

COOLEGE™

SURFACES - Suspended

Large area luminaires for spaces with higher ceilings or where exposed ceiling elements are part of the design aesthetic.



SCALABLE

Wide Area Coverage

Large scale SURFACES suspended with cable or rods bring the feeling of natural light in a more traditional form

Immersive Illumination

Delivers a surprising amount of light without visual discomfort

Adaptable

Choice of a single color temperature, tunable white, or dim-to-warm options - all dimmable to 0.05%

Accessible

Post-installation access to ceiling elements or lighting is possible without major disruption

No Special Site Requirements

Knitted fabric is easily stretched and held in place without need to remove equipment or isolate the space

Size and Speed

Easily assembled on-site to quickly create suspended luminaires that replicate the scale of nature

Code Friendly

Coated polyester fabric and fully certified lighting system eliminates regulatory issues where other materials or component-only lighting certification cause problems

A COMPLETE SOLUTION

Integration

Creating good lighting is about more than just putting a light source behind a material. The light source and materials have been tested together to deliver proven performance that incorporates unique knowledge about the interaction between light, material properties, and the geometry of luminous surfaces

Predictable Illumination

Photometric files are available for all standard product options to make specification simple and ensure adherence with design requirements.

More Than a Box of Parts

Cooledge manages the installation process from specification to commissioning saving valuable time otherwise wasted coordinating multiple suppliers



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COOLEdge SURFACES - SUSPENDED

PHOTOMETRIC HIGHLIGHTS¹

LIGHT OUTPUT² (LM/SQFT)
425 (HF), 210 (MF), 105 (LF)

LIGHT OUTPUT² (LM/SQM)
4500 (HF), 2250 (MF), 1125 (LF)

CORRELATED COLOR TEMPERATURE (CCT)
2700K, 3000K, 3500K, 4000K, 5700K
Tunable White 2700K-5700K

COLOR RENDERING
CRI > 90

COLOR UNIFORMITY
Typical 2 SDCM

LUMEN MAINTENANCE²
L80 = 75,000hr (based on LM-80 & TM-21 calculations)

1 Photometric files available from cooledgelighting.com

2 Based on a 10' x 10' (3m x 3m) area >> refer to SURFACE Size Factors for other sizes

Cooledge has conducted extensive testing on the interaction between the light source and the surface materials to determine the optical and photometric properties of the SURFACE.

COOLEdge SURFACE - GENERAL

MOUNTING TYPE
Suspended

SURFACE MATERIAL
Polyurethane-coated knitted polyester fabric

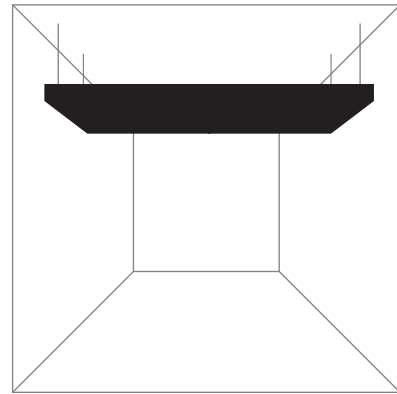
FABRIC TENSIONING PROFILE
Extruded Aluminum

LIGHT SOURCE
Cooledge TILE Interior or TILE Tunable White

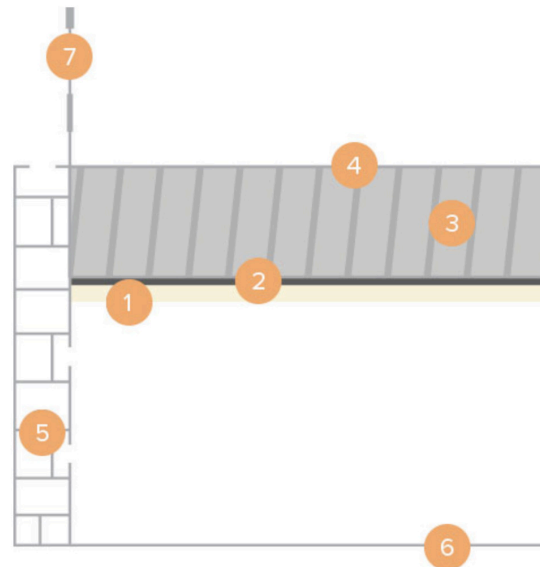
DUST PLY INCLUDED
Yes

MAXIMUM SEAMLESS DIMENSIONS
16ft (4.9m) x 164ft (50m) (W x L)

MINIMUM CAVITY DEPTH
5.5in (140mm)



COOLEdge SURFACE OVERVIEW



- 1 COOLEdge TILE Lighting System**
Includes all accessories and LED Drivers required
- 2 Mounting Panel (for TILES)**
- 3 Frame Reinforcement Bar**
- 4 Dust Ply (Cover)**
- 5 Aluminum Frame**
- 6 Coated Polyester Knitted Fabric**
- 7 Ceiling Suspension (cable, rod, etc.) - by others**
As required by local building codes

