

# Acumis Surface M - #2112



18W



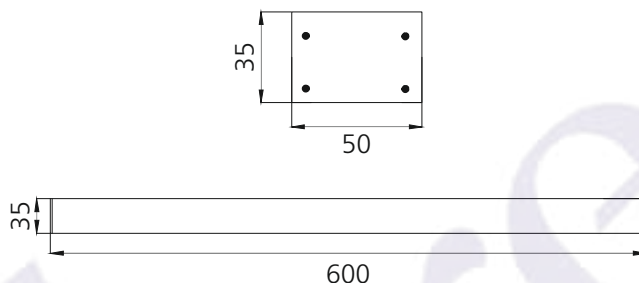
1645lm



3000K

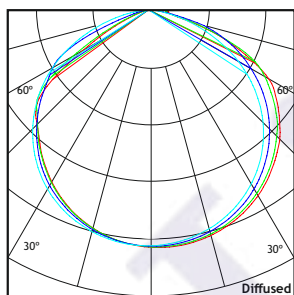


Diffused



## Photometric Data

|                        |                 |                            |                   |
|------------------------|-----------------|----------------------------|-------------------|
| Light source           | LED - Mid Power | Light output ratio         | 69%               |
| Power (W)              | 18W             | Color rendering index (Ra) | > 92              |
| Delivered lumens       | 1645lm          | Color rendering index (R9) | > 50              |
| Source lumens          | 2358lm          | Binning MacAdam            | < 3 SDCM          |
| Colour temperature (K) | 3000K           | LED life                   | L90 B10 Tj75°C    |
| Luminaire efficacy     | 91.38lm/W       | UGR                        | < 19              |
| Beam angle             | Diffused        | Operating temperature      | -20°C to +50°C    |
| Cutoff angle           | NA              | Light distribution         | Direct - Diffused |

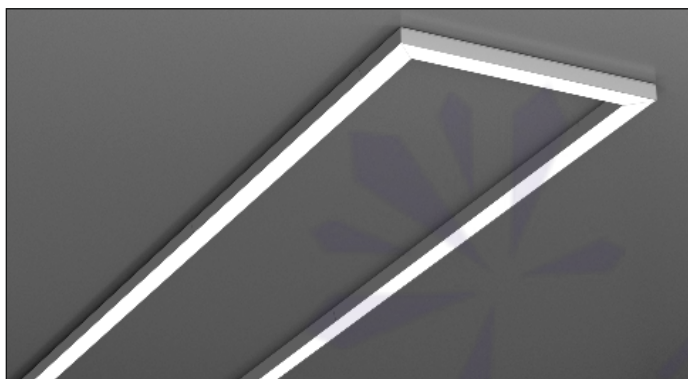


## Technical Data

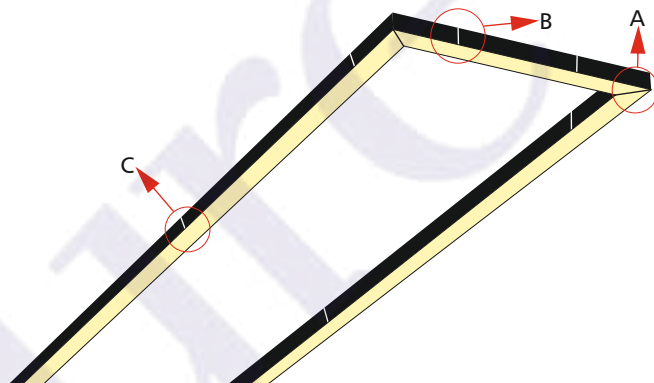
|                   |                    |                  |                  |
|-------------------|--------------------|------------------|------------------|
| Mounting detail   | Surface            | Product weight   | 667gms Per 600MM |
| Fixing detail     | Mounting Clamp     | Safety class     | III              |
| Orientation       | Fixed              | Insulation class | III              |
| IP rating         | IP20               | Voltage          | AC230V           |
| Glow wire test    | 850°               | Forward voltage  | DC24V            |
| Trim material     | NA                 | Driver           | CV - Remote      |
| Heatsink material | Aluminum Extrusion |                  |                  |

1. Shows an isometric view of the render of an Acumis Surface Fixture.
2. Shows an isometric view of the Acumis Surface Fixture.
3. Shows a Close-up of the 'I' joint.
4. Shows a Close-up of the 'L' joint.
5. Shows the Bottom view of the Acumis Surface Fixture in rectangular configuration.
6. Shows the Bottom view of the Acumis Surface Fixture in 'L' configuration.

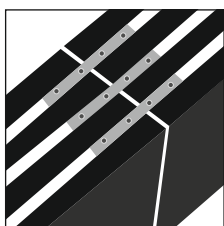
- A. Shows a hairline cut on the diffuser when the fixture is made in the 'L' configuration.
- B. Shows a hairline cut on the profile at 300mm from the edge.
- C. Shows a hairline cut on the profile at the joint between two straight sections.



①

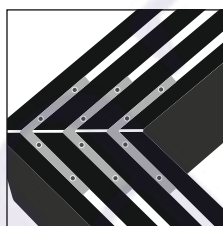


②



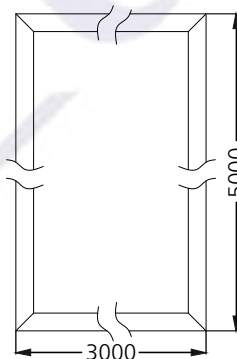
'I' joint

③

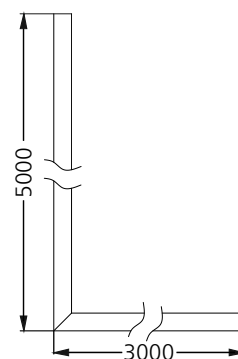


'L' joint

④



⑤

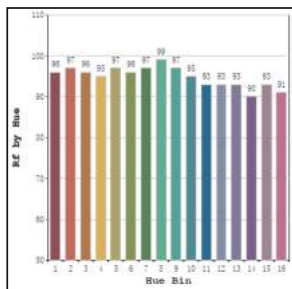


⑥

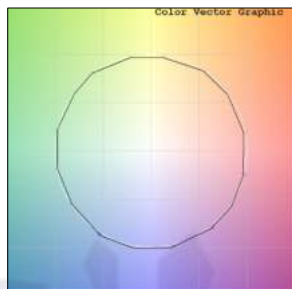
- Straight Sections (Profile) - Maximum possible straight length without any cuts on the profile is 3 mtrs. A hairline cut is visible at the joint, which is needed at every 3 mtrs interval. (Eg.) If a straight length of 9 mtrs is required, then two joints are needed; the 1st at 3 mtrs and the 2nd at 6 mtrs.
- Straight Sections (Diffuser) - Maximum possible straight length without any cuts on the diffuser is 30 mtrs. A hairline cut is visible at a joint, which is needed at every 30 mtrs interval. (Eg.) If a straight length of 32 mtrs is required, then one joint is required at 30 mtrs. Kindly Note: For this example, The number of profile joints is 10 (one at every 3 mtrs interval).
- For 'L' Sections - A Profile of lengths 300mm x 300mm is made. Then it is attached to the Straight Sections. (Eg.) If a 'L' section of 3 mtrs x 5 mtrs is required. First a 300mm x 300mm 'L' section is made. Then one straight section of 2.7 mtrs is joint to the 300mm x 300mm 'L' section on the 3 mtrs side. On the 5mtrs side, Two straight sections of lengths 3 mtrs and 1.7 mtrs are joint in tandem with the 300mm x 300mm 'L' section. (Refer to image 6 and image 2) Kindly Note - Although the profile will have 4 joints, the diffuser will have only one joint at the center.
- For Rectangular Sections - Similar in construction to the 'L' section, except the rectangular section consists of four 'L' sections of 300mm x 300mm that are connected by straight sections of the required lengths. (Refer to image 1, 2 and 5)
- 'I' Joint - An 'I' jointer is used to connect two straight sections. (Refer to image 3)
- 'L' Joint - two profiles are cut at an angle of 45 degrees and joint together using a 'L' jointer. (refer to image 4)

## Photometric Graphs

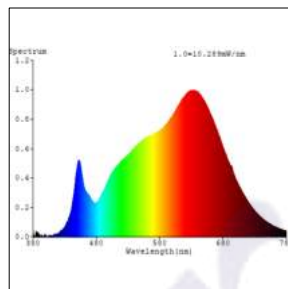
Hue Bin vs Rf Graph



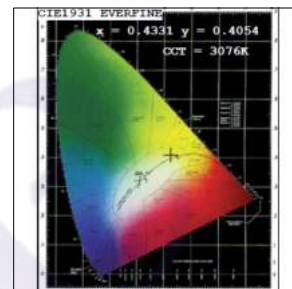
Color Vector Graph



Spectrum vs Wavelength Graph



CIE Chromaticity Graph



## Finish Options

### Body Finish

- ☐ Matt White
- ☐ Matt Black
- ☐ Custom RAL Color

### Min Length

50MM

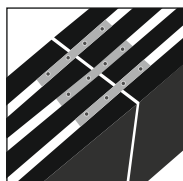
### Max Length

3000MM

### Diffuser

Standard Opal Diffuser  
Microprismatic Opal Diffuser

## Joint Options



'I' Joint



'L' Joint

## Dimming Options



Constant Voltage Driver  
75w DC24V  
Non Dimmable



Constant Voltage Driver  
75w DC24V  
Triac Dimmable



Constant Voltage Driver  
75w DC24V  
Analog 0-10V / 1-10V Dimmable



Constant Voltage Driver  
75w DC24V  
Dali Dimmable

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Due to which the data mentioned in the data sheet is subject to change without prior notice.