
FLS 2125-V2

◼ **Frameless rounded corners (RO)**

[4.921in]
125mm

[1.969in]
50mm

3 in. rounded corner

FLS 2125-V2

SIZES

2'x2'

[558.8mm]
22.38in

60mm

[558.8mm]
22.38in

2'x4'

[558.8mm]
22.38in

60mm

[1558.8mm]
46.38in

4'x4'

[1158.8mm]
46.38in

60mm

[1158.8mm]
46.38in

8'x4'

[1158.8mm]
46.38in

60mm

[2358.8mm]
94.38in

10'x6'

[1758.8mm]
70.38in

60mm

[2958.8mm]
118.38in

12'x8'

[2358.8mm]
94.38in

60mm

[3558.8mm]
142.38in
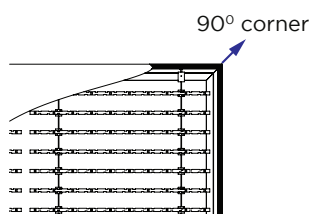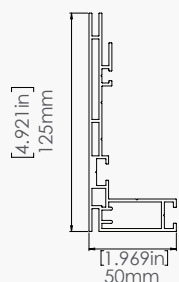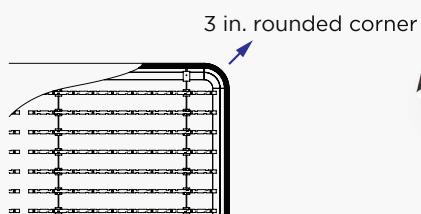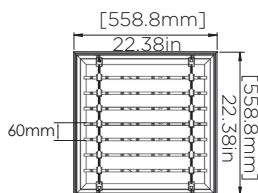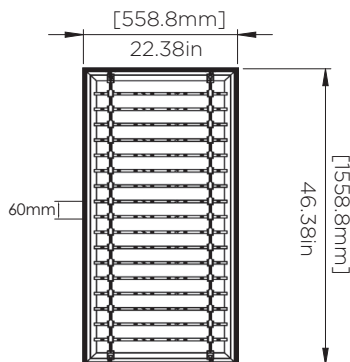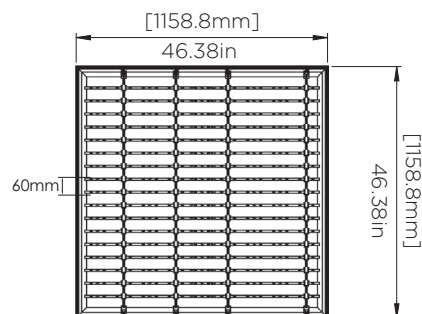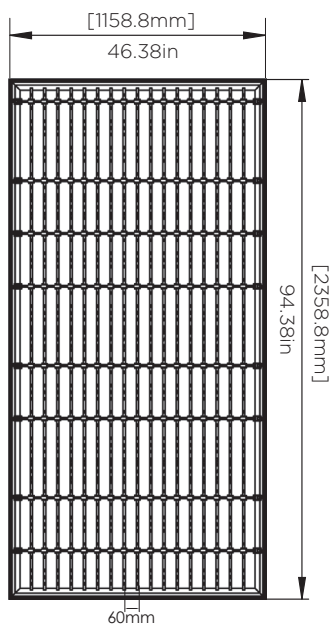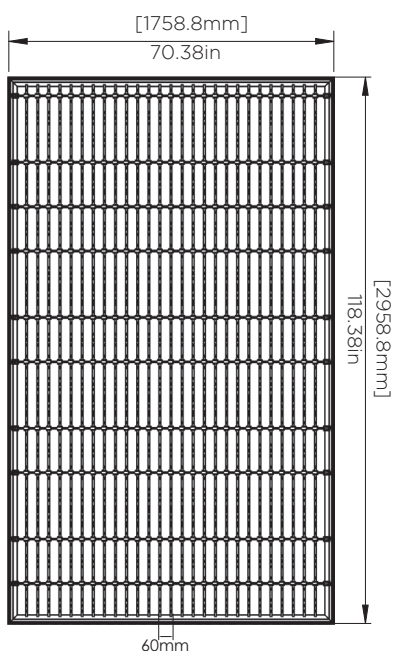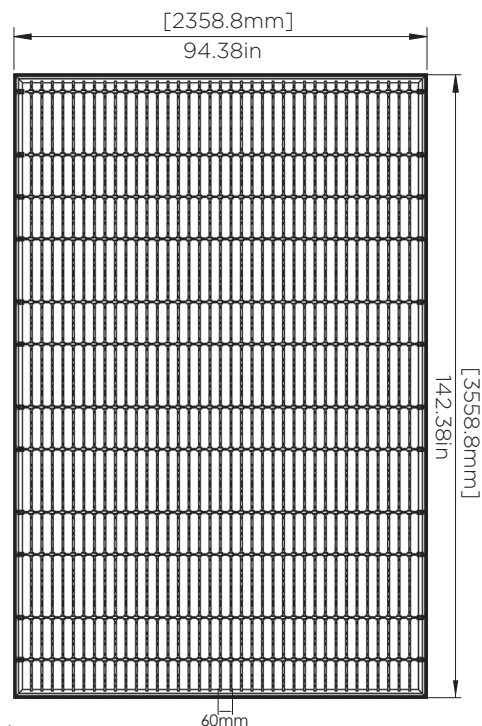
Note: Custom dimensions are available with LumiCloudTM Bespoke model.

■ Weight

Size	2'x2'	2'x4'	4'x4'	8'x4'	10'x6'	12'x8'
Kg	13	17	22	34	60	72
Lbs	28	38	49	74	133	154

Variations may occur but should not exceed indicated values.

LIGHTING PERFORMANCE AND EFFICIENCY

■ CCT Shifting

Output	CCT
	6,500K
Premium	6,545

■ Foot Candle per height

*Below dimensions are based on Premium Light Tex Silent

LumiCloud Collections - Carra

4' x 8'

Height	Foot Candle
6'	35 fc (377 lx)
8'	29 fc (312 lx)
10'	25 fc (269 lx)
12'	22 fc (237 lx)
14'	20 fc (215 lx)
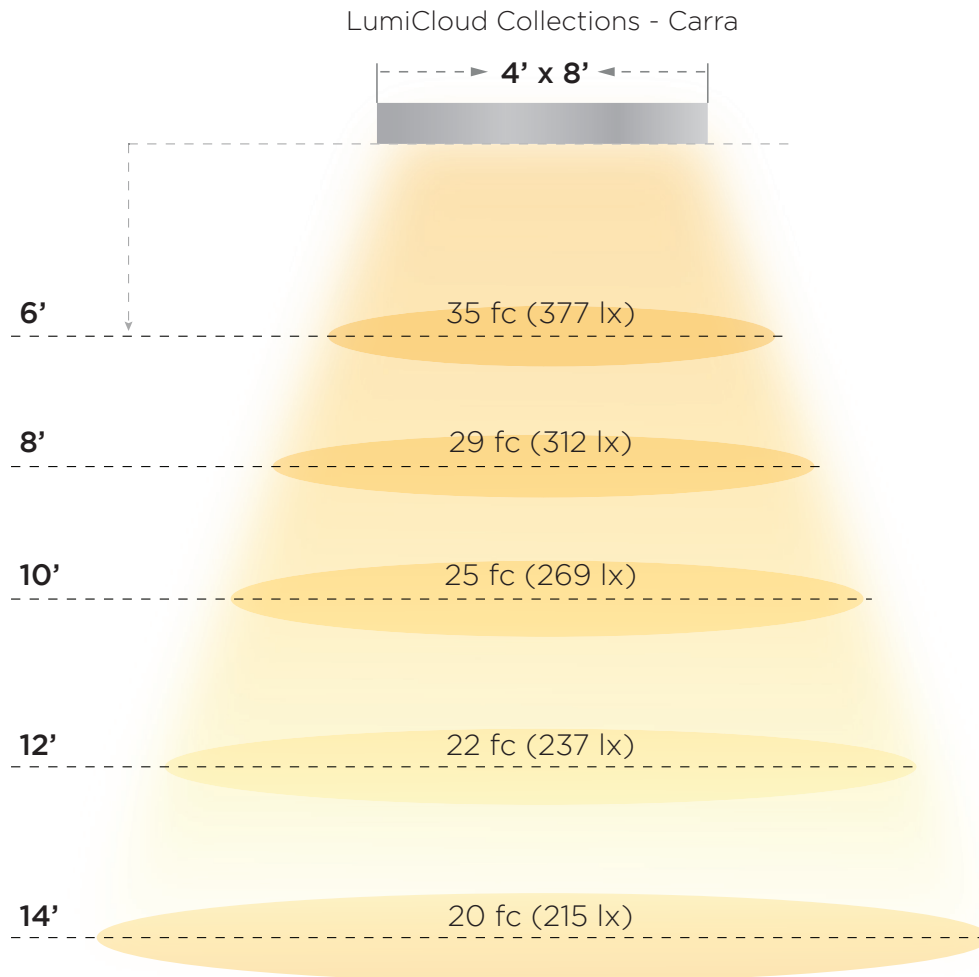
Note: Results are simulated based on 10' x 16' room & Reflection factors C70% W77% & F20% , other measurements available on requests.
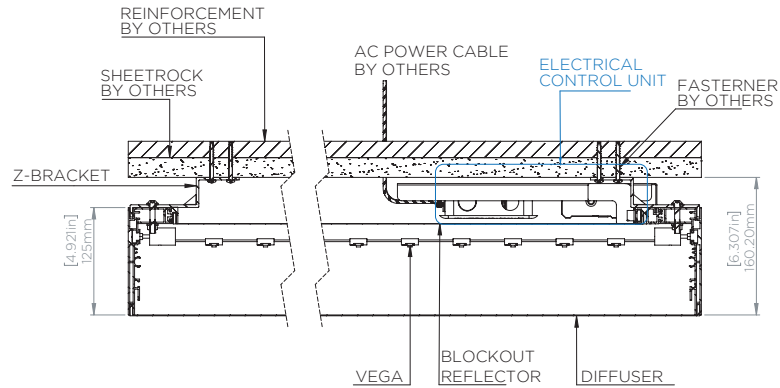Multiple panels will influence the foot candle.
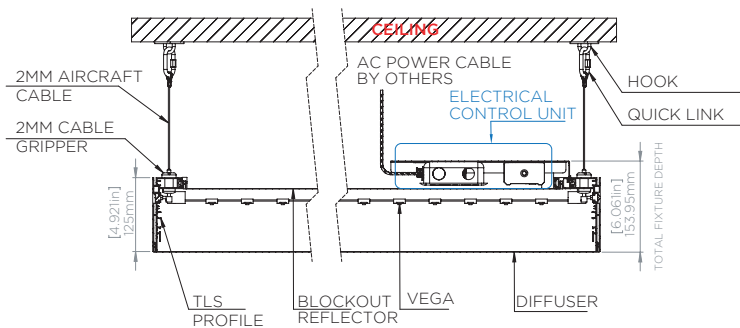
MOUNTING OPTIONS

Recessed (RD)

WOOD REINFORCEMENT BY OTHERS
TLS PROFILE
AC POWER CABLE BY OTHERS
ELECTRICAL CONTROL UNIT
[4.92in] 125mm
TOTAL FIXTURE DEPTH
[6.06in] 153.95mm

SHEETROCK BY OTHERS
FASTERNER BY OTHERS
VEGA
BLOCKOUT REFLECTOR
DIFFUSER
METAL CORNER BEAD BY OTHERS
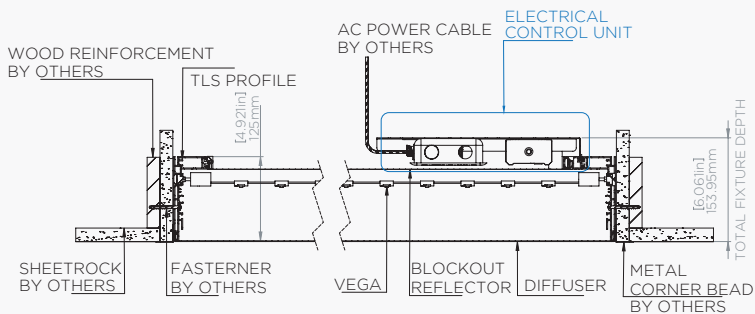
- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7"(177.8mm) deep

Surface (SF)

REINFORCEMENT BY OTHERS
SHEETROCK BY OTHERS
AC POWER CABLE BY OTHERS
ELECTRICAL CONTROL UNIT
FASTERNER BY OTHERS
Z-BRACKET
[4.92in] 125mm
[6.307in] 160.20mm

VEGA
BLOCKOUT REFLECTOR
DIFFUSER

Suspended (SP)

CEILING
2MM AIRCRAFT CABLE
2MM CABLE GRIPPER
AC POWER CABLE BY OTHERS
ELECTRICAL CONTROL UNIT
HOOK
QUICK LINK
[4.92in] 125mm
[6.06in] 153.95mm
TOTAL FIXTURE DEPTH

TLS PROFILE
BLOCKOUT REFLECTOR
VEGA
DIFFUSER

- Hooks to existing ceiling installed by others

T-bar (TB)

AC POWER CABLE BY OTHERS
ELECTRICAL CONTROL UNIT
TLS PROFILE
KEY HOLE PLATE
[4.92in] 125mm
[6.06in] 153.95mm
TOTAL FIXTURE DEPTH

T- BAR BY OTHER
VEGA
DIFFUSER
BLOCKOUT REFLECTOR
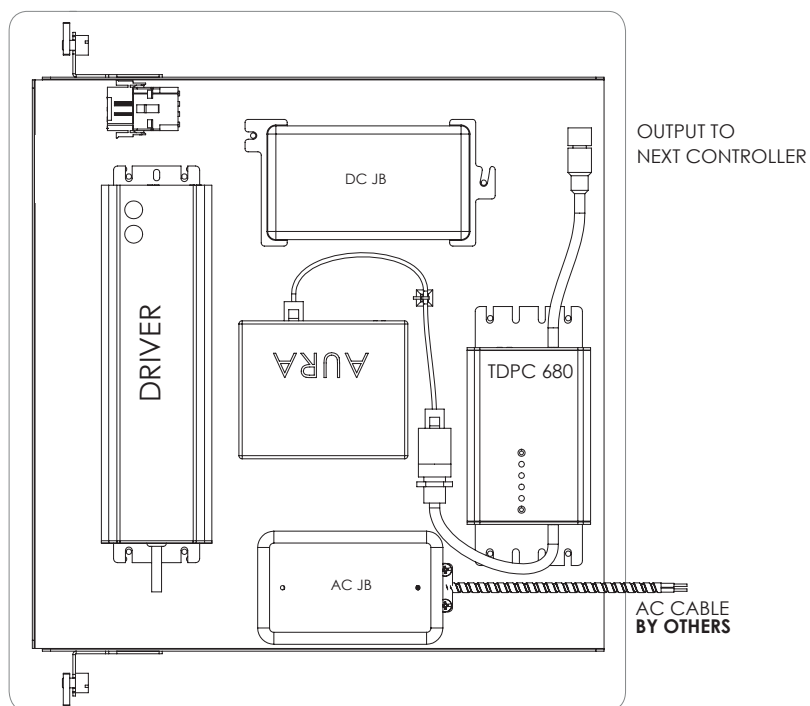HAND RETRACTABLE SPRING PLUNGER
T-BAR PROFILE
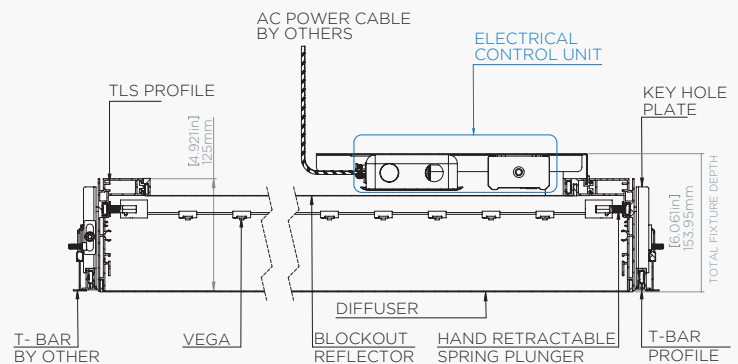
Note: Parts reference numbers are available upon request.

CONTROL

- **Stand alone (SA)**

- **Electrical**

Driver models	HLG-60-24A, HLG-100-24A, HLG-150-24A, HLG-240-24A, HLG-320-24A
Input voltage	90-277 V AC, 47-63 HZ
Output voltage	21-24 V DC