

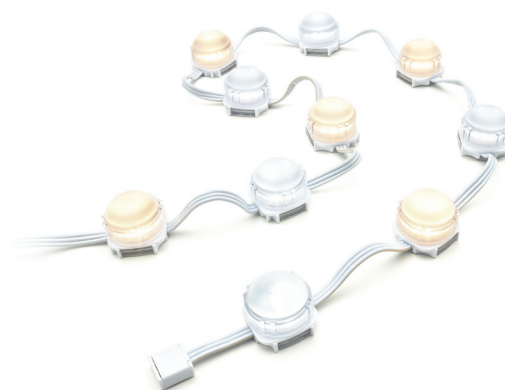
Flex Compact, iW

Exterior flexible strands of high-intensity nodes with tunable white light

Date: _____
Type: _____
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Project: _____

Flex Compact, iW are flexible strands of large, high-intensity, tunable-white LED nodes designed for extraordinary video and graphic effects on expansive installations without the constraints of luminaire size, shape, or space. Each Flex Compact, iW strand consists of 50 individually addressable LED nodes, featuring dynamic integration of power, communication, and control. The flexible form factor accommodates two- and three-dimensional configurations, while high light output affords superior long-distance viewing for large-scale signage and building-covering video displays.

- Tunable white light—Flex Compact, iW nodes contain warm and cool white LEDs, allowing you to find just the right color temperature for your direct view application. Color temperatures range from 2700 K to 6500 K.
- Multiple lens options—Clear flat, translucent dome, and narrow beam lenses are standard. Optional marquee lenses, available in clear, semi-frosted, and translucent, snap onto flat lens nodes to create the appearance of bulbs on a traditional theatre marquee. You can mount marquee lenses in front of a substrate or directly to mounted strands.



[Product page](#)

Viewing Angle	36°, 105°, 165°
Lumens per node*	28 to 80
Color Temperature [§]	2700 K to 6500 K
Environment	Dry/Damp/Wet Location, IP66
Applications	Direct View

Input Voltage	24 VDC via PDS-60ca 24V, sPDS-60ca 24V, or sPDS-480ca 24V
Power Consumption	1 W
Weight	1 kg (2.2 lb) 4 inch spacing 1.5 kg (3.3 lb) 12 inch spacing
Housing Material	Polycarbonate
Approbations	UL/cUL, FCC Class A, CE

Specification Sheets

PDF Download	Viewing Angle	Lumens*	Efficacy	Weight	Item Number	12 NC
Clear Flat Lens, White Housing, 4 in On-Center Node Spacing	105°	80	79.4	1.5 kg (3.3 lb)	501-000016-00	912400135815
Clear Flat Lens, Black Housing, 4 in On-Center Node Spacing	105°	80	79.4	1.5 kg (3.3 lb)	501-000016-01	912400135816
Translucent Dome Lens, White Housing, 4 in On-Center Node Spacing	165°	28	29.2	1.5 kg (3.3 lb)	501-000016-02	912400135817
Translucent Dome Lens, Black Housing, 4 in On-Center Node Spacing	165°	28	29.2	1.5 kg (3.3 lb)	501-000016-03	912400135818
Clear Flat Lens, White Housing, 12 in On-Center Node Spacing	105°	80	79.4	1.74 kg (3.84 lb)	501-000016-04	912400135819
Clear Flat Lens, Black Housing, 12 in On-Center Node Spacing	105°	80	79.4	1.74 kg (3.84 lb)	501-000016-05	912400135820
Translucent Dome Lens, White Housing, 12 in On-Center Node Spacing	165°	28	29.2	1.74 kg (3.84 lb)	501-000016-06	912400135821
Translucent Dome Lens, Black Housing, 12 in On-Center Node Spacing	165°	28	29.2	1.74 kg (3.84 lb)	501-000016-07	912400135822
Narrow Beam Lens, White Housing, 4 in On-Center Node Spacing	36°	67	70.1	1.5 kg (3.3 lb)	501-000016-08	912400135823
Narrow Beam Lens, Black Housing, 4 in On-Center Node Spacing	36°	67	70.1	1.5 kg (3.3 lb)	501-000016-09	912400135824
Narrow Beam Lens, White Housing, 12 in On-Center Node Spacing	36°	67	70.1	1.74 kg (3.84 lb)	501-000016-10	912400135825
Narrow Beam Lens, Black Housing, 12 in On-Center Node Spacing	36°	67	70.1	1.74 kg (3.84 lb)	501-000016-11	912400135826

* Lumen output measurements comply with IES LM-79-08 testing procedures.

§ Correlated color temperature (CCT) complies with ANSI C78.377-2008 for the chromaticity of solid state lighting products.

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<https://www.colorkinetics.com/global/products/intelliwhite/iw-flex-compact/>

18 August 2021

