

eW Flex Compact

Flexible strands of high-intensity LED nodes with solid white light

Date: _____
 Type: _____
 Firm Name: _____
 Project: _____

eW Flex Compact is a versatile strand of 50 individually controllable LED nodes. The flexible form factor allows dynamic points of white light to be installed across nearly any interior or exterior surface, including walls, ceilings, floors, three-dimensional sculptures, and set pieces. eW Flex Compact can also light tight alcove spaces and signage, and in certain cases, can even display video.

- Daylight visible—At full brightness, each node produces light output of up to 89.6 candela and 129,758 nits.
- Adaptable mounting—Strands can be mounted directly to a surface, like traditional string lights. Detachable leader cables in multiple lengths allow you to install strings at the appropriate distance from power/data supplies. Optional mounting tracks ensure straight linear runs, while snap-on spacers hide cabling and mounting hardware. Single node mounts can be positioned individually as anchor points for installations with uneven node spacing or complex geometries.
- Outdoor rated—Fully sealed for maximum node life and IP66-rated for outdoor applications.



[Product page](#)

Viewing Angle	36°, 105°, 200°
Lumens per node*	35 to 87
Color Temperature [§]	2700 K, 3000 K, 3500 K, 4000 K, 5000 K, 5700 K, 6500 K

Input Voltage	sPDS-60ca 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
Environment	IP66
Applications	Direct View

2700 K Specification Sheets

PDF Download	Viewing Angle	Lumens*	Efficacy	CRI [†]	Weight	Item Number	12 NC
2700 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing	36°	73	73	83	1.5 kg (3.3 lb)	500-000012-57	912400135783
2700 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing	36°	73	73	83	1.5 kg (3.3 lb)	500-000012-56	912400135782
2700 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing	36°	73	73	83	1.74 kg (3.84 lb)	500-000012-59	912400135785
2700 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing	36°	73	73	83	1.74 kg (3.84 lb)	500-000012-58	912400135784
2700 K, Clear Flat Lens, Black Housing, 4 in on-center node spacing	105°	81	80.9	82	1.5 kg (3.3 lb)	500-000012-01	912400130620
2700 K, Clear Flat Lens, White Housing, 4 in on-center node spacing	105°	81	80.9	82	1.5 kg (3.3 lb)	500-000012-00	912400130619
2700 K, Clear Flat Lens, Black Housing, 12 in on-center node spacing	105°	81	80.9	82	1.74 kg (3.84 lb)	500-000012-05	912400130624
2700 K, Clear Flat Lens, White Housing, 12 in on-center node spacing	105°	81	80.9	82	1.74 kg (3.84 lb)	500-000012-04	912400130623

2700 K Specification Sheets (cont.)

PDF Download	Viewing Angle	Lumens*	Efficacy	CRI†	Weight	Item Number	12 NC
2700 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	35	35	85	1.5 kg (3.3 lb)	500-000012-03	912400130622
2700 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	35	35	85	1.5 kg (3.3 lb)	500-000012-02	912400130621
2700 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	35	35	85	1.74 kg (3.84 lb)	500-000012-07	912400130626
2700 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	35	35	85	1.74 kg (3.84 lb)	500-000012-06	912400130625

3000 K Specification Sheets

PDF Download	Viewing Angle	Weight	Item Number	12 NC
3000 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-61	912400135787
3000 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-60	912400135786
3000 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-63	912400135789
3000 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-62	912400135788
3000 K, Clear Flat Lens, Black Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-09	912400130628
3000 K, Clear Flat Lens, White Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-08	912400130627
3000 K, Clear Flat Lens, Black Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-13	912400130632
3000 K, Clear Flat Lens, White Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-12	912400130631
3000 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-11	912400130630
3000 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-10	912400130629
3000 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-15	912400130634
3000 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-14	912400130633

For help estimating the light output and distribution of eW Flex lighting luminaires, please contact Color Kinetics Applications Engineering Services at <http://www.lighting.philips.com/support/connect/contact-us>.

3500 K Specification Sheets

PDF Download	Viewing Angle	Weight	Item Number	12 NC
3500 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-65	912400135791
3500 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-64	912400135790
3500 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-67	912400135793
3500 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-66	912400135792
3500 K, Clear Flat Lens, Black Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-17	912400130636
3500 K, Clear Flat Lens, White Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-16	912400130635
3500 K, Clear Flat Lens, Black Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-21	912400130640
3500 K, Clear Flat Lens, White Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-20	912400130639
3500 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-19	912400130638
3500 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-18	912400130637
3500 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-23	912400130642
3500 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-22	912400130641

4000 K Specification Sheets

PDF Download	Viewing Angle	Lumens*	Efficacy	CRI†	Weight	Item Number	12 NC
4000 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing.	36°	84	84	84	1.5 kg (3.3 lb)	500-000012-73	912400135799
4000 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing.	36°	84	84	84	1.5 kg (3.3 lb)	500-000012-72	912400135798
4000 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing.	36°	84	84	84	1.74 kg (3.84 lb)	500-000012-75	912400135802
4000 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing.	36°	84	84	84	1.74 kg (3.84 lb)	500-000012-74	912400135801
4000 K, Clear Flat Lens, Black Housing, 4 in on-center node spacing.	105°	87	86.9	84	1.5 kg (3.3 lb)	500-000012-25	912400130644
4000 K, Clear Flat Lens, White Housing, 4 in on-center node spacing.	105°	87	86.9	84	1.5 kg (3.3 lb)	500-000012-24	912400130643
4000 K, Clear Flat Lens, Black Housing, 12 in on-center node spacing.	105°	87	86.9	84	1.74 kg (3.84 lb)	500-000012-29	912400130648
4000 K, Clear Flat Lens, White Housing, 12 in on-center node spacing.	105°	87	86.9	84	1.74 kg (3.84 lb)	500-000012-28	912400130647

4000 K Specification Sheets (cont.)

PDF Download	Viewing Angle	Lumens*	Efficacy	CRI†	Weight	Item Number	12 NC
4000 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	40	39.6	86	1.5 kg (3.3 lb)	500-000012-27	912400130646
4000 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	40	39.6	86	1.5 kg (3.3 lb)	500-000012-26	912400130645
4000 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	40	39.6	86	1.74 kg (3.84 lb)	500-000012-31	912400130650
4000 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	40	39.6	86	1.74 kg (3.84 lb)	500-000012-30	912400130649

5000 K Specification Sheets

PDF Download	Viewing Angle	Weight	Item Number	12 NC
5000 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-77	912400135804
5000 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-76	912400135803
5000 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-79	912400135806
5000 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-78	912400135805
5000 K, Clear Flat Lens, Black Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-49	912400133736
5000 K, Clear Flat Lens, White Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-48	912400133735
5000 K, Clear Flat Lens, Black Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-53	912400133740
5000 K, Clear Flat Lens, White Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-52	912400133739
5000 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-51	912400133738
5000 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-50	912400133737
5000 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-55	912400133742
5000 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-54	912400133741

5700 K Specification Sheets

PDF Download	Viewing Angle	Weight	Item Number	12 NC
5700 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-81	912400135808
5700 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-80	912400135807
5700 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-83	912400135810
5700 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-82	912400135809
5700 K, Clear Flat Lens, Black Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-33	912400130652
5700 K, Clear Flat Lens, White Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-32	912400130651
5700 K, Clear Flat Lens, Black Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-37	912400130656
5700 K, Clear Flat Lens, White Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-36	912400130655
5700 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-35	912400130654
5700 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-34	912400130653
5700 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-39	912400130658
5700 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-38	912400130657

6500 K Specification Sheets

PDF Download	Viewing Angle	Weight	Item Number	12 NC
6500 K, Narrow Beam Lens, Black Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-85	912400135812
6500 K, Narrow Beam Lens, White Housing, 4 in on-center node spacing.	36°	1.5 kg (3.3 lb)	500-000012-84	912400135811
6500 K, Narrow Beam Lens, Black Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-87	912400135814
6500 K, Narrow Beam Lens, White Housing, 12 in on-center node spacing.	36°	1.74 kg (3.84 lb)	500-000012-86	912400135813
6500 K, Clear Flat Lens, Black Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-41	912400130660
6500 K, Clear Flat Lens, White Housing, 4 in On-Center Node Spacing.	105°	1.5 kg (3.3 lb)	500-000012-40	912400130659
6500 K, Clear Flat Lens, Black Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-45	912400130664
6500 K, Clear Flat Lens, White Housing, 12 in On-Center Node Spacing.	105°	1.74 kg (3.84 lb)	500-000012-44	912400130663

6500 K Specification Sheets (cont.)

PDF Download	Viewing Angle	Weight	Item Number	12 NC
6500 K, Translucent Dome Lens, Black Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-43	912400130662
6500 K, Translucent Dome Lens, White Housing, 4 in on-center node spacing.	200°	1.5 kg (3.3 lb)	500-000012-42	912400130661
6500 K, Translucent Dome Lens, Black Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-47	912400130666
6500 K, Translucent Dome Lens, White Housing, 12 in on-center node spacing.	200°	1.74 kg (3.84 lb)	500-000012-46	912400130665

* Lumen output measurements comply with IES LM-80-08 testing procedures.

⁵ Correlated color temperature (CCT) complies with ANSI C78.377-2008 for the chromaticity of solid state lighting products.

[†] CRI refers to CRI Ra value, CRI R9 refers to R9 value in accordance with IESNA LM-79 standards.



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Color Kinetics
www.colorkinetics.com/ls/essentialwhite/ewflexcompact/