

# OneSpace gen2

Date: \_\_\_\_\_  
Type: \_\_\_\_\_  
Firm Name: \_\_\_\_\_  
Project: \_\_\_\_\_

## Tunable White

### 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 any shade of white light from warm 2700 K to cool 6500 K with Tunable White or two Solid White light versions. Over 250 sizes from 924 x 924 mm (3 x 3 ft) up to 2,424 x 9,924 mm (7.95 x 32.56 ft) in 300 mm (11.8 in) increments (600 mm (23.6 in) for Solid White) offer further design flexibility. With so many choices it's easy to find the right luminaire for your project.
- 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 foot<sup>2</sup> (2964 lm/m<sup>2</sup>) 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](http://www.colorkinetics.com/global/products/essentialwhite/onespace-gen2)

# Specifications

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

## Output

Color Temperature*	2700 K to 6500 K
Viewing Angle	162°
Lumens 2700 K†	2530 lm/m <sup>2</sup> (235 lm/ft <sup>2</sup> )
Lumens 3000 K*	2574 lm/m <sup>2</sup> (239 lm/ft <sup>2</sup> )
Lumens 3500 K*	2619 lm/m <sup>2</sup> (243 lm/ft <sup>2</sup> )
Lumens 4000 K*	2642 lm/m <sup>2</sup> (245 lm/ft <sup>2</sup> )
Efficacy 2700 K (lm/W)	62
Efficacy 3000 K (lm/W)	67
Efficacy 3500 K (lm/W)	66
Efficacy 4000 K (lm/W)	67
CRI 2700 K	92
CRI 3000 K	95
CRI 3500 K	96
CRI 4000 K	97
LED Channels	2700 K, 6500 K

## Electrical

Input Voltage	100 to 277 VAC
Power Consumption	39.5 to 41.1 W/m <sup>2</sup> (3.67 to 3.82 W/ft <sup>2</sup> )
(Maximum at full output, steady state)	
Power Factor	0.99 @ 120 VAC

For Surge Protection Requirements for LED Lighting Systems, please refer to [www.colorkinetics.com/KB/surge-protection](http://www.colorkinetics.com/KB/surge-protection).

## Control

Control System

On/ Off. For Tunable White Dim and PWM 2 channel control (CCT and intensity) with 3rd party control options such as Dynalite, or DALI.

## Lumen Maintenance

Threshold <sup>§</sup>	Ambient Temperature	Reported <sup>¶¶</sup>	Calculated <sup>¶¶</sup>
L <sub>70</sub>	25 °C	70,000	

\* 900 x 900 mm (34.5 x 34.5 in) lumen output measurements comply with IES LM-79-08 testing procedures. Measurements for all other OneSpace gen2 sizes are estimated based on the 900 x 900 mm (34.5 x 34.5 in) 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.

## 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

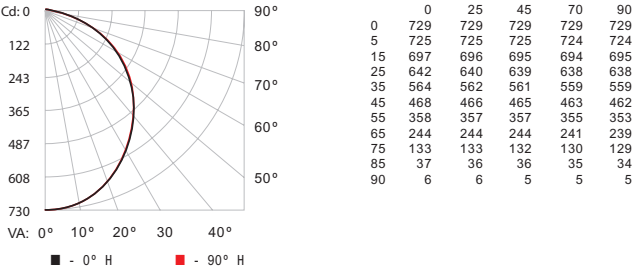
Fire safety for fabric	B-s1, d0 according to EN 13501-1 Class A according to UL 723 / ASTM E-84
Approbation	UL/cUL, CE, CCC
Environment	Dry/Damp Location, IP20

Photometrics, 4000 K

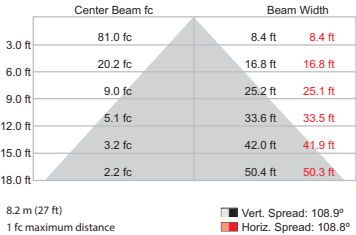
Photometric data is based on full hemisphere testing to IES standards. IES data is available at [www.colorkinetics.com/global/support/ies](http://www.colorkinetics.com/global/support/ies).

LEDs	2700 K, 6500 K
Lumens	2642 lm/m² (245 lm/ft²)
Efficacy (lm/W)	67

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	560.7	27.7%
0-40	913.2	45.2%
0-60	1594.6	78.9%
60-90	426.9	21.1%
0-90	2021.6	100.0%

For lux multiply fc by 10.7

Coefficients of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																
RCC %:	80					70	50	30	0	50	30	20	10	0				
RCR:	70	50	30	0	70	50	30	0	50	30	20	10	0	50	30	20	10	0
1	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
2	1.09	1.04	0.99	0.96	1.06	1.02	0.98	0.84	0.97	0.94	0.91	0.93	0.91	0.88	0.90	0.88	0.86	0.84
3	0.99	0.90	0.84	0.78	0.96	0.89	0.82	0.71	0.85	0.80	0.75	0.82	0.77	0.73	0.79	0.75	0.72	0.70
4	0.90	0.79	0.71	0.65	0.88	0.78	0.70	0.60	0.75	0.68	0.63	0.72	0.67	0.62	0.70	0.65	0.61	0.59
5	0.82	0.70	0.62	0.55	0.80	0.69	0.61	0.52	0.67	0.59	0.54	0.64	0.58	0.53	0.62	0.57	0.52	0.50
6	0.76	0.63	0.54	0.47	0.74	0.62	0.53	0.45	0.60	0.52	0.46	0.58	0.51	0.46	0.56	0.50	0.45	0.43
7	0.70	0.57	0.48	0.41	0.68	0.56	0.47	0.40	0.54	0.46	0.41	0.52	0.45	0.40	0.51	0.45	0.40	0.38
8	0.65	0.51	0.43	0.36	0.63	0.51	0.42	0.35	0.49	0.42	0.36	0.48	0.41	0.36	0.46	0.40	0.36	0.34
9	0.60	0.47	0.38	0.33	0.59	0.46	0.38	0.32	0.45	0.37	0.32	0.44	0.37	0.32	0.42	0.36	0.32	0.30
10	0.57	0.43	0.35	0.29	0.55	0.42	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	0.26	0.37	0.31	0.26	0.36	0.30	0.26	0.24

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](http://www.colorkinetics.com/global/products/essentialwhite/onespace-gen2)

