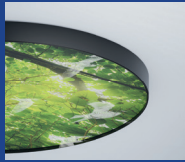
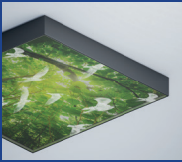


## LumiCloud™ 3D – ASTRA



Spec by:

Agency:

Project Name:

Type of Project:

Notes:

IP22  
RATED



## LIGHTING PERFORMANCE\*

| CARRA                     | Output   | Type    |          |          |
|---------------------------|----------|---------|----------|----------|
|                           |          | 8' x 4' | 10' x 6' | 12' x 8' |
| Power consumption (Watts) | Premium  | 252W    | 490W     | 798W     |
| Power consumption (Watts) | Standard | 126W    | 245W     | 399W     |

| CIRCA                     | Output   | Type  |        |        |        |        |
|---------------------------|----------|-------|--------|--------|--------|--------|
|                           |          | 4ft   | 5ft    | 6ft    | 8ft    | 10ft   |
| Power consumption (Watts) | Premium  | 92.4W | 156.8W | 217W   | 414.4W | 664.3W |
| Power consumption (Watts) | Standard | 47.6W | 70W    | 114.8W | 212.8W | 336.7W |

\* Power consumption is based on LED source (6500K)

## ORDERING CODE

| TLS | LC3D<br>Product          | Model           | AS<br>Engine    | Rating             | Size   |      |     | Frame                    | Mounting                     |
|-----|--------------------------|-----------------|-----------------|--------------------|--------|------|-----|--------------------------|------------------------------|
| TLS | LumiCloud 3D <b>LC3D</b> | Carra <b>CR</b> | Astra <b>AS</b> | Indoor <b>IN</b>   | 8'x4'  | 8x4  | 4'  | Squared corner <b>SQ</b> | Recessed <b>RD</b>           |
|     |                          | Circa <b>CI</b> |                 |                    | 10'x6' | 10x6 | 5'  | Rounded corner <b>RO</b> | Surface <b>SF</b>            |
|     |                          |                 |                 | Outdoor <b>OUT</b> | 12'x8' | 12x8 | 6'  | N/A*                     | Suspended <b>SP</b>          |
|     |                          |                 |                 |                    |        |      | 8'  |                          | T-bar <sup>1</sup> <b>TB</b> |
|     |                          |                 |                 |                    |        |      | 10' |                          | Wall Surface <b>WLS</b>      |
|     |                          |                 |                 |                    |        |      |     |                          | Wall Recessed <b>WLR</b>     |

\* for Circa

<sup>1</sup> Not available for Circa and rounded corners

| 56K              |                  | LM                                          |                     | 3DMF                     |                          | 3D Design*                                                                                                                                          |
|------------------|------------------|---------------------------------------------|---------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame color      | CCT              | Output*                                     | Control             | Diffuser                 | Diffuser                 |                                                                                                                                                     |
| Black <b>BL</b>  | 5600K <b>56K</b> | Premium (909 lm/sqf) <sup>2</sup> <b>P</b>  | 0-10V <b>O/10</b>   | LightTex Media <b>LM</b> | 3D Mesh Flex <b>3DMF</b> | * Browse the 3D inspirations in the cutsheet's final section or the full inspiration catalog. Choose your preferred design and enter its code here. |
| White <b>WH</b>  |                  | Standard (494 lm/sqf) <sup>2</sup> <b>S</b> | RF Remote <b>RM</b> |                          |                          |                                                                                                                                                     |
| Silver <b>NS</b> |                  |                                             | Dali <b>DA</b>      |                          |                          |                                                                                                                                                     |

<sup>2</sup> Lm/sqf are calculated at LED source

## TECHNICAL SPECIFICATIONS

### ■ Diffuser

|                            | LightTex Media                     | 3D Mesh Flex                       |
|----------------------------|------------------------------------|------------------------------------|
| <b>Material</b>            | 100 % Polyester                    | 100 % Polyester                    |
| <b>Weight</b>              | 172 gr/m2 (16 gr/ft2 )             | 43gr/m2 (4gr/ft2)                  |
| <b>Fire classification</b> | NFPA-701, B1, EN 13501-1, B-s1, d0 | NFPA-701, B1, EN 13501-1, B-s1, d0 |

### ■ Frame color

| Material               | Aluminum                                                                                   |                                                                                            |                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Standard colors</b> | Black<br> | White<br> | Silver<br> |

Note: Custom colors are available.

### ■ Lighting

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

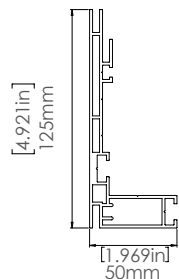
Note: \*LM80 Test is only applicable to white pixels.

|                  |                                 |
|------------------|---------------------------------|
| <b>Warranty*</b> | 5-year limited warranty for LED |
|------------------|---------------------------------|

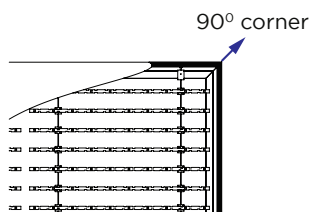
\* Warranty Terms and Conditions at [www.tls-led.com/warranty](http://www.tls-led.com/warranty)

## FRAME

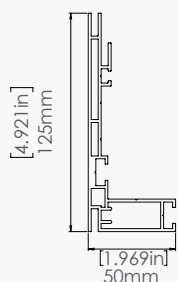
### ■ Frameless square corner (SQ)



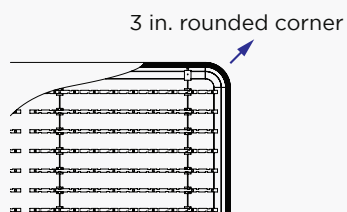
FLS 2125-V2



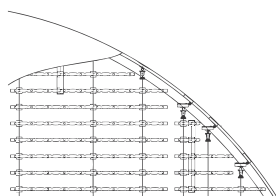
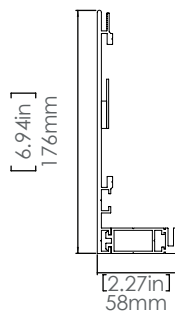
### ■ Frameless rounded corners (RO)



FLS 2125-V2

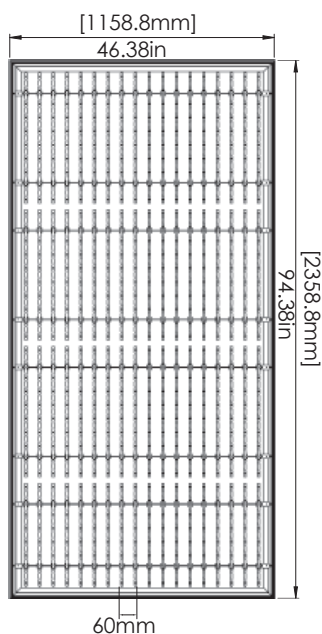


### ■ Circa

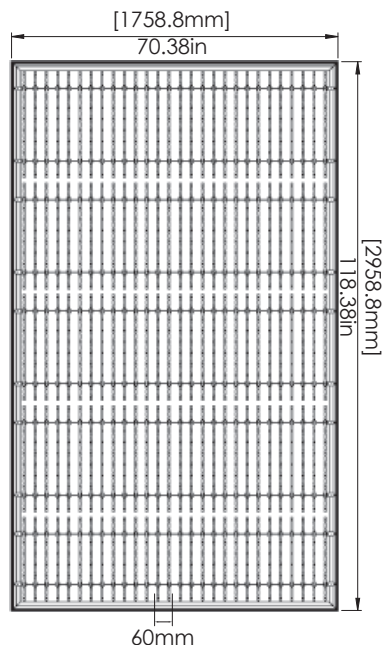


## SIZES PREMIUM

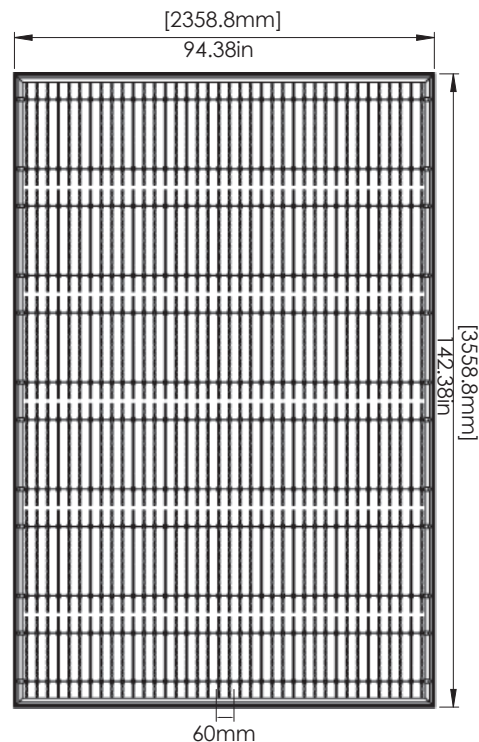
### 8'x4'



### 10'x6'



### 12'x8'



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

### ■ Carra Square Corners Weight (Premium)

| Size | 4'x8' | 6'x10' | 8'x12' |
|------|-------|--------|--------|
| Kg   | 33.4  | 59.6   | 71.3   |
| Lbs  | 73.7  | 131.4  | 157.1  |

### ■ Carra Rounded Corners Weight (Premium)

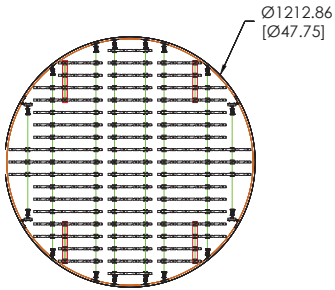
| Size | 4'x8' | 6'x10' | 8'x12' |
|------|-------|--------|--------|
| Kg   | 33.6  | 59.7   | 71.4   |
| Lbs  | 74.0  | 131.7  | 157.4  |

Variations may occur but should not exceed indicated values.

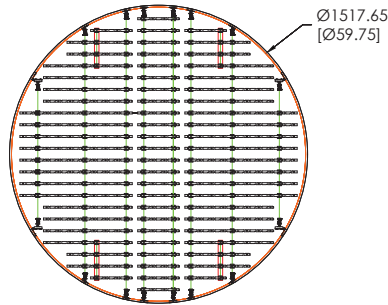


## SIZES PREMIUM

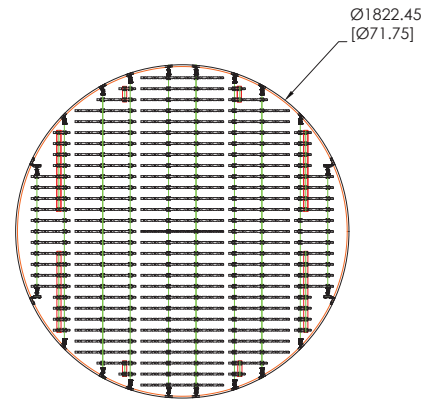
4ft



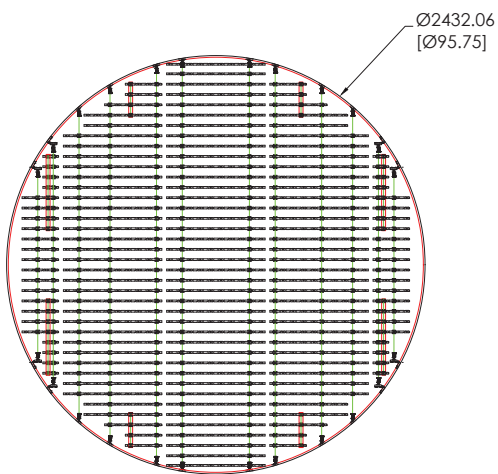
5ft



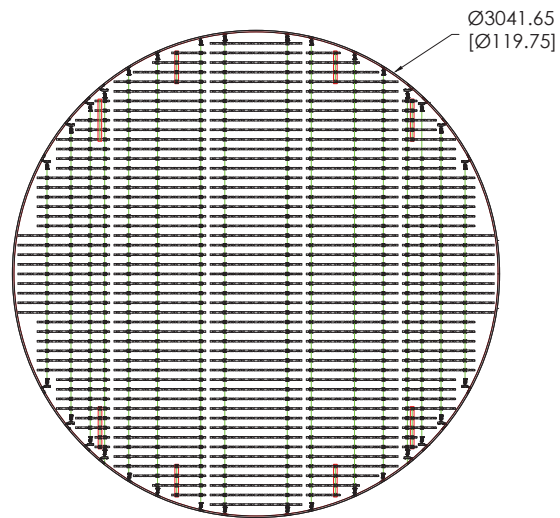
6ft



8ft



10ft



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

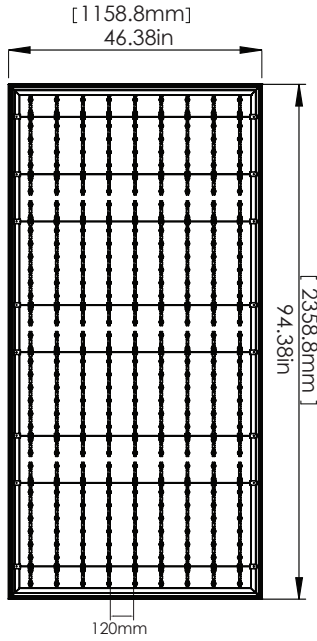
### ■ Circa Weight (Premium)

| Size       | 4ft  | 5ft  | 6ft  | 8ft   | 10ft  |
|------------|------|------|------|-------|-------|
| <b>Kg</b>  | 26.8 | 32.1 | 38.3 | 54.4  | 76.2  |
| <b>Lbs</b> | 59.1 | 70.7 | 84.4 | 119.9 | 168.1 |

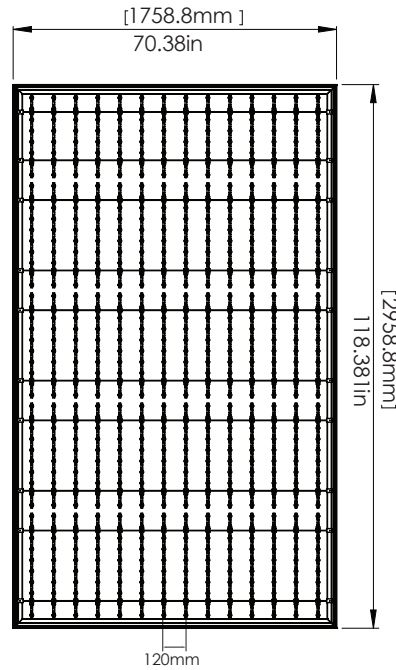
Variations may occur but should not exceed indicated values.

## SIZES STANDARD

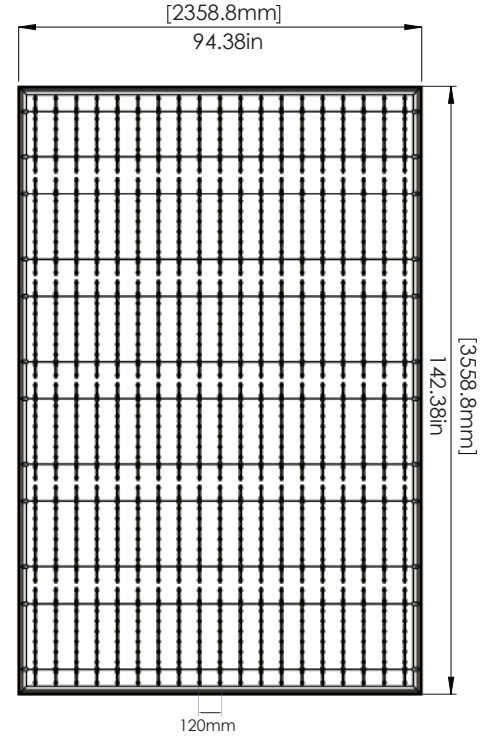
### 8'x4'



### 10'x6'



### 12'x8'



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

#### ■ Carra Square Corners Weight (Premium)

| Size | 4'x8' | 6'x10' | 8'x12' |
|------|-------|--------|--------|
| Kg   | 31.4  | 48.8   | 67.3   |
| Lbs  | 69.2  | 107.5  | 148.3  |

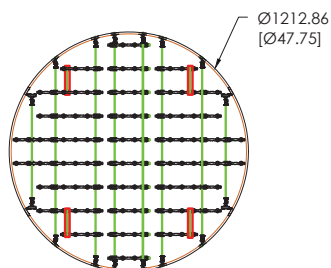
#### ■ Carra Rounded Corners Weight (Premium)

| Size | 4'x8' | 6'x10' | 8'x12' |
|------|-------|--------|--------|
| Kg   | 31.6  | 48.9   | 67.4   |
| Lbs  | 69.6  | 107.9  | 148.6  |

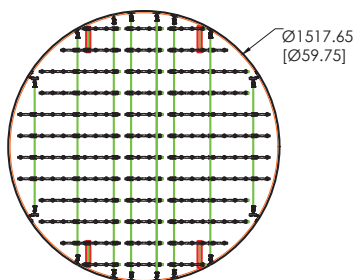
Variations may occur but should not exceed indicated values.

## SIZES PREMIUM

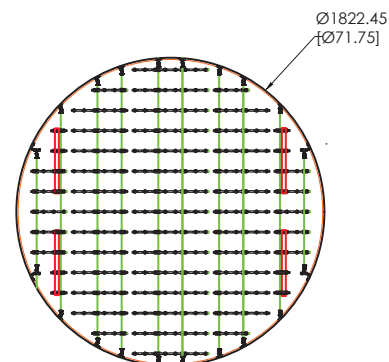
4ft



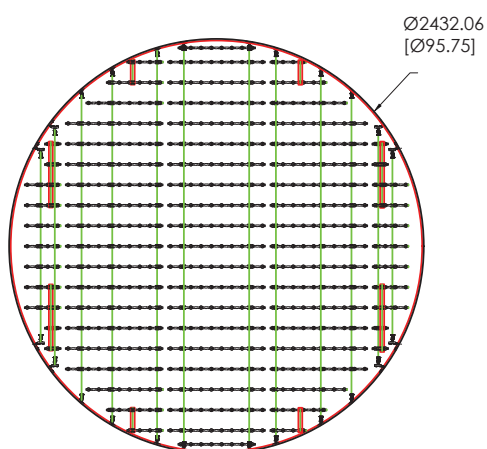
5ft



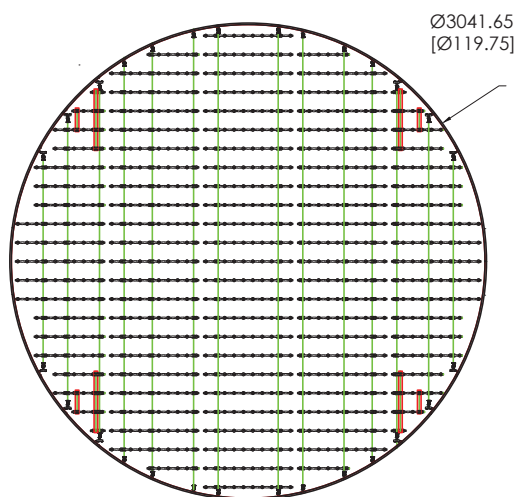
6ft



8ft



10ft



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

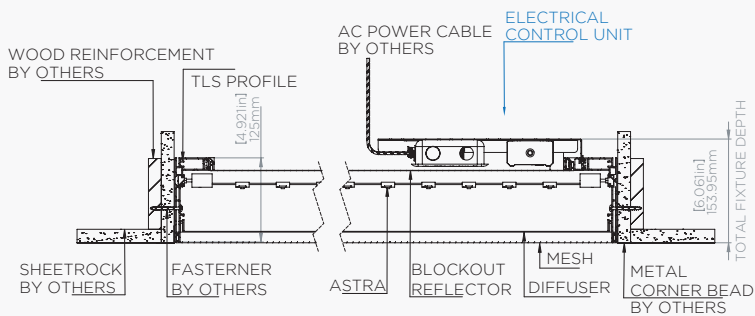
### ■ Circa Weight (Premium)

| Size       | 4ft  | 5ft  | 6ft  | 8ft   | 10ft  |
|------------|------|------|------|-------|-------|
| <b>Kg</b>  | 26.3 | 31.4 | 37.1 | 50.2  | 67.9  |
| <b>Lbs</b> | 58.0 | 69.2 | 81.8 | 110.6 | 149.7 |

Variations may occur but should not exceed indicated values.

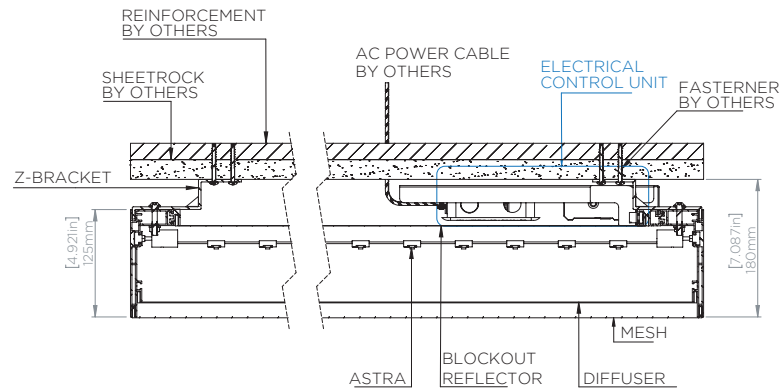
## MOUNTING OPTIONS (CARRA PREMIUM AND STANDARD)

### Recessed (RD)

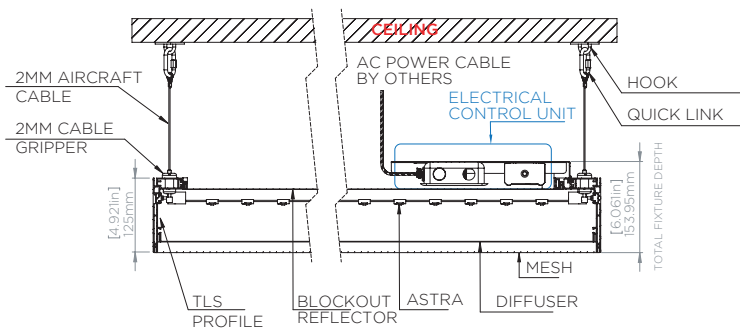


- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

### Surface (SF)

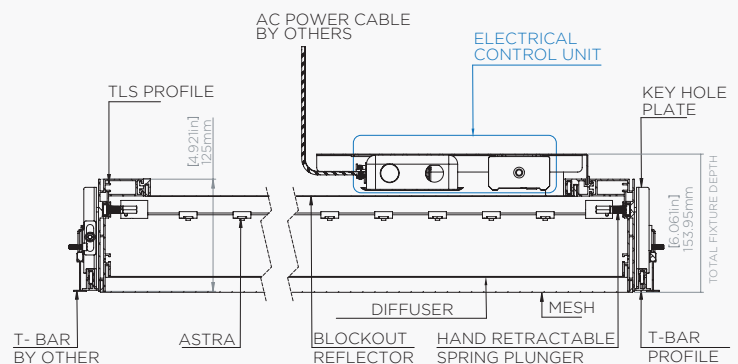


### Suspended (SP)



- Hooks to existing ceiling installed by others

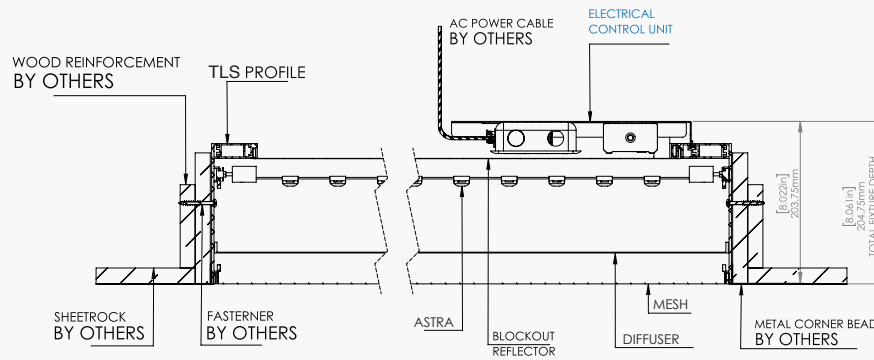
### T-bar (TB)



Note: Parts reference numbers are available upon request.

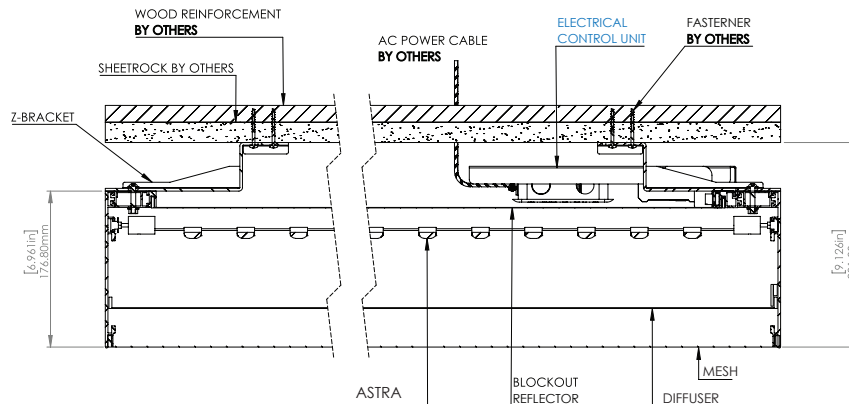
## MOUNTING OPTIONS (CIRCA STANDARD)

### ■ Recessed (RD)

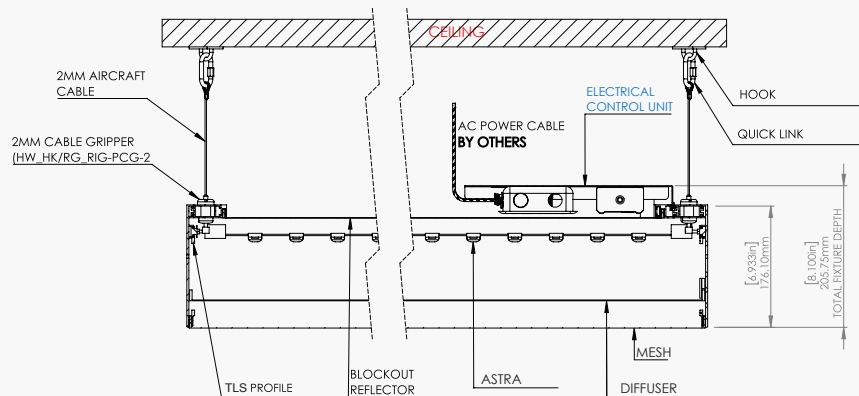


- Cavity to be 1/8" (3mm) over nominal
- Cavity to be minimum 7" (177.8mm) deep

### ■ Surface mounted (SF)



### ■ Suspended (SP)

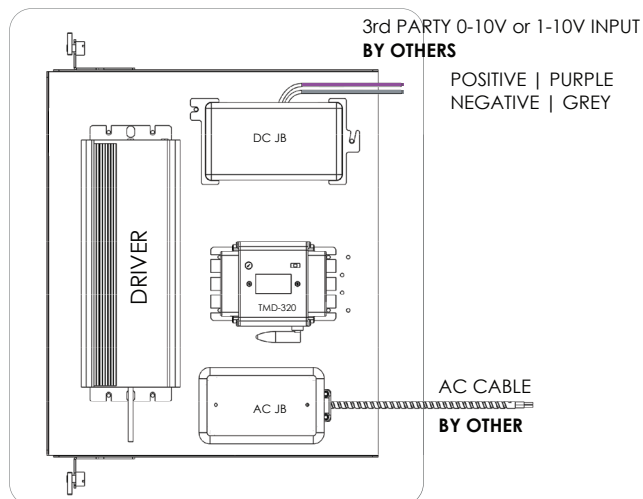


- Hooks to existing ceiling installed by others

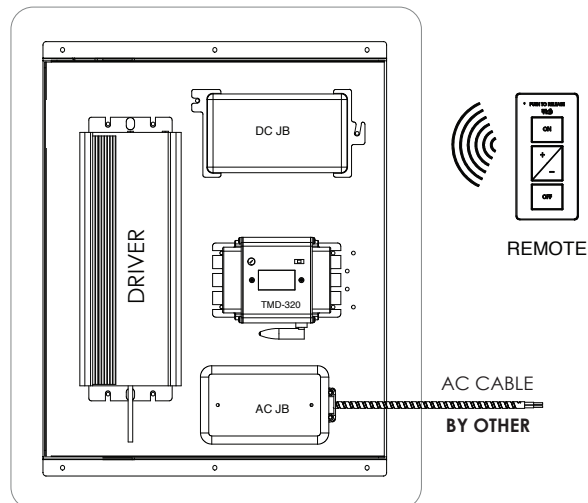
Note: Parts reference numbers are available upon request.

## CONTROL

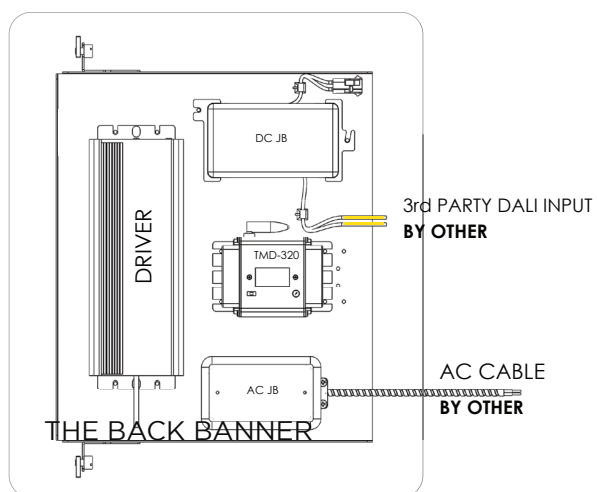
### ■ 0-10V (0/10)



### ■ RF Remote (RM)



### ■ Dali (DA)



### ■ Electrical

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

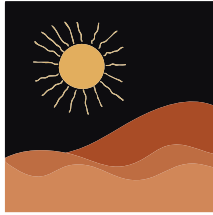
## INSPIRATIONAL 3D OPTIONS

### ■ Light with Depth, Dimension, and Design

LumiCloud 3D introduces a new way to experience illumination—where light and pattern combine to create a **stunning three-dimensional visual effect**. The result is a bold statement that transforms ceilings and walls into vibrant, dynamic surfaces.



THE BACK BANNER



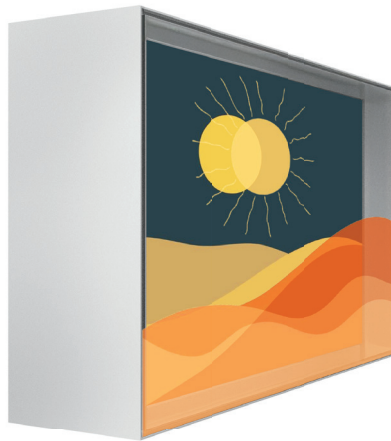
THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ The Back Banner + the Mesh Banner

- **The back banner** (solid) provides the background scene.
- **The front mesh banner** adds semi-transparent elements that create depth and motion when viewed from different angles.
- **The distance** between the two banners amplifies the 3D effect.



Choose from a curated range of **visual patterns**, designed to inspire every environment:

**Distinctive. Immersive. Memorable.**

LumiCloud 3D transforms ordinary illumination into a **multi-dimensional experience**.



## INSPIRATIONAL 3D OPTIONS

### ■ Ceiling Skyward Whisper Code: **CSW01**



THE BACK BANNER



THE FRONT  
MESH BANNER

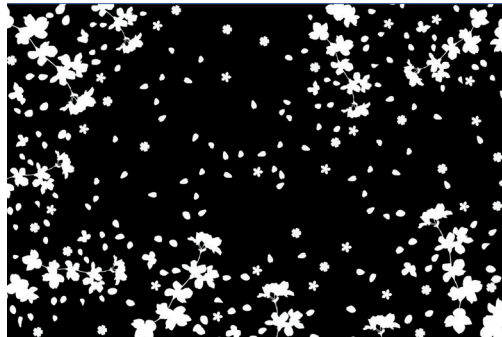


THE BACK BANNER +  
MESH BANNER

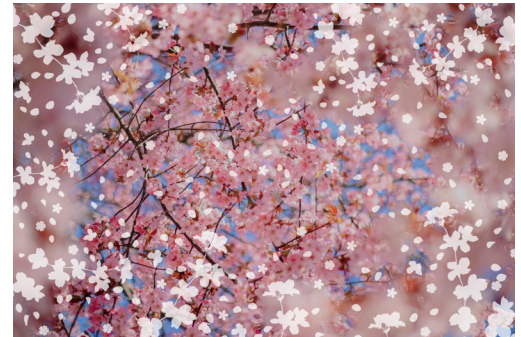
### ■ Ceiling Sakura Breeze Code: **CSB02**



THE BACK BANNER

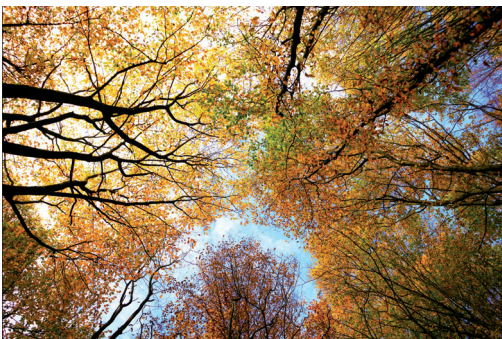


THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

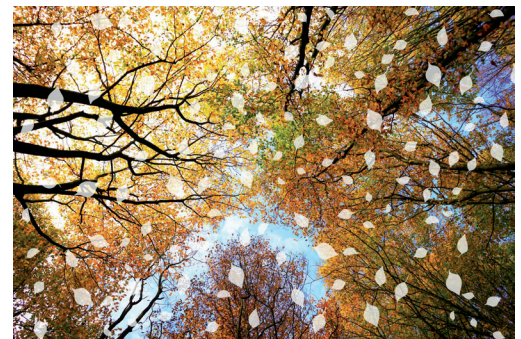
### ■ Ceiling The Falling Season Code: **CFS03**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER



## INSPIRATIONAL 3D OPTIONS

### ■ Wall Celestial Forest Code: **CCF04**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Wall Verdant Veil Code: **WVV05**



THE BACK BANNER

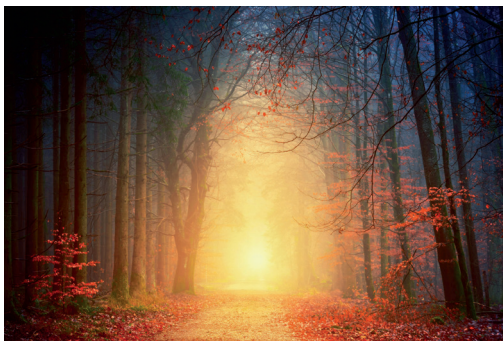


THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

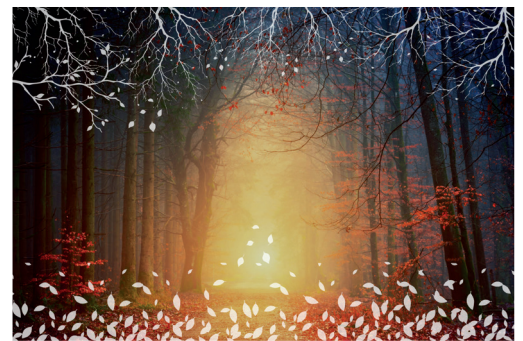
### ■ Wall Whispers of Spring Code: **WWS06**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER



## INSPIRATIONAL 3D OPTIONS

### ■ Ceiling Celestial Roots Code: **CCR07**



THE BACK BANNER

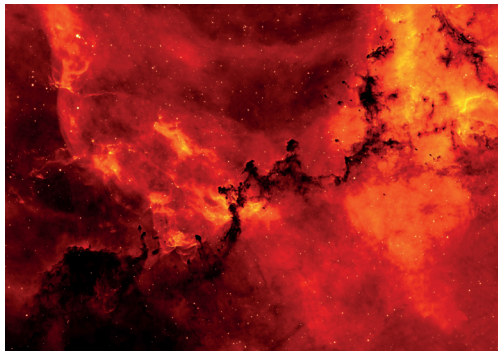


THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

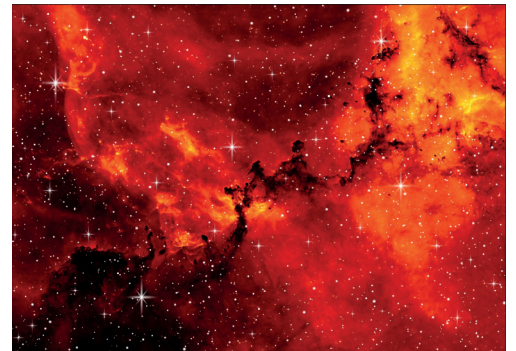
### ■ Ceiling The Ember Sky Code: **CES08**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Ceiling Lunar Reverie Code: **CLR09**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

## INSPIRATIONAL 3D OPTIONS

### ■ Wall Celestial Tide

Code: **WCT10**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Wall Silent Constellations

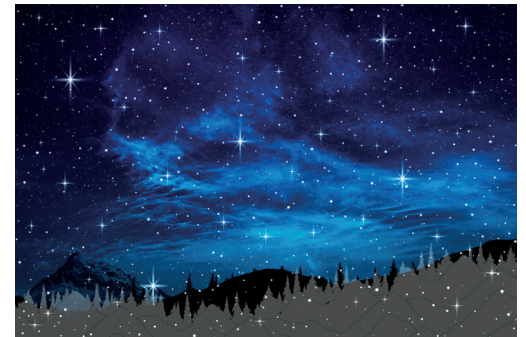
Code: **WSC11**



THE BACK BANNER



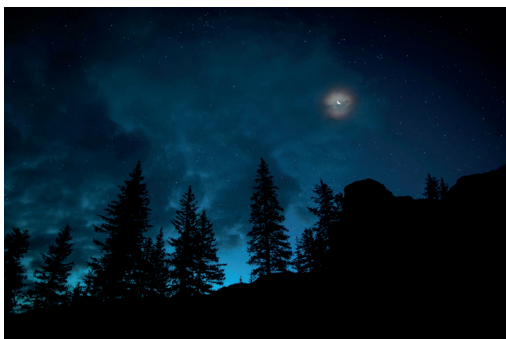
THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Wall Echoes of Midnight

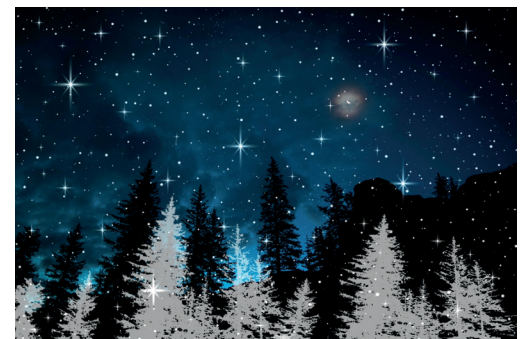
Code: **WEM12**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

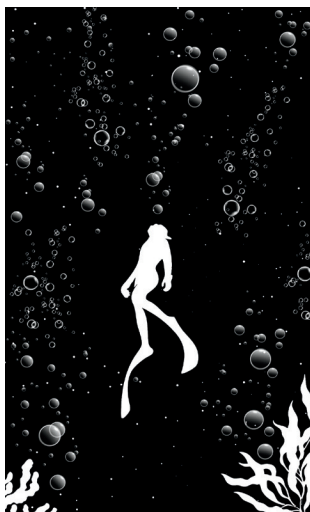


## INSPIRATIONAL 3D OPTIONS

### ■ Wall Abyss of Light Code: **WAL13**



THE BACK BANNER

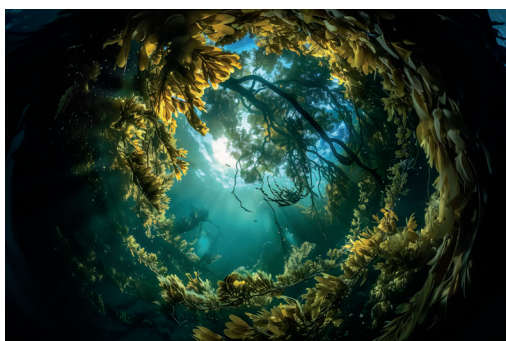


THE FRONT  
MESH BANNER

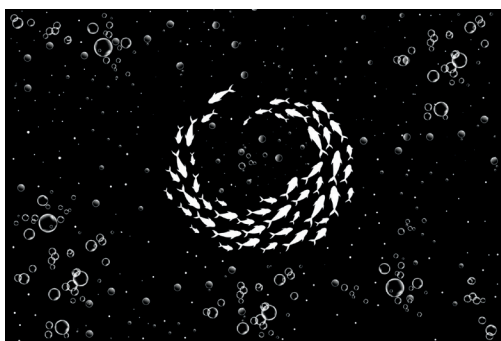


THE BACK BANNER +  
MESH BANNER

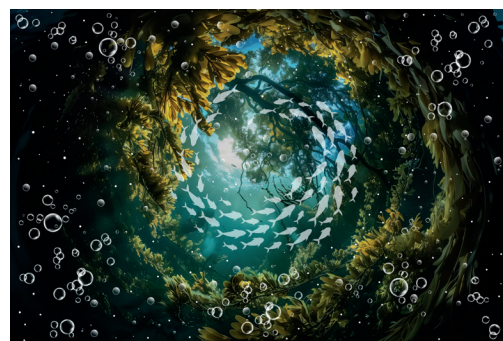
### ■ Ceiling Ocean Layers Code: **COL14**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Ceiling Dance of the Rays Code: **CDR15**



THE BACK BANNER



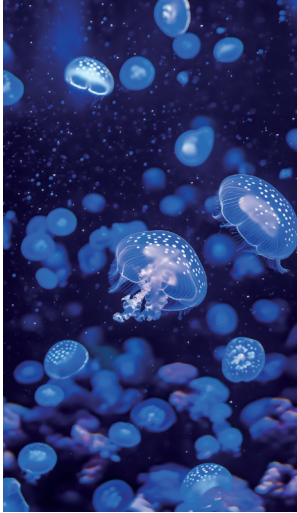
THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

## INSPIRATIONAL 3D OPTIONS

### ■ Wall The Silent Bloom Code: **WSB16**



THE BACK BANNER



THE FRONT  
MESH BANNER

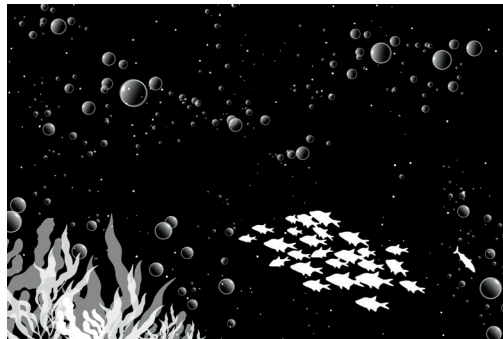


THE BACK BANNER +  
MESH BANNER

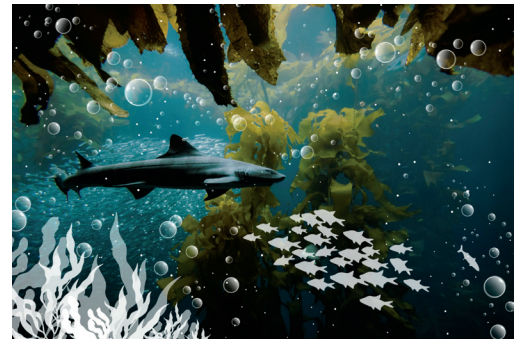
### ■ Wall The Hunter's Current Code: **WHC17**



THE BACK BANNER

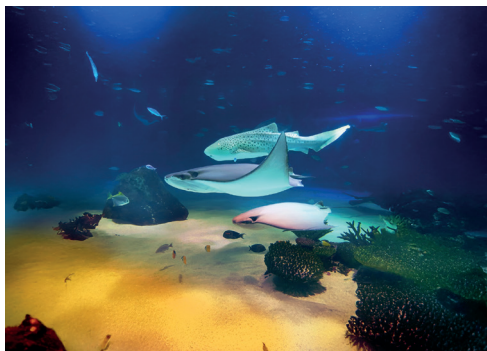


THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

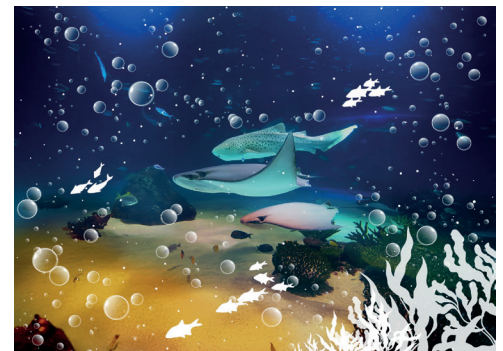
### ■ Wall The Ocean Floor Code: **WOF18**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER



## INSPIRATIONAL 3D OPTIONS

- **Wall / Ceiling Amber Waves**  
Code: **WCAW19**



THE BACK BANNER

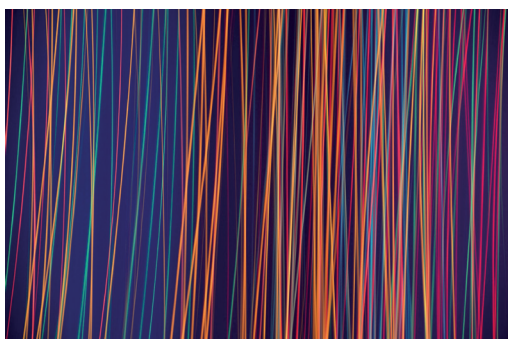


THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

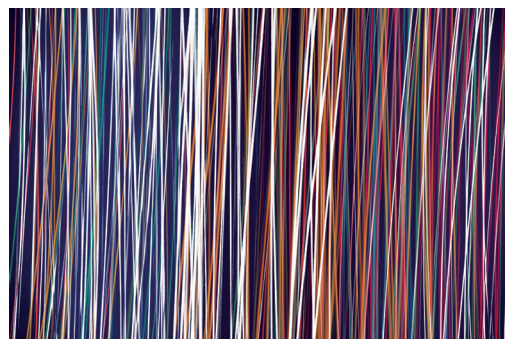
- **Wall / Ceiling Electric Flow**  
Code: **WCEF20**



THE BACK BANNER

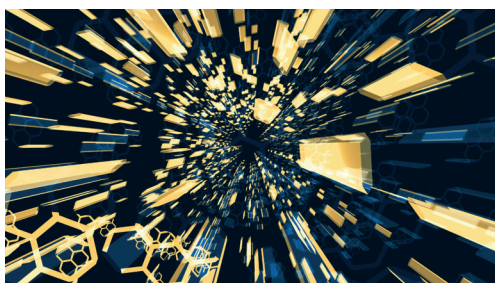


THE FRONT  
MESH BANNER

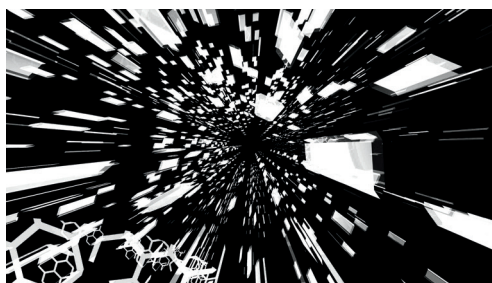


THE BACK BANNER +  
MESH BANNER

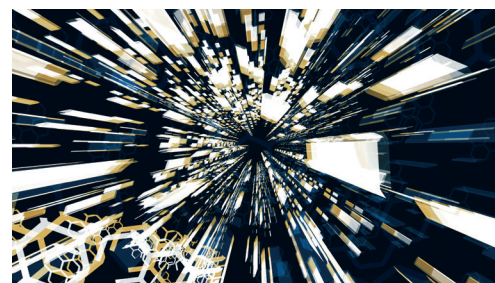
- **Wall / Ceiling Quantum Flow**  
Code: **WCQF21**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

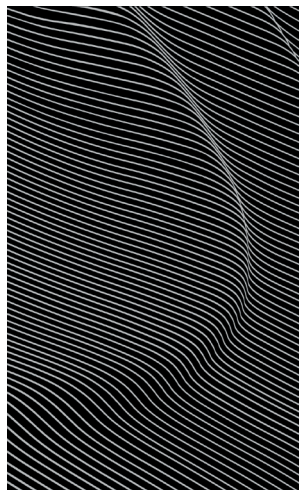


## INSPIRATIONAL 3D OPTIONS

- **Wall / Ceiling Waves of Light**  
Code: **WCWL22**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

- **Wall / Ceiling Orange Horizon**  
Code: **WCOH23**



THE BACK BANNER

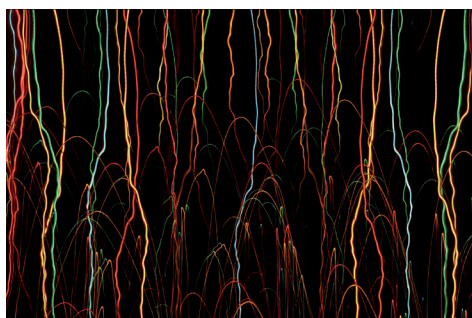


THE FRONT  
MESH BANNER

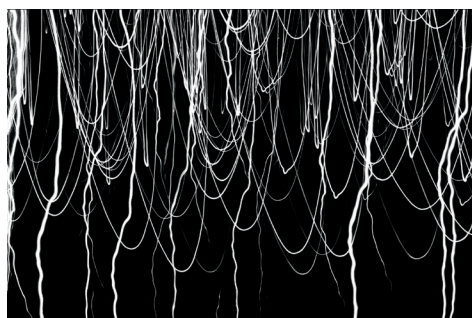


THE BACK BANNER +  
MESH BANNER

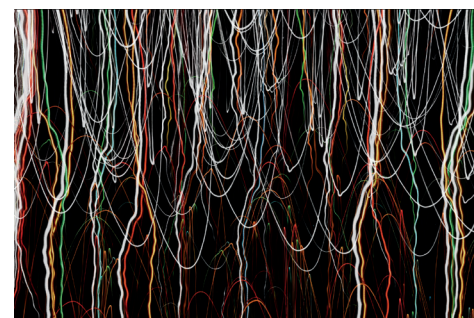
- **Wall / Ceiling Neon Rain**  
Code: **WCNR24**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER



## INSPIRATIONAL 3D OPTIONS

### ■ Ceiling City of Light Code: **CCL25**



THE BACK BANNER



THE FRONT  
MESH BANNER

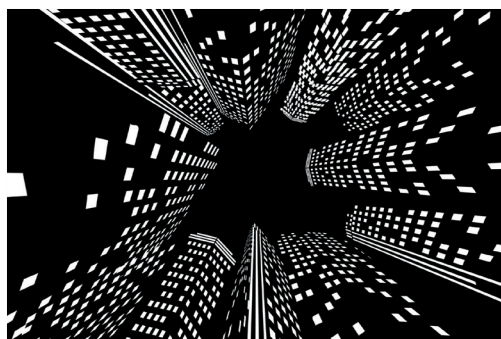


THE BACK BANNER +  
MESH BANNER

### ■ Ceiling Urban Pulse Code: **CUP26**



THE BACK BANNER

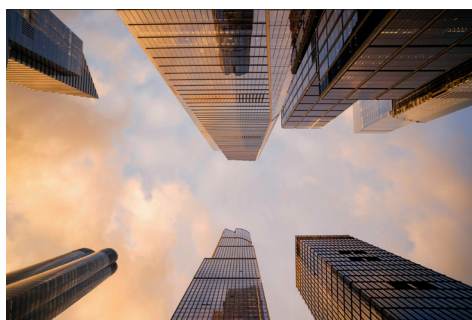


THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Ceiling Metropolis Dream Code: **CMD27**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER



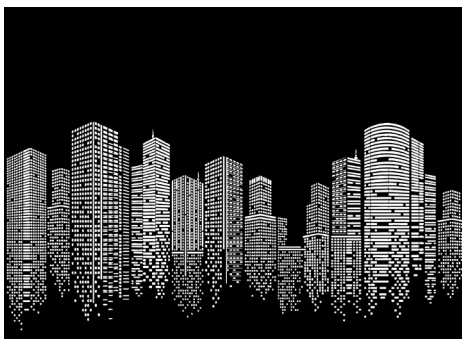
## INSPIRATIONAL 3D OPTIONS

### ■ Wall Nightfall Reflections

Code: **WNR28**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER

### ■ Wall City of Mirrors

Code: **WCM29**



THE BACK BANNER



THE FRONT  
MESH BANNER



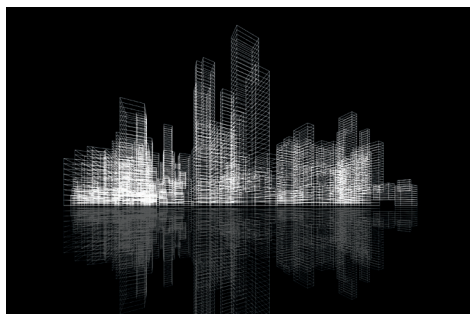
THE BACK BANNER +  
MESH BANNER

### ■ Wall Urban Dreamscape

Code: **WUD30**



THE BACK BANNER



THE FRONT  
MESH BANNER



THE BACK BANNER +  
MESH BANNER