OneSpace gen2

Solid White, 3000 K

Interior bright and efficient panels with tunable or solid white light

OneSpace gen2 represents the latest in high-quality white light panels from Color Kinetics. Its smart, modular design delivers everything you need in easy-to-ship sized boxes driving quick and easy assembly and installation. This elegant, low-profile luminaire provides abundant light to any space, transforming ceilings into a seamless, cohesive plane of light. With over 250 sizes, Tunable and Solid White light options, and industry-best quality CRI and color consistency, OneSpace gen2 is beauty defined.

- OneSpace gen2 offers excellent light output, long source life, high CRI, and energy efficiency, in a beautiful, clean plane of light. Industry-best quality of 90+ CRI and color consistency within a 2-step MacAdam ellipse provides a glare-free direct view luminaire, and abundant, uniform daylight illumination evenly lit across the entire task surface.

- Groundbreaking plane of light that integrates hundreds of LEDs with beautiful white fabric providing abundant light and excellent distribution, right to the edge of the luminaire. Customize your OneSpace gen2 with Tunable White (ranging from a warm 2700 K to a cool 6500 K) or two Solid White 3000 K or 4000 K options.

- Easy to transport and install. The OneSpace gen2 all-new modular design allows quick delivery and transportation in easy-to-ship sized boxes. OneSpace gen2 delivers all the building blocks and guidance you need for easy on-site assembly. Every luminaire arrives with a single piece of fabric that is easy to install, launder, and replace.

- Multiple options for design flexibility. Choose 3000 K or 4000 K Solid White light versions, and hundreds of sizes from 1200 x 1200 mm (48 x 48 in) up to 2,400 x 9,600 mm (95 x 379 in) in 600 mm increments for Solid White.

- Beauty defined. The bold shape of OneSpace gen2 features an ultra-thin black frame, perfectly outlining the brilliant, seamless, plane of light. The industry-best quality white light evenly fills the frame, right to the edge, offering a clean modern aesthetic. In its simplest form, OneSpace gen2 reinforces a feeling of purity that is at the core of its design.

- This elegant, low-profile luminaire delivers up to 275 lumens per foot2 (2964 lm/m2) of white light to task surfaces at an affordable price. With excellent light output, long LED life, energy efficiency, and virtually maintenance-free operation OneSpace gen2 is designed to provide optimum output and design flexibility.

For detailed product information, please refer to the OneSpace gen2 Product Guide at www.colorkinetics.com/global/products/essentialwhite/onespace-gen2

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Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Output

Color Temperature*	3000 K
Viewing Angle	162°
Lumens†	2799 lm/m² (260 lm/ft²)
Efficacy (lm/W)	68
CRI 3000 K	92
LED Channels	3000 K

Electrical

Input Voltage	100 to 277 VAC
Power Consumption (Maximum at full output, steady state)	41 W/m² (3.81 W/ft²)
Power Factor	0.99 @ 120 VAC

For Surge Protection Requirements for LED Lighting Systems, please refer to www.colorkinetics.com/KB/surge-protection.

Control

On/ Off.
Dimmable version available upon request, supporting Dali, 1-10V, PWM and Touch Dim.

Lumen Maintenance

Threshold§	Ambient Temperature	Reported¶¶	Calculated¶¶
L_{70}	25 °C	70,000	

Physical

Housing Material	Extruded aluminium frame
Lens	Light-diffusing white fabric

Temperature Ranges

5 to 35 °C (41 to 95 °F) Operating
-25 to 70 °C (-13 to 158 °F) Storage

Humidity	0 to 95%, non-condensing

Certification and Safety

Fire safety for fabric	B-s1, d0 according to EN 13501-1 Class A according to UL 723 / ASTM E-84
Approbation	UL/cUL, CE, CCC
Environment	Dry/Damp Location, IP20

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* 600 x 600 mm lumen output measurements comply with IES LM-79-08 testing procedures. Measurements for all other OneSpace gen2 sizes are estimated based on the 600 x 600 mm measurements.

§ Lxx = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

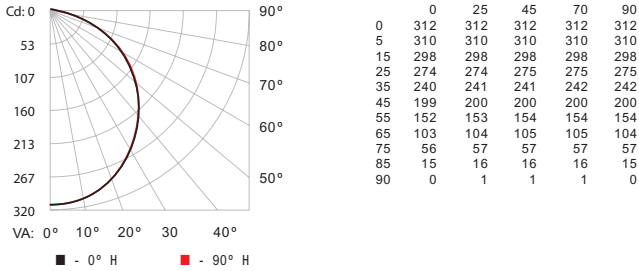¶¶ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.
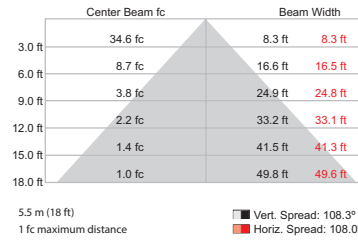
Photometrics, 3000 K

Photometric data is based on full hemisphere testing to IES standards. IES data is available at www.colorkinetics.com/global/support/ies.

LEDs	3000 K
Lumens	2799 lm/m² (260 lm/ft²)
Efficacy (lm/W)	68

Polar Candela Distribution

	0	25	45	70	90
0	312	312	312	312	312
5	310	310	310	310	310
15	298	298	298	298	298
25	274	274	275	275	275
35	240	241	241	242	242
45	199	200	200	200	200
55	152	153	154	154	154
65	103	104	105	105	104
75	56	57	57	57	57
85	15	16	16	16	15
90	0	1	1	1	0

■ - 0° H   ■ - 90° H

Illuminance at Distance

	Center Beam fc	Beam Width	
3.0 ft	34.6 fc	8.3 ft	8.3 ft
6.0 ft	8.7 fc	16.6 ft	16.5 ft
9.0 ft	3.8 fc	24.9 ft	24.8 ft
12.0 ft	2.2 fc	33.2 ft	33.1 ft
15.0 ft	1.4 fc	41.5 ft	41.3 ft
18.0 ft	1.0 fc	49.8 ft	49.6 ft

5.5 m (18 ft)
1 fc maximum distance

■ Vert. Spread: 108.3°
■ Horiz. Spread: 108.0°

For lux multiply fc by 10.7

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	239.3	28%
0-40	389.2	45.5%
0-60	677.8	79.3%
60-90	177.4	20.7%
0-90	855.2	100%

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.04	1.00	0.96	1.06	1.02	0.98	0.85	0.97	0.94	0.91	0.93	0.91	0.88	0.90	0.88	0.86	0.84
2	0.99	0.91	0.84	0.78	0.96	0.89	0.82	0.71	0.85	0.80	0.75	0.82	0.77	0.74	0.79	0.75	0.72	0.70
3	0.90	0.80	0.71	0.65	0.88	0.78	0.70	0.61	0.75	0.69	0.63	0.72	0.67	0.62	0.70	0.65	0.61	0.59
4	0.83	0.71	0.62	0.55	0.80	0.69	0.61	0.52	0.67	0.60	0.54	0.64	0.58	0.53	0.62	0.57	0.52	0.50
5	0.76	0.63	0.54	0.47	0.74	0.62	0.54	0.45	0.60	0.52	0.47	0.58	0.51	0.46	0.56	0.50	0.46	0.44
6	0.70	0.57	0.48	0.41	0.68	0.56	0.47	0.40	0.54	0.47	0.41	0.52	0.46	0.41	0.51	0.45	0.40	0.38
7	0.65	0.52	0.43	0.37	0.63	0.51	0.42	0.36	0.49	0.42	0.36	0.48	0.41	0.36	0.46	0.40	0.36	0.34
8	0.61	0.47	0.39	0.33	0.59	0.46	0.38	0.32	0.45	0.38	0.32	0.44	0.37	0.32	0.43	0.37	0.32	0.30
9	0.57	0.43	0.35	0.29	0.55	0.43	0.35	0.29	0.41	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27
10	0.53	0.40	0.32	0.27	0.52	0.39	0.32	0.26	0.38	0.31	0.27	0.37	0.31	0.26	0.37	0.31	0.26	0.25

Luminaires and Accessories

This Specification Sheet offers general information about all versions of OneSpace gen2, Solid White, 3000 K.

For information about a specific OneSpace gen2 size including a list of components, weight, dimensions, and LED layouts download the size specific Component List at: www.colorkinetics.com/global/products/essentialwhite/onespace-gen2

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