

PETITE 1" CYLINDER PENDANT



9" Height
Bevel

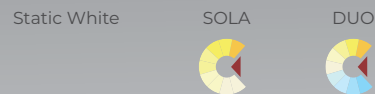


12" Height
Glow ring

Beam Angles



Light Source

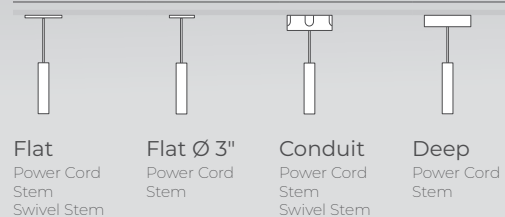


Performance

LUMEN OUTPUT ¹	WATTS	EFFICACY
582 lm	8 W	73 lm/W
671 lm	10 W	67 lm/W
782 lm	12 W	65 lm/W

¹Lumen packages are assuming 3500K, 90+ CRI, 45° beam, white bevel baffle, and with no lens.

Mounting Options



The Petite family strikes that perfect balance of compact size, streamlined aesthetics, and high performance. Through their 1" lens apertures, these meticulously engineered downlight, cylinder, and multi-aperture luminaires breathe light into spaces with a quiet, straightforward sophistication.

Petite Family (Refer to other spec sheets)

Downlight



Multi-aperture



Cylinder

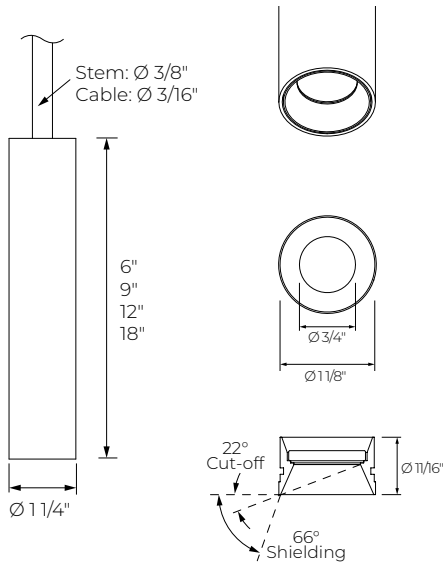


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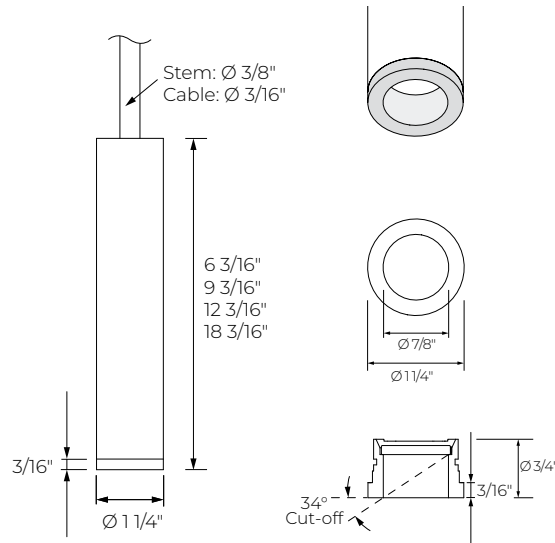


Dimensions

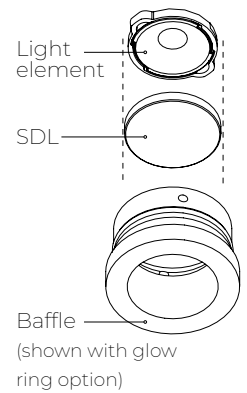
BEVEL



GLOW RING



Lens



Mounting

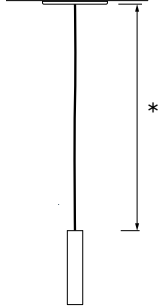
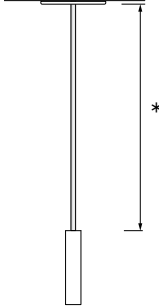
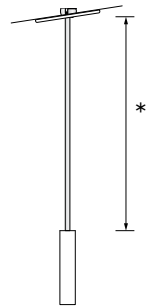
CANOPY

	INTEGRAL DRIVER				REMOTE DRIVER			
	FLR	FLR3	CDR	DR	FLR	FLR3	CDR	DR
	Flat round canopy, 4" octagonal j-box	Flat round canopy, Ø 3"	Conduit feed, round canopy	Deep round canopy	Flat round canopy, 4" octagonal j-box	Flat round canopy, Ø 3"	Conduit feed, round canopy	Deep round canopy
Canopy size	Ø 4 1/2" Height 3/8"	Ø 3" Height 1/4"	Ø 5 1/2" Height 1 15/16"	Ø 5 5/8" Height 1 3/8"	Ø 4 1/2" Height 3/8"	Ø 3" Height 1/4"	Ø 5 1/2" Height 1 15/16"	Ø 5 5/8" Height 1 3/8"
Suspension	Power cord, Stem				Power cord, Stem, Swivel stem	Power cord, Stem	Power cord, Stem, Swivel stem	Power cord, Stem

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SUSPENSION

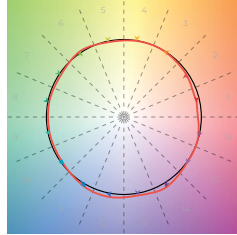
POWER CORD	STEM	
PVC	Stem	Swivel stem ¹ Max 45° tilt
		
Power cord length (*): Min 18" - Max 72"	Stem length (*): Min 10" - Max 72" <small>¹Only available with FLR/CDR and remote driver.</small>	

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Color Quality

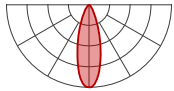
COLOR QUALITY - 3500K	
TM-30 R _r	91
TM-30 R _g	100
CRI	90+
R9	> 50



Photometrics

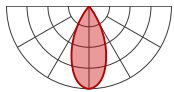
STATIC WHITE

Values calculated based on 3500K, 90+ CRI, and with no lens. The light distribution will vary depending on baffle style and baffle finish.



35DEG - 35° Narrow flood

WATTAGE		8 W		10 W		12 W	
Baffle style	Baffle finish	lm	lm/W	lm	lm/W	lm	lm/W
Bevel	White	549	69	633	63	737	61
	Black, Champagne, Dark bronze	447	56	517	52	602	50
	Satin silver, Matte silver	523	65	604	60	703	59
Glow ring		555	69	641	64	746	62



45DEG - 45° Flood

WATTAGE		8 W		10 W		12 W	
Baffle style	Baffle finish	lm	lm/W	lm	lm/W	lm	lm/W
Bevel	White	582	73	671	67	782	65
	Black, Champagne, Dark bronze	470	59	412	41	480	40
	Satin silver, Matte silver	557	70	643	64	749	62
Glow ring		560	70	646	65	752	63

MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. CCT, CRI, and lensing will change the lumen value.

CCT		CRI		LENS	
2400K	0.87	80+ CRI	1	SDL - Soft diffused lens, Solite	0.91
2700K	0.94	90+ CRI	1	NOL - No lens	1
3000K	0.98	95+ CRI	0.77		
3500K	1				
4000K	1.05				
5000K	1.05				

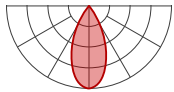
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Photometrics

SOLA/DUO

Values calculated based on with no lens. The light distribution will vary depending on baffle style and baffle finish.



45DEG - 45° Flood

SOLA

WATTAGE			10 W		12 W	
CCT	Baffle style	Baffle finish	lm	lm/W	lm	lm/W
3000K	Bevel	White	327	33	380	32
		Black, Champagne, Dark bronze	265	26	308	26
		Satin silver, Matte silver	313	31	365	30
	Glow ring	314	31	366	30	
2700K	Bevel	White	327	33	380	32
		Black, Champagne, Dark bronze	265	26	308	26
		Satin silver, Matte silver	313	31	365	30
	Glow ring	314	31	366	30	

DUO

WATTAGE			8 W	
CCT	Baffle style	Baffle finish	lm	lm/W
6500K	Bevel	White	219	27
		Black, Champagne, Dark bronze	170	21
		Satin silver, Matte silver	192	24
	Glow ring	221	28	
5000K	Bevel	White	219	27
		Black, Champagne, Dark bronze	170	21
		Satin silver, Matte silver	192	24
	Glow ring	221	28	
2700K	Bevel	White	192	24
		Black, Champagne, Dark bronze	148	19
		Satin silver, Matte silver	168	21
	Glow ring	184	23	

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Technical Specifications

OPTIC

The CircaFlex™ Optic, uses advanced beamsplitting technology to allow light to follow an intended optical path with maximal precision, minimal spread, and even distribution.

LIGHT SOURCE

Static white

Compact COB (Chip-On-Board) LED module, available in 2400K, 2700K, 3000K, 3500K, 4000, and 5000K with a choice of 80+ CRI, 90+ CRI, or 95+ CRI, with elevated R9 value for 90+ CRI and above. Color consistency is maintained to within 2 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. Two color temperature range options are offered: 3000K to 1800K, and 2700K to 1800K. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

Chromawerx DUO

Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool to warm LED arrays - maintaining a CRI above 90. Two color temperature range options are offered: 6500K to 2700K, and 5000K to 2700K. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

ELECTRICAL

Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency > 84%, PF > 0.9, THD < 20%.

Integral: 0-10V, ELV, TRIAC, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V

Remote: 0-10V, ELV, TRIAC, Lutron Hi-Lume 1% EcoSystem, DALI, eldoLED 0.1% SOLOdrive 0-10V, eldoLED 1% ECOdrive 0-10V, DMX, Lutron DALI-2 digital

Emergency battery option: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. IOTA and Fulham options available upon request. Minimum of 90 minutes operation, and recharge time of 24 hours. For fixtures less than 10 W, the battery provides 6 W of emergency light output. For fixtures 10 W and over, the battery provides 10 W.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, DUO (tunable white), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

CONSTRUCTION

Housing: Die-cast and extruded aluminum

Power cord: Black and white PVC. 18" to 72" standard length.

Stem: Ø 3/8" rigid stem and swivel stem 10" to 72" standard length

Canopy: Flat, Flat Ø 3", conduit feed, and deep

Finish: Matte white, black, champagne, and dark bronze. Custom colors also available (provide RAL #). Satin silver and matte silver finishes are also available for Baffle.

Baffle: Die-cast aluminum

Glow ring: Acrylic

Heat sink: Die-cast aluminum

WEIGHT

6": 0.84 lbs - 0.38 kg

9": 1.06 lbs - 0.48 kg

12": 1.28 lbs - 0.58 kg

18": 1.65 lbs - 0.75 kg

LENS



Soft diffused
lens, Solite

ENVIRONMENT

Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees).

CERTIFICATION

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.