

APEN

Architectural Pendant Cylinder Luminaire Lumen & Kelvin Selectable

Project:	
Type:	
Catalog #:	

STANDARDS



HOUSING

- Premium powder-coat, aluminum, bronze housing.

ELECTRICAL

- Operating temperature (ambient): -40°C to 45°C (-40°F to 113°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- Surge protection = 4kV.
- Power factor > 0.90.

OPTICAL SYSTEM

- Silicon dioxide glass lens.
- Field selectable 2700k (soft white), 3000k (warm white), 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Tri-Lumen selectable provides a range of 978 to 1907 nominal lumens*.
- Long-life LEDs provide 140,000 hours of operation with at least 70% of initial lumen output (L70), and 41,000 hours with at least 90% of initial lumen output (L90)**.
- Fixtures comes installed with 40 degree reflector.
- Available field replaceable reflectors for 25° and 60°.
- LED color maintenance < 0.0004 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 90.

* Default 4000k color temperature and highest lumen output.

**L70 hours are IES TM-21-11 calculated hours.



MOUNTING

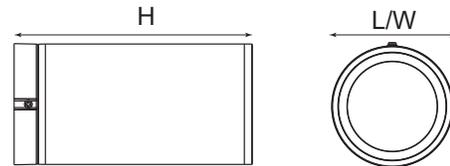
- Optional Surface mount kit.
- Optional Cord mount kit.
- Optional Stem mount kit (Sold separately).†

CODE COMPLIANCE

- cULus listed for wet locations.
- Energy Star certified.
- Complies with FCC part 15, class B.

WARRANTY

- 5 year warranty on all electronics and housing.



Model #	L (in)	W (in)	H (in)	Weight (lbs)
APEN4-221L-5CCT-SM	4.17	4.17	8.27	2.39
APEN4-221L-5CCT-CM	4.17	4.17	67.30	2.58

ORDERING INFORMATION

Example: APEN4-221L-5CCT-SM

Series	Nominal Lumen Output (Selectable)		Kelvin Selectable	Mounting Method
	Series	Output (lm)		
APEN4	221L	2000 / 1600 / 1000lm	5CCT 2700K / 3000K / 3500K / 4000K / 5000K	SM Surface Mounting CM Cord Mounting

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ACCESSORIES (ORDER SEPARATELY)

Reflector

APEN4-REFL-25 = 25° Reflector for APEN4-221L-5CCT

APEN4-REFL-60 = 60° Reflector for APEN4-221L-5CCT

Mounting Option

APEN-MT-STEM = Stem Mount for APEN4-221L-5CCT (consists of 4 stems measuring 12") †

Mounting Accessory

APEN-JBOX-COVER = Junction Box Cover for APEN4-221L-5CCT

† Note: Must order APEN4-221L-5CCT-CM version (cord mount) to use stem mount kit. e: Must order APEN

COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number	Dimmer Range	Load Switching Capacity
Best Lighting	DWS-010V-T	10%-100%	600W
Best Lighting	DWS-010V-D	10%-100%	600W
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W

LUMEN TABLES

Series	Measurements	Low Lumens					Mid Lumens					High Lumens				
		2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K	2700K	3000K	3500K	4000K	5000K
APEN4-221L-5CCT	Lumens	978	1026	1074	1119	1200	1305	1367	1438	1509	1615	1527	1597	1679	1766	1907
	Watt	11.42	11.41	11.37	11.5	11.56	15.69	15.68	15.62	15.84	15.98	18.82	18.74	18.65	18.99	19.18
	Efficacy	85.64	89.92	94.46	97.30	103.81	83.17	87.18	92.06	95.27	101.06	81.14	85.22	90.03	93.00	99.43

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ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
APEN4-221L-5CCT	2700K	0.10	0.05	0.04	0.13	0.07	0.06	0.16	0.08	0.07
	3000K	0.10	0.05	0.04	0.13	0.07	0.06	0.16	0.08	0.07
	3500K	0.09	0.05	0.04	0.13	0.07	0.06	0.16	0.08	0.07
	4000K	0.10	0.05	0.04	0.13	0.07	0.06	0.16	0.08	0.07
	5000K	0.10	0.05	0.04	0.13	0.07	0.06	0.16	0.08	0.07

PHOTOMETRICS

APEN4-221L-5CCT (Optional 25° reflector)

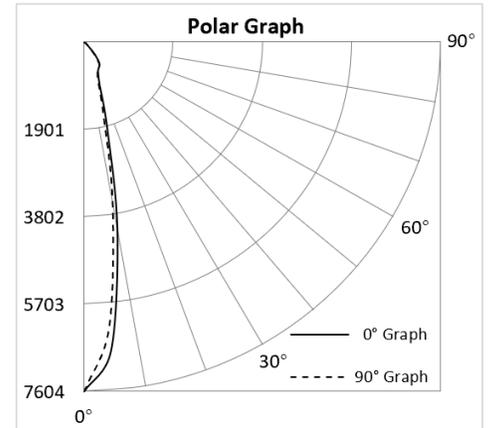
Luminaire Data

Description	Architectural Pendant Lumen/Kelvin Selectable
Total Lumens	1,819
Input Wattage	19
Efficacy (lm/W)	96
Spacing Criterion (0-180°)	0.38
Spacing Criterion (90-270°)	0.34

Photometrics calculated at 4000k, and highest lumen setting

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	1,033	56.8%
0-30°	1,363	75.0%
0-40°	1,698	93.4%
20-50°	752	41.3%
40-70°	103	5.7%
0-60°	1,799	98.9%
0-80°	1,803	99.1%
0-90°	1,803	99.1%
90-180°	16	0.9%
0-180°	1,819	100.0%



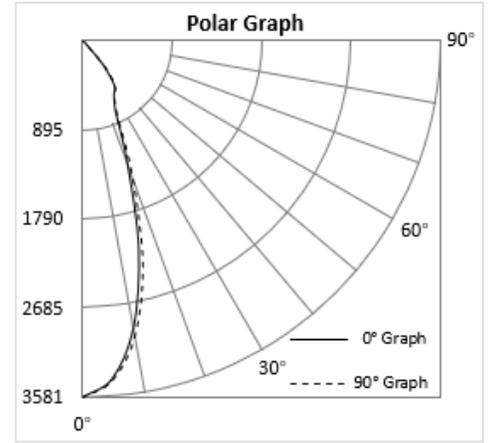
APEN4-221L-5CCT (Optional 40° reflector)

Luminaire Data

Description	Architectural Pendant Lumen/Kelvin Selectable
Total Lumens	1,766
Input Wattage	19
Efficacy (lm/W)	93
Spacing Criterion (0-180°)	0.58
Spacing Criterion (90-270°)	0.6
Photometrics calculated at 4000k, and highest lumen setting	

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	913	51.7%
0-30°	1,309	74.1%
0-40°	1,648	93.3%
20-50°	830	47.0%
40-70°	115	6.5%
0-60°	1,758	99.5%
0-80°	1,765	100.0%
0-90°	1,766	100.0%
90-180°	0	0.0%
0-180°	1,766	100.0%



APEN4-221L-5CCT (Optional 60° reflector)

Luminaire Data

Description	Architectural Pendant Lumen/Kelvin Selectable
Total Lumens	1,798
Input Wattage	19
Efficacy (lm/W)	95
Spacing Criterion (0-180°)	0.86
Spacing Criterion (90-270°)	0.8
Photometrics calculated at 4000k, and highest lumen setting	

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	684	38.1%
0-30°	1,236	68.7%
0-40°	1,665	92.6%
20-50°	1,074	59.7%
40-70°	113	6.3%
0-60°	1,771	98.5%
0-80°	1,782	99.1%
0-90°	1,783	99.1%
90-180°	15	0.9%
0-180°	1,798	100.0%

