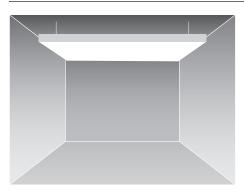
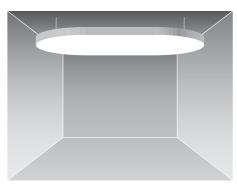
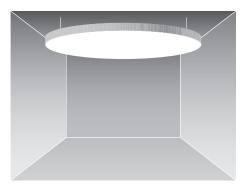
PROJECT	REFERENCE TYPE	
SPECIFIED BY	QUANTITY	
DATE	NOTE	Luminous Ceiling



SKYSPAN - SUSPENDED STANDARD CONFIGURATION







Large area luminaires that are ideal for open plan spaces with higher ceilings or exposed elements. Option for additional sound absorption allows lighting and acoustic performance to be combined into a single solution.

GENERAL

Mounting Type	Surface Mount
Input Voltage	Nom. 120-277 VAC
Diffuser Material	Polyester Woven Fabric (coated)
Frame Material	Extruded Aluminum
Light Source (Luminous Ceiling)	Cooledge TILE Products
Dust Ply Included	No (available upon request)
Maximum Seamless Dimensions	15.5ft (4.7m) x 161ft (49m) (WxL)
Frame Height	5.3 in (135mm)
Bend Radius (Curves)	Minimum 15" (380mm)
Average Weight	10' x 10' = 1.2lb/sqft (3m x 3m = 5.9 kg/m ²)

SPECIFICATION

A luminous surface of dimensions aa x bb consisting of a lighting system, woven polyester light emitting diffuser, and aluminum profile suspended from the ceiling surface with cables or rods. The luminous ceiling fixture(s) forms a single or series of uniformly diffuse and seamless light emitting surfaces; providing a minimum of xx fc (lux) on the horizontal workplane; and are installable in occupied premises, without need for heating devices or water. The surface material(s) is of a coated polyester fabric with a fire rating ASTM E 84 Class A /EN:3501-1 Class B.

Light output from the luminous surface is CRI>90; provides flux within 10% of nominal and has a color consistency of 2 SDCM over the entire surface. (Single CCT & Tunable White)

Cooledge SkySpan systems are UL Listed and/or CE Compliant.

FEATURES

- Wide Area Coverage: Large scale luminous surfaces suspended with cable or rods bring the feeling of natural light in a more traditional form
- Curves & Rounds: A bendable profile allows curved shapes, rounded corners and circles with radii down to 15" (380mm)
- Immersive Illumination: A large luminous surface delivers a surprising amount of illumination without visual discomfort
- Adaptable: Choice of tunable white, dim-to-warm, W+RGB or static color temperature
- Code Friendly: Fire-rated polyester fabric and a fully certified lighting system eliminate inspection challenges
- Acoustic Performance: Exceptional sound absorption eliminates the need for acoustic baffles or clouds in open plan

PHOTOMETRICS1 (SINGLE CCT & TUNABLE WHITE)

The following assumes Cooledge's standard smooth white fabric material as the primary luminous ceiling diffuser.

Distribution	Lambertian
Light Output ² (Im/sqft) *Available in 3000K, 3500K, 4000K, and Tunable White 2700K-5700K only	Extra High Flux (XHF) = 590 High Flux (HF) = 395 *Medium High Flux (MHF) = 305 Medium Flux (MF) = 200 *Low Medium Flux (LMF) = 150 Low Flux (LF) = 100 *Eco Power (ECO) = 65
Light Output ² (Im/m ²) *Available in 3000K, 3500K, 4000K, and Tunable White 2700K-5700K only	Extra High Flux (XHF) = 6390 High Flux (HF) = 4260 *Medium High Flux (MHF) = 3280 Medium Flux (MF) = 2130 *Low Medium Flux (LMF) = 1620 Low Flux (LF) = 1065 *Eco Power (ECO) = 700
Correlated Color Temperature (CCT)	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, Tunable White 2700K-5700K Dim-to-Warm 3500K-2200K
Color Rendering Index (CRI)	≥ 90
Color Uniformity	2 SDCM (typical)
Lumen Maintenance ³	L80 = 75,000 hr

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

TM-30-15 DATA

ССТ	2200K	2700K	3000K	3500K	4000K	5700K	TNW*
Rf	88	91	90	89	86	88	90
Rg	99	99	98	98	96	98	100

For more details about Cooledge Solutions color rendering, please see "Light Quality Metrics" at www.cooledgelighting.com

PHOTOMETRICS (W+RGB)

	lm/sqft*	lm/m²*
W (3500K)	320	3450
Full W+RGB	640	6900
Red only	95	1020
Green only	260	2800
Blue only	55	600

^{*}Approximate: actual flux values may vary depending on the size and shape of the Specialty Illumination Solution.

WHITE - 3500K

Correlated Color Temperature (CCT)	3500K
CRI (Ra) - White	94
R9	64
Color Unigormity - White (Typical)	3 SDCM
Lumen Maintenance (L70)	50,000 hr

WHITE - W+RGB: OTHER CCTS*

Nominal CCT	Calculated CCT	CRI	R9
2700K	2752K	80	51
3000K	3080K	90	79
3500K	3465K	95	95
4000K	3985K	95	97
5000K	5031K	93	96
5700K	5640K	91	88

^{* =} Tunable White @50% point in the tunable range 2700K - 5700K

 $^{1\,}Photometric\ files\ available\ from\ cooledge lighting.com$

² Based on a 10'x10' (3mx3m) area - refer to SkySpan Size Factors for other sizes

³ Based on LM80 data & TM-21 calculations

POWER (SINGLE CCT & TUNABLE WHITE)

CCT		•				
Extra High Flux (XHF) Flux (XHF) 590 6390 6390 6390 6390 6390 7300K 7400K 750 750 4000K 70 750 5700K 70 750 5700K 70 750 5700K 5200K 5.6 60.4 2700K 5.2 55.6 3000K 4.8 52.0 3500K 4.6 49.6 4000K 4.6 49.6 5700K 4.7 50.8 Medium High Flux (MHF) Flux (MHF) 305 3280 3280 3280 8300K 3.6 38.4 4000K 2.2 2200K 2.8 30.2 2700K 2.6 2700K 2.6 278 3000K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 1.7 18.6 4000K 1.1 12.1 4000K 1.1 4000K 1.1 12.1 4000K 1.1 4000K 1.1 4000K 1.1 4000K 1.2 4000K 4.8 400C 400		Output	Output	ССТ		
Flux (XHF)				2200K	n/a	n/a
Flux (XHF) 590 6390 6390 3000K 7.1 76.2 3500K 7.0 75.0 4000K 7.0 75.0 5700K 5.2 55.6 60.4 2700K 5.2 55.6 3000K 4.8 52.0 3500K 4.6 49.6 4000K 4.6 49.6 5700K 4.7 50.8 4000K 3.6 38.4 4000K 3.6 3500K 3.7 40.0 3500K 3.7 40.0 3500K 3.7 40.0 3500K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 3500K 3.7 3500K 3.0 3500K 3.7 3500K 3.0 3500K 3.7 3500K 3.0 3500K 3.1 3500K	Evtra High			2700K	7.8	83.4
Medium Flux (MF) 200 2130 2130 1620 1620 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1065 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1		500	0000	3000K	7.1	76.2
High Flux (HF) High Flux (HF) Base and a second s	(XHF)	590	6390	3500K	7.0	75.0
High Flux (HF) High Flux (HF) 395 4260 A2700K 5.2 55.6 3000K 4.8 52.0 3500K 4.6 49.6 4000K 4.6 4000K 4.7 50.8 A2700K 3500K 4.6 49.6 5700K 4.7 50.8 A2700K 3000K 4.7 50.8 A2700K 4.0 43.4 40.0 3500K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 38.4 2200K 2.8 30.2 2700K 2.6 2700K 2.6 278 3000K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 2200K 1.8 19.4 3500K 1.7 18.6 4000K 18.7 18.7 18.7 18.7				4000K	7.0	75.0
High Flux (HF) High Flux (HF) 395 4260 4260 3000K 4.8 3000K 4.8 52.0 3500K 4.6 49.6 4000K 4.7 50.8 Medium High Flux (MHF) 305 3280 3280 3280 3000K 3.7 40.0 3500K 3.6 38.4 4000K 2.8 30.2 2700K 2.6 2700K 2.6 2708 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 150 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1630 1620 1630 1630 1640 1650 1650 1650 1650 1650 1650 1650 1650 1700 1860 1810 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4 19.4				5700K	7.0	75.0
High Flux (HF) 395 4260 3000K 4.8 52.0 3500K 4.6 49.6 4000K 4.6 49.6 5700K 4.7 50.8 Medium High Flux (MHF) 305 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3280 3200 33000 3400 3500 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 3600 36				2200K	5.6	60.4
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(HF) 395 4250 3500K 4.6 49.6 49.6 4000K 4.6 49.6 5700K 4.7 50.8 Medium High Flux (MHF) 305 3280 3280 3280 3500K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 38.4 4000K 3.6 2.8 30.2 2700K 2.6 27.8 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.6 27.8 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3000K 1.2 13.3 3000K 1.2 13.3 3000K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2	High Flux	205	4260	3000K	4.8	52.0
Medium High Flux (MHF) Medium High Flux (MHF) 305 3280 3280 3000K 3.7 40.0 3500K 3.6 38.4 4000K 3.6 38.4 4000K 2.8 30.2 2700K 2.6 27.8 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 24.2 2700K 2.6 3500K 2.1 2130 Medium Flux (LMF) 150 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620		395	4260	3500K	4.6	49.6
Medium High Flux (MHF) 305 3280 2700K 4.0 43.4 Medium Flux (MF) 305 3280 3500K 3.6 38.4 Medium Flux (MF) 200 2130 2200K 2.8 30.2 2700K 2.6 27.8 3000K 2.5 26.6 3500K 2.2 24.2 24.2 4000K 2.4 25.4 25.4 5700K 2.2 24.2 2700K 2.0 21.0 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 4000K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 4000K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 <td< td=""><td></td><td></td><td></td><td>4000K</td><td>4.6</td><td>49.6</td></td<>				4000K	4.6	49.6
High Flux (MHF) 305 3280 3000K 3.7 40.0 3500K 3.6 38.4 4000K 3.6 38.4 4000K 2.8 30.2 2700K 2.6 278 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.6 3500K 1.7 18.6 4000K 1.7 18.6 200 150 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620				5700K	4.7	50.8
Flux (MHF) 305 3280 3500K 3.6 38.4 4000K 3.6 38.4 4000K 2.8 30.2 2700K 2.6 27.8 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.0 21.0 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 2200K 2.8 30.2 2700K 2.0 21.0 3000K 2.1 25.4 2700K 2.0 21.0 21.0 21.0 21.0 21.0 21.0 21.0	Medium			2700K	4.0	43.4
Medium Flux (MF) 200 2130 2130 2200K 2.8 30.2 2700K 2.6 27.8 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.0 21.0 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.6		205	2222	3000K	3.7	40.0
Medium Flux (MF) 200 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 210 21		305	3280	3500K	3.6	38.4
Medium Flux (MF) 200 2130 2700K 2.6 27.8 3000K 2.5 26.6 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.0 21.0 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 4000K 1.1 12.1 2700K 0.9 9.3 5700K 1.1 12.1 2700K 0.9 9.3 5700K 0.9 9.3 3000K 0.8 8.6 65 700 3500K 0.8 8.2	(1411 11)			4000K	3.6	38.4
Second Power (ECO) Part of the color of				2200K	2.8	30.2
Flux (MF) 200 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 2130 21	Modium			2700K	2.6	27.8
MF 3500K 2.2 24.2 4000K 2.4 25.4 5700K 2.2 24.2 2700K 2.0 21.0 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2		200	2420	3000K	2.5	26.6
Low Medium Flux (LMF) Low Flux (LMF) Low Flux (LF) Low Flux (LF) 150 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620 1620	(MF)	200	2130	3500K	2.2	24.2
Low Medium Flux (LMF) 150 1620 2700K 2.0 21.0 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2				4000K	2.4	25.4
Medium Flux (LMF) 150 1620 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2				5700K	2.2	24.2
Medium Flux (LMF) 150 1620 3000K 1.8 19.4 3500K 1.7 18.6 4000K 1.7 18.6 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2	Low			2700K	2.0	21.0
Hux (LMF) 3500K 1.7 18.6		15.0	1620	3000K	1.8	19.4
Low Flux (LF) 100 1065 2200K 1.3 14.5 2700K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2		150	1020	3500K	1.7	18.6
Low Flux (LF) 100 1065 2700K 1.2 13.3 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2	(LMF)			4000K	1.7	18.6
Low Flux (LF) 100 1065 3000K 1.2 13.3 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2				2200K	1.3	14.5
(LF) 100 1065 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2				2700K	1.2	13.3
(LF) 3500K 1.1 12.1 4000K 1.1 12.1 5700K 1.1 12.1 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2	Low Flux	100	1065	3000K	1.2	13.3
Eco Power (ECO) 5700K 1.1 12.1 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2	(LF)	100	1005	3500K	1.1	12.1
Eco Power (ECO) 65 700 2700K 0.9 9.3 3000K 0.8 8.6 3500K 0.8 8.2				4000K	1.1	12.1
Eco Power (ECO) 65 700 3000K 0.8 8.6 3500K 0.8 8.2				5700K	1.1	12.1
(ECO) 65 700 3500K 0.8 8.2				2700K	0.9	9.3
(ECO) 3500K 0.8 8.2	Eco Power	G.F.	700	3000K	0.8	8.6
4000K 0.8 8.2	(ECO)	05	700	3500K	0.8	8.2
				4000K	0.8	8.2

Note: for Tunable White use 2700K power value; for Dim-to-Warm use 3500K value

POWER (W+RGB)

	W/sqft	W/m²
W (3500K)	5.8	62
Full W+RGB	22.5	242
Red only	5.8	62
Green only	5.8	62
Blue only	5.8	62

CERTIFICATIONS

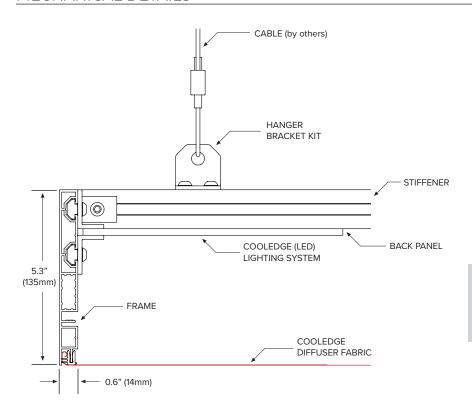


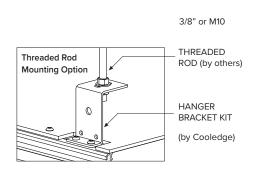
RoHS

WARRANTY

Refer to Cooledge Terms and Conditions for full warranty details.

MECHANICAL DETAILS





Cooledge SkySpan systems include the illumination source, frame, mounting hardware, diffuser fabric, and installation of all non-electrical components

X-Section

GENERAL

Location	Indoor, dry location only
Operating Temp. Range	0-40°C (32-104°F)
Storage Temp. Range	-40-85°C (-40-185°F)
Relative Humidity	90% max (non-condensing)
Fire Spread	ASTM E84: Class A (FSI = 0-25); EN13501-1: Class B - s1,d0;

ACOUSTIC PERFORMANCE

When used in conjunction with an acoustic lighting system from Cooledge, SkySpan and SkyLine products provide exceptional acoustic performance that when combined with their large surface area result in significant noise reduction capability.

Mounting Type	Noise Reduction Coefficient	Sound Absorption Average	Weighted Sound Absorption Coefficient (ISO EN11654)
	NRC	SAA	αw
Suspended	0.90	0.91	0.90
Surface Mount	0.60	0.62	0.45 (M)

COMPLEX SHAPES

Cooledge SkySpan systems are generally configured in simple geometric shapes such as squares, rectangles, and circles. However, many other forms are possible – especially with Flush Mount systems. Symmetrical and non-symmetrical polygons as well as curved shapes including but not restricted to ovals are all possible.

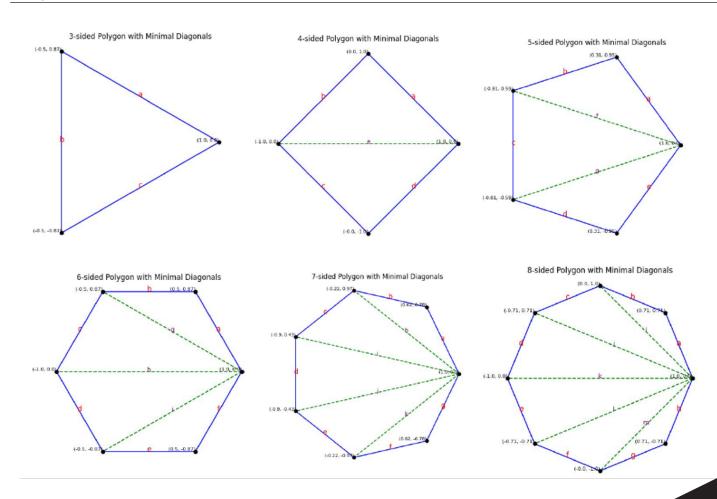






Cooledge will work with you to define the required dimensions for inclusion in your design and to guide related construction details. Below are examples of symmetrical polygons and the dimensions required to correctly define them.

REQUIRED DIMENSIONS FOR POLYGONS



POWER AND CONTROL

SkySpan include all mechanical, electrical, and lighting components required including power supplies and Cooledge Control Modules selected from the options listed below.

Specifications for the power supplies and Cooledge Control Modules shown below are available in the following documents:

- Power and Control Specifications (cUL Listed)
- Power and Control Specifications (CE Compliant)

POWER SUPPLIES (54V) - cUL Listed

Order Code	# Controller Channels *	Enclosure
EPSS-092-54V-UL	1	Yes
EPSS-200-54V-UL	2	Yes
EPSS-400-54V-UL	4	Yes

^{*}Class 2 (max 90W) output

POWER SUPPLIES (54V) - CE Compliant

Order Code	# Controller Channels*	Enclosure
EPSS-092-54V-CE	1	Yes
EPSS-200-54V-CE	2	Yes
EPSS-400-54V-CE	4	Yes

^{*}Class 2 (max 90W) output

COOLEDGE CONTROL MODULES (54V) - Static CCT

Order Code	Protocols
CTR-SCT-DAL/010-48/58V	0-10V, DALI
CTR-SCT-DMX-48/58V	DMX
CTR-SCT-CAS-48/58V	Casambi (wireless)

COOLEDGE CONTROL MODULES (54V) - TUNABLE WHITE

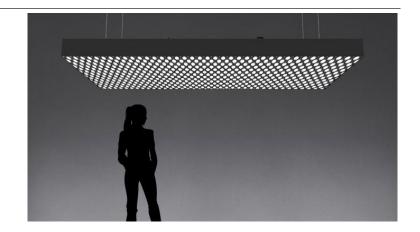
Order Code	Function	Protocols
CTR-TNW-DAL/010-48/58V	Tunable White	0-10V, DALI
CTR-TNW-DMX-48/58V	Tunable White	DMX
CTR-TNW-CAS-48/58V	Tunable White	Casambi (Wireless)
CTR-DTW-DAL/010-48/58V	Dim-to-Warm	0-10V, DALI
CTR-DTW-DMX-48/58V	Dim-to-Warm	DMX
CTR-DTW-CAS-48/58V	Dim-to-Warm	Casambi (Wireless)

W+RGB solutions require alternate power & controls (DMX & Casambi only). Please contact Cooledge for details.

FAUX PERFORATED METAL (PRINTED)

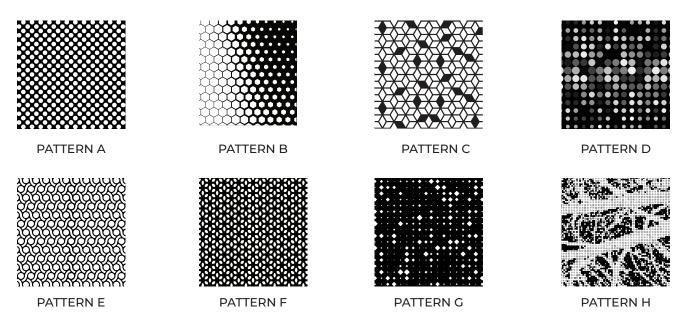
Make your design unique by adding the look of illuminated perforated metal panels to your SkySpan or SkyLine system using images printed right on the diffuser fabric.

Combine exceptional quality illumination, true acoustic performance, and visual interest in one simple luminaire solution.



STANDARD PATTERNS

The following are standard patterns available from Cooledge. We are also able to work with other images that you have selected.



DIFFUSER OPTIONS - DESIGNER SERIES FOR LUMINOUS CEILINGS

In addition to our standard smooth white fabric diffuser, Cooledge offers options to change aesthetic appeal of its luminous ceiling product by introducing the Designer Series of fabric diffusers. These fabrics add an element of texture to your design and elevates the luminous ceiling from the appearance of a traditional light fixture to a unique architectural element.



CONTOURS

Add some sparkle and depth with this fabric option that allows a hint of the LEDs to shine through a waffle pattern structured surface

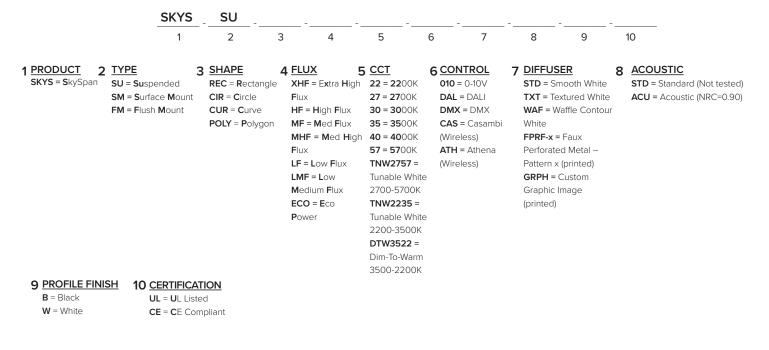


The fabric (cotton) weave pattern adds a subtle texture to the appearance of the fabric without impacting the light transmission performance.



HOW TO SPECIFY

NOTE: By their nature, Cooledge SkySpan and SkyLine are custom products. These Specification Codes are provided for use as simple references to SkySpan/SkyLine in specifications and/or construction documents and do not include all details required to define the system. Specification Codes are NOT ordering codes. In order to receive quotations or purchase these products from Cooledge, the dimensions and are required. Cooledge may also request additional information before issuing a quotation or accepting a purchase order.



INSTALLATION

Installation of Cooledge SkySpan and SkyLine products is included in the purchase of the product. Installation of these products must be done by a Cooledge approved installer.