

BCLDLED4FT-42D 4' Cloud Luminaire



Project:	
Type:	
Catalog #:	



STANDARD



The BCLDLED4FT is a 1' x 4' LED cloud luminaire. It is designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals, stores, and residences, and is the perfect choice for both new construction and retrofits. This high-efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10vdc dimming capability.

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 52,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Provides 3,691 luminaire lumens (95 lumens per watt) at both 4000k and 5000k.*
- Uniform illumination with no visible LED pixelation.
- Universal 100-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard.
- Power factor > 0.95.
- Total harmonic distortion < 10%.
- Color rendering index > 80.
- Steel housing and acrylic lens.
- Easy installation in new construction or retrofit..

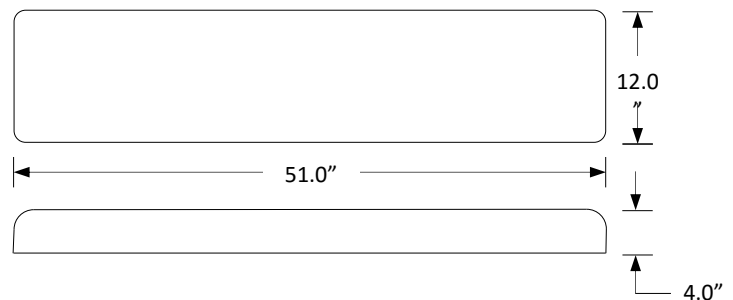
* Contact factory for other color temperatures and lumen packages.

** L_{70} hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

- ETL approved for damp locations and to relevant U.L. standards (-30° C to 50° C / -22° F to 122° F).
- DLC approved.
- Complies with FCC Part 15, Class A.
- Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.5kV).
- Complies with IEC 61000-4-2 level 2 (4kV) electrostatic discharge (ESD).
- 5-year warranty of all electronics and housing.

DIMENSIONS



ORDERING INFORMATION

Model	Color Temperature	Luminaire Lumens	Luminaire Watts	Lumens / Watt
BCLDLED4FT-42D-4KMV	4000k	3,691	39	95
BCLDLED4FT-42D-5KMV	5000k			

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ELECTRICAL

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage	Input Current (A)			Power Factor	THD ²	L ₇₀ Hours
							120V	240V	277V			
BCLDLED4FT-42D-4KMV	4000k	> 80	3,691	39	95	120-277 (50-60Hz)	0.33	0.16	0.14	> 95%	< 10%	52,000
BCLDLED4FT-42D-5KMV	5000k	> 80	3,691	39	95	120-277 (50-60Hz)	0.33	0.16	0.14	> 95%	< 10%	52,000

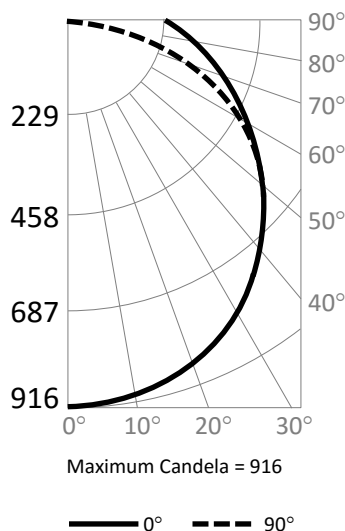
¹ Color rendering index

² Total harmonic distortion

³ L70 refers to the number of operation hours at which 70% of initial lumen output is reached.

PHOTOMETRIC DATA

Model: BCLDLED4FT-42D-4KMV (3,691 lumens)



Candlepower Summary

	0°	90°
0°	916	916
10°	904	903
20°	867	963
30°	804	797
40°	716	708
50°	600	604
60°	458	496
70°	294	394
80°	132	305
90°	59	231

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	87	2.3%
0° – 20°	336	9.1%
0° – 30°	720	19.5%
0° – 40°	1,193	32.3%
0° – 50°	1,700	46.1%
0° – 60°	2,182	59.1%
0° – 70°	2,590	70.2%
0° – 80°	2,897	78.5%
0° – 90°	3,691	100.0%
90° – 180°	0	0%
0° – 180°	3,691	100.0%

Cone of Light

