



eW Downlight Powercore gen2

Surface-mounted LED downlight for general and accent lighting



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eW Downlight Powercore gen2 is a low-profile, surface-mounted LED downlight for basic white general illumination. This easy-to-install, dimmable fixture uses standard mounting and direct line voltage connection without the need for remote transformers. Ideally suited for lobbies, corridors, elevators, conference rooms, common spaces, kitchenettes, and interiors in commercial, hospitality, retail, and residential environments, eW Downlight Powercore gen2 is especially appropriate where recessed installation is not possible.

- Superior light output and quality — eW Downlight Powercore gen2 outputs up to 902 lumens and delivers up to 31 fc (331 lx) at a distance of 10 ft (3 m), easily meeting recommended illuminance targets for the full range of downlighting applications. eW Downlight Powercore gen2 also offers a consistent and pleasing CRI of over 81 across all color temperatures and beam angles.
- Four available color temperatures — 2700 K and 3000 K versions are appropriate for intimate, open environments such as restaurants, hotel lobbies, and homes, while the 3500 K and 4000 K versions are perfect for lighting clean and efficient spaces such as offices, classrooms, and hospitals.
- Two available beam angles — Available with a 30° beam angle for high ceilings or spotlighting an area or object, and a 65° beam angle for floodlighting and low-ceiling environments such as corridors.
- Integrates patented Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to eW Downlight Powercore gen2 fixtures directly from line voltage, eliminating the need for transformers or other external power supplies.
- Simple, standard installation — Contractor-friendly installation uses standard wiring and mounting to dramatically simplify installation and help lower total system cost.
- Flexible mounting options — Mounts to junction box or directly to a flat mounting surface where allowed. Slotted through-holes in the mounting plate provide adjustment in surface mount applications. Swivel bracket for 120 and 277 VAC units allows precise adjustment during installation.
- Four available voltages — Power modules of 100, 120, 220 – 240, and 277 VAC for consistent installation and operation around the world.
- Unobtrusive, sleek design — Low-profile fixture is ideal for surface mounting and semi-recessed applications. Metal bezel is available in white, black, or brushed aluminum. Custom bezel colors are also available.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.



High-Quality Light at Substantially Lower Cost

Provides light level and quality comparable to CFL downlights. Offers significant total cost of ownership reduction as compared with comparable CFL downlights.

Efficient, Simple LED Downlight: Smart Choice for Sustainability

This Old House

This Old House is an American home improvement television show that offers expert advice, products, and ideas in the context of step-by-step remodeling projects. Philips Color Kinetics was featured on the show during the renovation of one of the oldest houses in the show's history: the Nathaniel Page Homestead in Bedford, Massachusetts, USA. The renovation team's challenge was to update this Colonial-era home with modern comforts made possible by the latest technology while maintaining the rustic period feel.

The renovation called for two modest additions along with necessary updates and repairs to improve the structure and safety of the home. eW Downlight Powercore fixtures, which provide general illumination throughout the kitchen task area and pantry, helped to create a warm atmosphere while dramatically cutting energy consumption.

Low-profile eW Downlight Powercore directly accepts line voltage to provide easy and unobtrusive installation. Although its output is comparable to a 50-watt halogen lamp, eW Downlight Powercore yields energy savings of roughly 70%. The homeowners are delighted with the design and the warmth of the 2700 K light, which is equivalent to that of traditional halogen sources.

Lighting designer Susan Arnold knew that LED lighting would be a smart choice for her clients, who plan to live in the home for many years to come. LED lighting would be energy-efficient and reduce monthly electricity costs. With the technology's long useful life, the couple would also save on replacement and maintenance costs. eW Downlight Powercore was the simple choice to bring the most modern lighting technology to a residential setting — in this case, a nearly 300-year-old home.



Photography: Allegra Anderson

Heineken The City

Heineken added a new dimension to its company by opening a unique, ultramodern concept store, Heineken The City, in the brewer's home city of Amsterdam. The store sells special products and services — including music, fashion, travel, events, and its signature beer — in six renovated historical buildings.

Heineken The City's revolutionary, hypermodern design makes effective use of the latest technology, including speaking mirrors, 3D television screens, an ice wall, and interactive pillars. The store was the first in Europe to be entirely illuminated by LED lighting. The lighting designers found LED lighting to be the perfect choice for general, accent, and decorative applications throughout the store.

General lighting is provided by dozens of surface-mounted eW Downlight Powercore fixtures. 4000 K fixtures illuminate the two-story entrance, while 2700 K fixtures illuminate the sound studio for a cozier, more intimate atmosphere. With a narrow 30° beam angle, the fixtures are ideal for use in areas with high ceilings.

Visitors have been pleased and impressed with Heineken The City's sophisticated ambiance since the day it opened, while the store's owners and managers benefit from the long lifetime and low energy consumption of the eW Downlight Powercore fixtures and other LED fixtures used in the store.



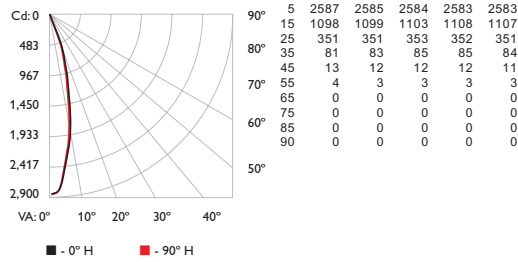
Photometrics

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.philipscolorkinetics.com/support/ies.

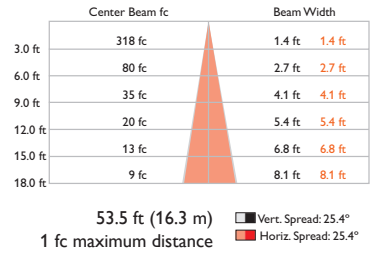
eW Downlight Powercore gen2 2700 K, 30° beam angle

Lumens	772
Efficacy	56.4 lm / W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

U- 30	699	90.5
0- 40	759	98.3
0- 60	772	100.0
0- 90	772	100.0
90-180	0	0.0
0-180	772	100.0

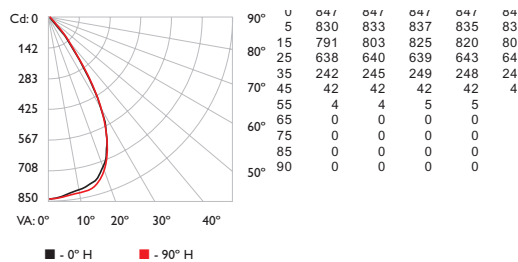
Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%														
	80			70			50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119119119119	116116116116	111111111111	106106106	102102102	100									
1	115112110109	112110109107	106105104	103102101	99 98 98	96									
2	111107103101	108105102100	102 99 97	99 97 95	96 95 93	92									
3	107101 98 94	105100 97 94	98 95 92	95 93 91	93 91 90	88									
4	103 97 93 89	101 96 92 89	94 90 88	92 89 87	90 88 86	85									
5	99 93 88 85	98 92 88 85	90 87 84	89 86 83	87 85 83	81									
6	96 89 84 81	95 88 84 81	87 83 80	86 82 80	85 82 79	78									
7	93 86 81 78	92 85 81 78	84 80 77	83 79 77	82 79 77	75									
8	90 82 78 75	89 82 78 75	81 77 74	80 77 74	79 76 74	73									
9	87 80 75 72	86 79 75 72	78 74 72	78 74 72	77 74 71	70									
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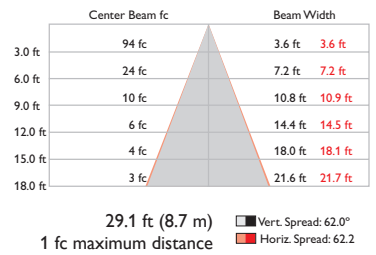
eW Downlight Powercore gen2 2700 K, 65° beam angle

Lumens	796
Efficacy	57.7

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

U- 30	592	74.4
0- 40	753	94.6
0- 60	796	100.0
0- 90	796	100.0
90-180	0	0.0
0-180	796	100.0

Coefficients Of Utilization - Zonal Cavity Method

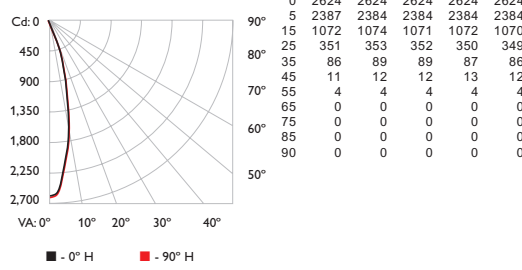
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	80			70			50			30			10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119119119119	116116116116	111111111111	106106106	102102102	100									
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3	103 97 92 88	101 95 91 87	93 89 86	90 87 84	88 85 83	82									
4	98 90 85 81	96 89 84 80	87 83 79	85 81 78	83 80 78	76									
5	93 85 79 75	91 84 78 74	82 77 74	80 76 73	79 75 72	71									
6	88 80 74 69	87 79 73 69	77 72 69	76 72 68	75 71 68	66									
7	84 75 69 65	83 74 69 65	73 68 64	72 67 64	71 67 64	62									
8	80 71 65 61	79 70 64 60	69 64 60	68 63 60	67 63 60	58									
9	76 67 61 57	75 66 61 57	65 60 57	64 60 56	63 59 56	55									
10	73 63 57 53	72 63 57 53	62 57 53	61 56 53	60 56 53	52									

For lux multiply fc by 10.7

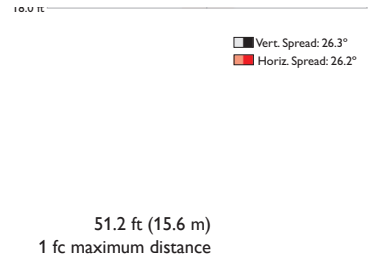
eW Downlight Powercore gen2
3000 K, 30° beam angle

Lumens	749
Efficacy	56.3 lm / W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

U- 3U	67.3	89.9
0- 40	735	98.2
0- 60	749	100.0
0- 90	749	100.0
90-180	0	0.0
0-180	749	100.0

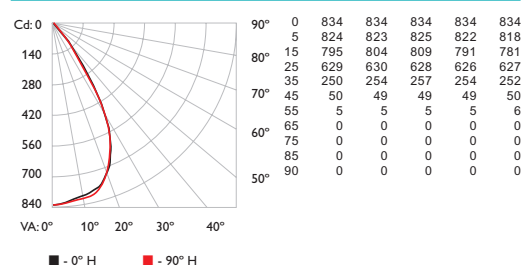
Coefficients Of Utilization - Zonal Cavity Method

RC	80		70		50		30		10		0	
	70	50	30	10	70	50	30	10	70	50		30
0	119119119119	116116116116	1111111111	106106106	102102102	100						
1	115112110108	112110108107	106105103	103101100	99 98 98	96						
2	110106103100	108105102 99	102 99 97	99 97 95	96 95 93	92						
3	106101 97 94	105100 96 93	97 94 92	95 93 91	93 91 89	88						
4	103 97 92 89	101 96 92 88	94 90 87	92 89 86	90 87 85	84						
5	99 92 88 84	97 92 87 84	90 86 83	88 85 83	87 84 82	81						
6	96 89 84 81	94 88 84 80	87 83 80	85 82 79	84 81 79	78						
7	92 85 80 77	91 85 80 77	83 79 77	82 79 76	81 78 76	75						
8	89 82 77 74	88 81 77 74	80 76 74	80 76 73	79 75 73	72						
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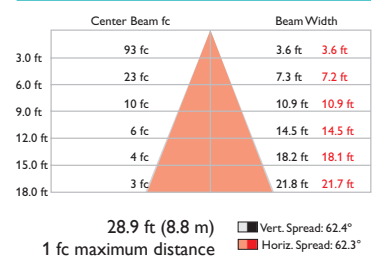
eW Downlight Powercore gen2
3000 K, 65° beam angle

Lumens	797
Efficacy	57.8

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

U- 3U	58.3	73.2
0- 40	747	93.8
0- 60	797	100.0
0- 90	797	100.0
90-180	0	0.0
0-180	797	100.0

Coefficients Of Utilization - Zonal Cavity Method

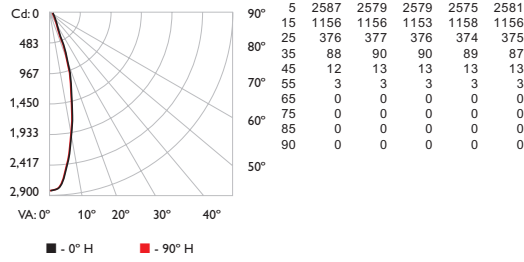
RC	80		70		50		30		10		0	
	70	50	30	10	70	50	30	10	70	50		30
0	119119119119	116116116116	1111111111	106106106	102102102	100						
1	114111108106	111109107105	105103101	101100 98	98 96 95	94						
2	108103 99 96	106102 98 95	98 95 93	95 93 91	93 91 89	87						
3	103 96 91 88	101 95 90 87	92 89 85	90 87 84	88 85 83	81						
4	98 90 85 80	96 89 84 80	87 82 79	85 81 78	83 80 77	76						
5	93 84 79 74	91 83 78 74	82 77 73	80 76 73	78 75 72	71						
6	88 79 73 69	87 78 73 69	77 72 68	75 71 68	74 70 67	66						
7	84 74 68 64	82 74 68 64	73 67 64	71 67 63	70 66 63	62						
8	80 70 64 60	78 70 64 60	68 63 60	67 63 59	66 62 59	58						
9	76 66 60 56	75 66 60 56	65 60 56	64 59 56	63 59 56	54						
10	72 63 57 53	71 62 57 53	61 56 53	61 56 53	60 56 52	51						

For lux multiply fc by 10.7

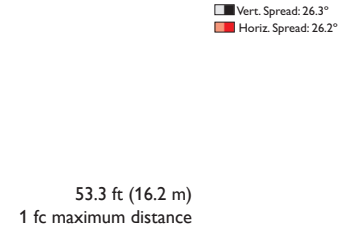
eW Downlight Powercore gen2 3500 K, 30° beam angle

Lumens	803
Efficacy	57.8 lm / W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

U- 3U	725	90.3
0- 40	789	98.3
0- 60	803	100.0
0- 90	803	100.0
90-180	0	0.0
0-180	803	100.0

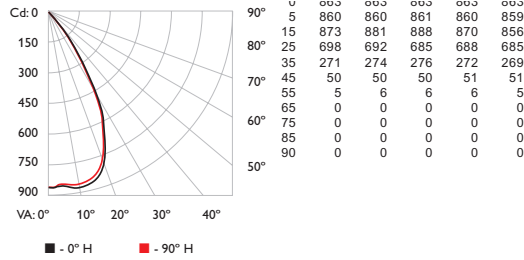
Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%														
	80			70			50			30					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119119119119	116116116116	111111111111	106106106	102102102	100									
1	115112110109	112110108107	106105104	103101100	99 98 98	96									
2	110107103101	108105102 99	102 99 97	99 97 95	96 95 93	92									
3	106101 97 94	105100 96 94	98 95 92	95 93 91	93 91 89	88									
4	103 97 92 89	101 96 92 89	94 90 88	92 89 87	90 88 86	84									
5	99 93 88 85	98 92 87 84	90 86 84	89 85 83	87 84 82	81									
6	96 89 84 81	94 88 84 81	87 83 80	85 82 80	84 81 79	78									
7	92 85 81 77	91 85 80 77	84 80 77	82 79 76	81 78 76	75									
8	89 82 78 74	88 82 77 74	81 77 74	80 76 74	79 76 73	72									
9	87 79 75 72	86 79 74 71	78 74 71	77 74 71	76 73 71	70									
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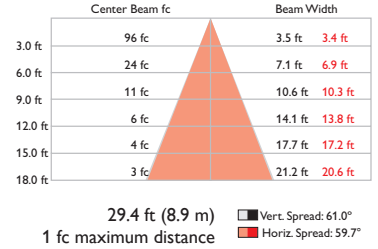
eW Downlight Powercore gen2 3500 K, 65° beam angle

Lumens	863
Efficacy	60.3

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

U- 3U	635	73.6
0- 40	812	94.1
0- 60	863	100.0
0- 90	863	100.0
90-180	0	0.0
0-180	863	100.0

Coefficients Of Utilization - Zonal Cavity Method

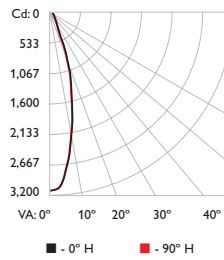
RC	Effective Floor Cavity Reflectance: 20%														
	80			70			50			30					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119119119119	116116116116	111111111111	106106106	102102102	100									
1	114111108106	111109107105	105103101	101100 98	98 96 95	94									
2	108103 99 96	106102 98 95	98 95 93	95 93 91	93 91 89	87									
3	103 96 92 88	101 95 91 87	92 89 86	90 87 84	88 85 83	81									
4	98 90 85 81	96 89 84 80	87 83 79	85 81 78	83 80 77	76									
5	93 84 79 74	91 83 78 74	82 77 73	80 76 73	79 75 72	71									
6	88 79 73 69	87 78 73 69	77 72 68	76 71 68	74 70 67	66									
7	84 75 69 64	82 74 68 64	73 68 64	71 67 64	70 66 63	62									
8	80 70 64 60	78 70 64 60	69 63 60	67 63 60	67 62 59	58									
9	76 66 60 56	75 66 60 56	65 60 56	64 59 56	63 59 56	54									
10	72 63 57 53	71 62 57 53	61 56 53	61 56 53	60 56 52	51									

For lux multiply fc by 10.7

eW Downlight Powercore gen2 4000 K, 30° beam angle

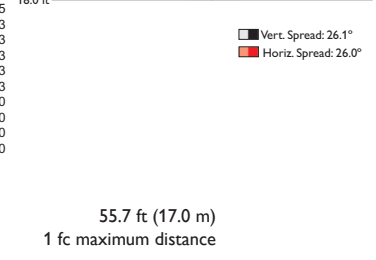
Lumens	865
Efficacy	63.1 lm / W

Polar Candela Distribution



	0	3115	3115	3115	3115	3115
90°	5	2831	2826	2823	2822	2825
85°	15	1243	1244	1242	1246	1243
80°	25	397	399	398	396	393
75°	35	96	98	97	96	93
70°	45	13	14	14	14	13
65°	55	4	4	4	4	3
60°	65	0	0	0	0	0
55°	75	0	0	0	0	0
50°	85	0	0	0	0	0
	90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

U - 3U	781	90.3
0 - 40	850	98.2
0 - 60	865	100.0
0 - 90	865	100.0
90 - 180	0	0.0
0 - 180	865	100.0

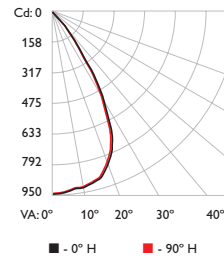
Coefficients Of Utilization - Zonal Cavity Method

RC	80			70			50			Effective Floor Cavity Reflectance: 20%		
	70	50	30	10	70	50	30	10	50	30	10	0
0	119119119119	116116116116	111111111111	106106106	102102102	100						
1	115112110109	112110108107	106105104	103102100	99	98	98	96	95	93	92	
2	110107103101	108105102100	102	99	97	95	93	91	93	91	89	88
3	106101	97	94	105100	97	94	98	95	92	95	93	91
4	103	97	92	89	101	96	92	89	94	90	88	87
5	99	93	88	85	98	92	88	84	90	86	84	82
6	96	89	84	81	94	88	84	81	87	83	80	84
7	93	85	81	78	91	85	80	77	84	80	77	82
8	90	82	78	75	89	82	77	74	81	77	74	80
9	87	79	75	72	86	79	75	72	78	74	71	77
10	84	77	72	69	83	76	72	69	76	72	69	74

eW Downlight Powercore gen2 4000 K, 65° beam angle

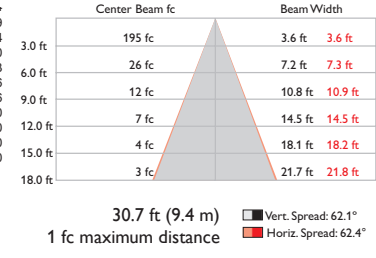
Lumens	902
Efficacy	64.9

Polar Candela Distribution



	0	3115	3115	3115	3115	3115
90°	5	937	935	933	933	929
85°	15	899	910	918	904	894
80°	25	708	712	710	714	720
75°	35	280	284	287	284	283
70°	45	56	56	55	56	56
65°	55	6	6	6	6	6
60°	65	0	0	0	0	0
55°	75	0	0	0	0	0
50°	85	0	0	0	0	0
	90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

U - 3U	662	73.4
0 - 40	846	93.8
0 - 60	902	100.0
0 - 90	902	100.0
90 - 180	0	0.0
0 - 180	902	100.0

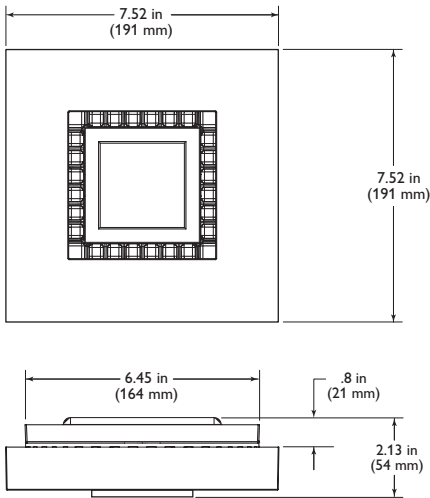
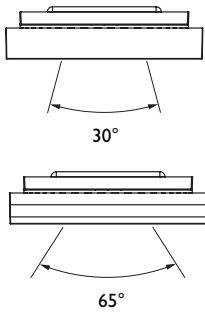
Coefficients Of Utilization - Zonal Cavity Method

RC	80			70			50			Effective Floor Cavity Reflectance: 20%		
	70	50	30	10	70	50	30	10	50	30	10	0
0	119119119119	116116116116	111111111111	106106106	102102102	100						
1	114111108106	111109107105	105103101	101100	98	98	96	95	94			
2	108103	99	96	106102	98	95	98	95	93	93	91	89
3	103	96	92	88	101	95	91	87	92	89	86	88
4	98	90	85	81	96	89	84	80	87	83	79	85
5	93	84	79	74	91	83	78	74	82	77	73	80
6	88	79	73	69	87	78	73	69	77	72	68	76
7	84	75	69	64	82	74	68	64	73	68	64	71
8	80	70	64	60	78	70	64	60	69	63	60	67
9	76	66	60	56	75	66	60	56	65	60	56	63
10	72	63	57	53	71	62	57	53	61	56	53	60

For lux multiply fc by 10.7

Specifications

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



Item	Beam Angle	2700 K*	3000 K*	3500 K*	4000 K*
Lumens†	30°	772	749	803	865
	65°	796	797	863	902
Efficacy (lm / W)	30°	56.4	56.3	57.8	63.1
	65°	57.7	57.8	60.3	64.9
CRI	30°	81	82	83	82
	65°	81	81	83	82

Item	Specification	Details
Output	Beam Angle	30° / 65°
	Lumen Maintenance‡	60,000 hours L70 @ 25° C
Electrical	Input Voltage	100 / 120 / 220 – 240 / 277 VAC, 50 / 60 Hz
	Power Consumption	15 W maximum at full output, steady state
	Power Factor	0.98 @ 120 VAC
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	7.5 x 7.5 x 2.1 in (191 x 191 x 54 mm)
	Weight	3.1 lb (1.4 kg)
	Housing	Die-cast aluminium chassis and bezel with black, white, or brushed aluminum finish
	Lens	Clear polycarbonate
	Fixture Connections	6 in (152 mm) flying leads (100 / 120 / 277 VAC) Terminal block (220 – 240 VAC)
	Temperature Ranges	-4° – 122° F (-20° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certification	UL / cUL, FCC Class B, CE, CCC, C-Tick, SAA
	Environment	Dry Location, IP50
	Energy Efficiency	California Title 24 Compliant

* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.



† Lumen measurement complies with IES LM-79-08 testing procedures.

‡ L70 = 70% lumen maintenance (when light output drops below 70% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

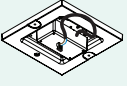
§ Refer to www.philipscolorkinetics.com/support/appnotes/ for specific details.

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Product Selection

eW Downlight Powercore gen2 is comprised of three separate modules. From the list below, choose one of each module type to build your eW Downlight Powercore gen2 fixture. You can also order complete fixture kits for 220 – 240 VAC applications.

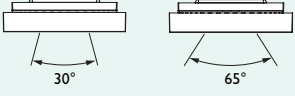
1 Choose Power Module



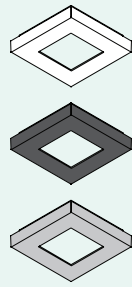
100 VAC
120 VAC
220 – 240 VAC
277 VAC

2 Choose Lamp Module

2700 K	2700 K
3000 K	3000 K
3500 K	3500 K
4000 K	4000 K

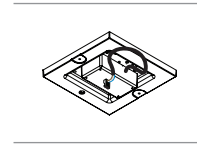


3 Choose Bezel Module

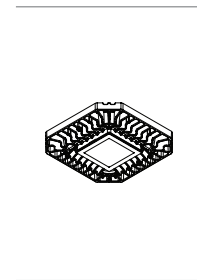


White
Black
Brushed Aluminum

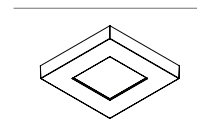
Item	Voltage	Item Number	Philips 12NC
Power Modules	100 VAC	523-000010-02	910503700235
	120 VAC	523-000010-00	910503700233
	220 – 240 VAC	523-000010-03	910503700236
	277 VAC	523-000010-01	910503700234



Item	CCT	Beam Angle	Item Number	Philips 12NC
Lamp Modules	2700 K	30°	523-000009-14	910503702744
		65°	523-000009-10	910503702740
	3000 K	30°	523-000009-15	910503702745
		65°	523-000009-11	910503702741
	3500 K	30°	523-000009-16	910503702746
		65°	523-000009-12	910503702742
	4000 K	30°	523-000009-17	910503702747
		65°	523-000009-13	910503702743



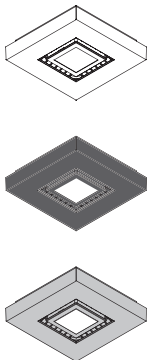
Item	Color	Item Number	Philips 12NC
Bezel Modules	White	523-000011-00	910503700237
	Black	523-000011-01	910503700238
	Brushed Aluminum	523-000011-02	910503700239



Use Item Number when ordering in North America.

Complete Fixture Kits (220 – 240 VAC only)

For 220 – 240 VAC applications, eW Downlight Powercore gen2 is available as a complete kit. From the list below, choose one kit for your eW Downlight Powercore gen2 fixture.

Item	Color	CCT	Beam Angle	Item Number	Philips 12NC
 Complete Fixture Kits 220 – 240 VAC only	White	2700 K	30°	523-000031-12	910503702748
			65°	523-000031-16	910503702752
		3000 K	30°	523-000031-13	910503702749
			65°	523-000031-17	910503703901
		3500 K	30°	523-000031-14	910503702750
			65°	523-000031-18	910503702754
	4000 K	30°	523-000031-15	910503702751	
		65°	523-000031-19	910503702755	
	Black	2700 K	30°	523-000031-20	910503702756
			65°	523-000031-24	910503702760
		3000 K	30°	523-000031-21	910503702757
			65°	523-000031-25	910503702761
		3500 K	30°	523-000031-22	910503702758
			65°	523-000031-26	910503702762
	4000 K	30°	523-000031-23	910503702759	
		65°	523-000031-27	910503702763	
	Brushed Aluminum	2700 K	30°	523-000031-28	910503702764
			65°	523-000031-32	910503702768
		3000 K	30°	523-000031-29	910503702765
			65°	523-000031-33	910503702769
		3500 K	30°	523-000031-30	910503702766
65°			523-000031-34	910503702770	
4000 K	30°	523-000031-31	910503702767		
	65°	523-000031-35	910503702771		

Use Item Number when ordering in North America.



White



Black



Brushed Aluminum

Installation

Owner / User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate eW Downlight Powercore gen2 fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.

Installing in Damp Locations

Use this Product Guide to verify that the positioning of fixtures in your layout meets specifications for operating temperature and humidity. Each eW Downlight Powercore gen2 fixture is Dry / Damp Rated, allowing for placement in a location that is normally or periodically subject to condensation of moisture adjacent to the fixture. You must use suitable UL-rated junction boxes when installing in damp locations.

Planning Your Installation

Well-designed lighting brightens an area, highlights architectural features or products, and enhances the ways you perform tasks. Before installing eW Downlight Powercore gen2 fixtures, use information from architectural drawings, CAD files, or other available materials to create a layout map that specifies and locates all fixtures, dimmers, and the power source. Keep these features in mind as you plan your installation:

- eW Downlight Powercore gen2 connects directly to standard line voltage, using standard wiring familiar to contractors. Because of its low power consumption, you can install up to 150 eW Downlight Powercore gen2 fixtures on a single 20 A circuit,
- eW Downlight Powercore gen2 fixtures mount to standard octagonal junction boxes. Where local codes allow, you can also mount eW Downlight Powercore gen2 fixtures directly to flat surfaces, such as concrete ceilings. Slotted through-holes in the mounting plate provide adjustment in surface mount applications. The swivel bracket included with the 120 VAC and 277 VAC fixtures lets you fine-tune fixture alignment during installation.
- eW Downlight Powercore gen2 fixtures can be controlled either with a standard wall switch (on / off) or with selected commercially available reverse-phase ELV-type dimmers. Refer to the installation instructions included with the wall of dimmer switch for installing and wiring information.

✳ When using the optional swivel bracket, recess the junction box an additional .125 – .25 in (3.2 – 6.4 mm) so that the fixture lies flush against the mounting surface.

✳ For more information on compatible ELV dimmers, and for details on selecting the appropriate dimmer for your lighting installation, visit www.philipscolorkinetics.com/support/appnotes, or consult Application Engineering services at support@colorkinetics.com.

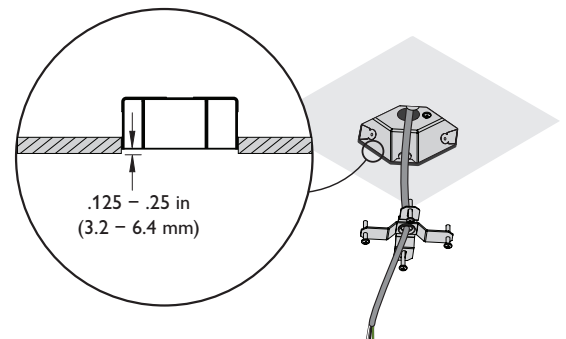
Install the Fixtures

Before installing eW Downlight Powercore gen2 fixtures, make sure that all junction boxes, switches, and dimmers have been installed, and that line circuit wiring has been pulled to each mounting location.

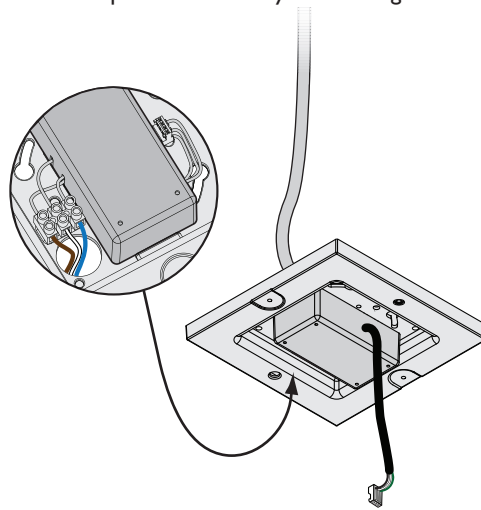
Make sure the power is OFF before mounting eW Downlight Powercore gen2 fixtures.

1. If using the optional swivel bracket included with the power module for a 120 VAC or 277 VAC fixture, thread the wiring through the swivel bracket's center hole, then mount the swivel bracket to the junction box using four screws.

Make sure that the knockout for the junction box is recessed from .125 – .25 in (3.2 – 6.4 mm) to provide additional clearance for the swivel bracket.

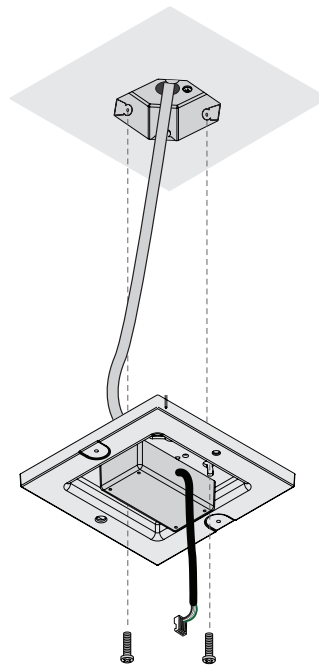


2. Install the power module by connecting the lead wires to a line circuit.

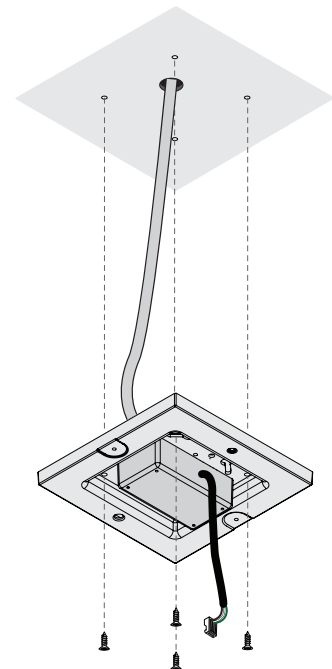


3. Mount the power module either to a junction box or directly to a flat surface, using appropriate mounting hardware.

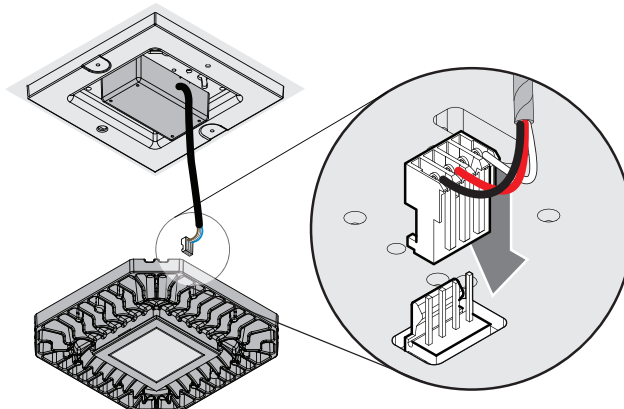
To junction box



Directly to flat surface

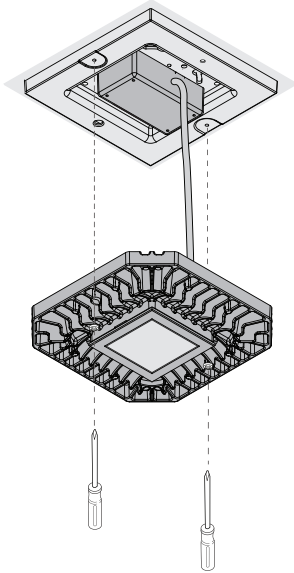


4. Install the LED module by inserting the four-pin connector on the power module into the four-pin port on the LED module.

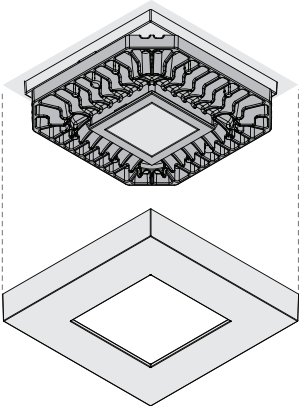


* For CE compliance, all terminal blocks must conform to EN 60998-2-1 or EN 60998-2-2 and meet the specified ratings for the voltage and amperage listed in this Product Guide.

5. Mount the LED module to the power module with the LED module's two captured mounting screws.



6. Snap the bezel in place.



7. Turn the power ON.

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