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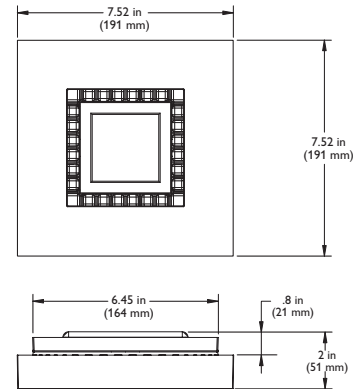
eW Downlight Powercore

2700 K

Surface-mounted LED downlight for general and accent lighting

eW Downlight Powercore 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. Suitable for common spaces, elevators, conference rooms, kitchenettes, and interiors in commercial, hospitality, retail, and residential environments, eW Downlight Powercore is especially appropriate where recessed installation is not possible.

- Integrates patented Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to eW Downlight Powercore fixtures directly from line voltage, eliminating transformers and 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.
- High-quality light at substantially lower cost — Provides light level and quality comparable to CFL downlights with no wasted energy, light, or heat. Offers total cost of ownership reduction of up to 58% as compared with CFL downlights.
- Energy efficient — eW Downlight Powercore uses 80% less energy and can last over 40 times longer than incandescent lighting — up to 85,000 hours of use at 70% lumen maintenance.
- Flexible mounting options — Mounts to a standard 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.
- Warm and cool color temperatures — Available in two color temperatures, a warm 2700 K appropriate for intimate, open environments such as restaurants, hotel lobbies, and homes, and a cool 4000 K 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, and a 65° beam angle for floodlighting and low-ceiling environments such as corridors.
- Four available voltages — Power modules of 100 VAC, 120 VAC, 220 – 240 VAC, and 277 VAC are available for consistent installation and operation in multiple locations.
- 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.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.



For detailed product information, please refer to the eW Downlight Powercore Product Guide at www.philipscolorkinetics.com/ls/essentialwhite/ewdownlight/

PHILIPS

Specifications

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

Item	Specification	2700 K*
	Lumens†	405 (30° beam angle) 527 (65° beam angle)
	Efficacy (lm / W)	27.0 (30° beam angle) 35.1 (65° beam angle)
	CRI	84
	Lumen Maintenance‡	85,000 hours L70 @ 25° C 50,000 hours L70 @ 50° 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	0.95 @ 120 V
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 in (191 x 191 x 51 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
Certification and Safety	Humidity	0 – 95%, non-condensing
	Certification	UL / cUL, FCC Class B, CE, CCC, C-Tick
	Environment	Dry / Damp Location, IP50

* 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.



Fixtures and Accessories

Item	Type	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
Lamp Modules 100 / 120 / 277 VAC	65° beam angle	523-000009-06	910503700560
	30° beam angle	523-000009-08	910503700562
Bezel Modules	White	523-000011-00	910503700237
	Black	523-000011-01	910503700238
	Brushed Aluminum	523-000011-02	910503700239
Complete Fixture Kit 220 – 240 VAC only	White 65° beam angle	523-000031-07	910503700347
	White 30° beam angle	523-000031-01	910503700341
	Black 65° beam angle	523-000031-09	910503700349
	Black 30° beam angle	523-000031-03	910503700343
	Brushed Aluminum 65° beam angle	523-000031-11	910503700351
	Brushed Aluminum 30° beam angle	523-000031-05	910503700345

Use Item Number when ordering in North America.

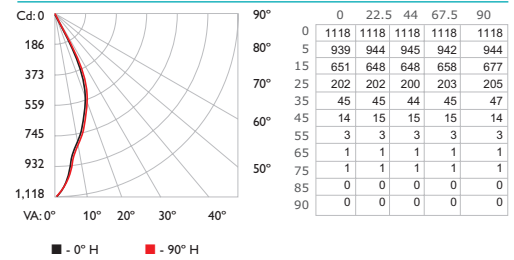


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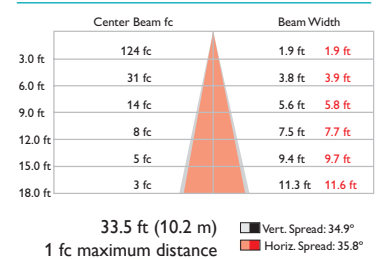
Photometrics

2700 K, 30° (narrow) beam angle

Polar Candela Distribution



Illuminance at Distance

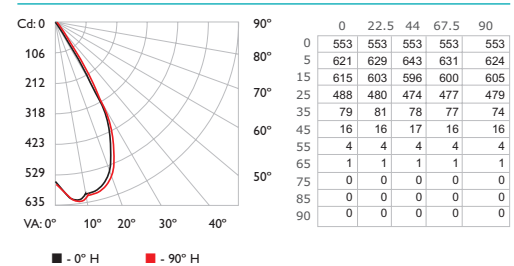


Lumens	405
Efficacy	27.0 lm / W

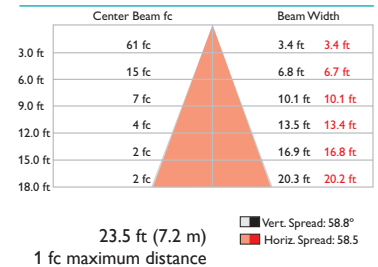
For lux multiply fc by 10.7

2700 K, 65° (wide) beam angle

Polar Candela Distribution



Illuminance at Distance



Lumens	527
Efficacy	35.1 lm / W

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