CLTR22N-30
Premium Performance 30 Watt 2x2 Center Basket

LEDQUANT COMMERCIAL

Project:	
Type:	
Catalog #:	

STANDARD

The premium-performance CLTR22N is a 2' x 2' LED center basket luminaire, which offers industry-leading lumens per watt (LPW), and which is *DLC Premium* listed. The CLTR22N is designed as a direct replacement for 2' x 2' fluorescent luminaires installed in grid ceilings. It is designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals and stores, 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 3000k (warm white), 3500k (warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures.*[*]
- *Long-life LEDs provide 81,000 hours of operation with at least 70% of initial lumen output (L_{70}).*[**]
- *Provides 3,709 luminaire lumens (124 lumens per watt, LPW) at both 3000k and 3500k; 3,766 luminaire lumens (126 LPW) at 4000k; and 3,823 luminaire lumens (128 LPW) at 5000k.*[*]
- *Uniform illumination with no visible LED pixelation.*
- *Universal 120-277 AC voltage (50-60Hz) is standard.*
- *0-10vdc dimming capability is standard.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index > 80.*
- *Steel housing and acrylic lens.*
- *Easy installation in new construction or retrofit. Fits in standard 2' x 2' grid ceilings.*
- *Standard earthquake clips provide secure installation in grid ceilings.*
- *Standard mounting options include recessed mounting in grid ceilings, or suspended mounting using attached hanging brackets. For mounting in plaster or other hard ceiling, see Mounting Kits.*
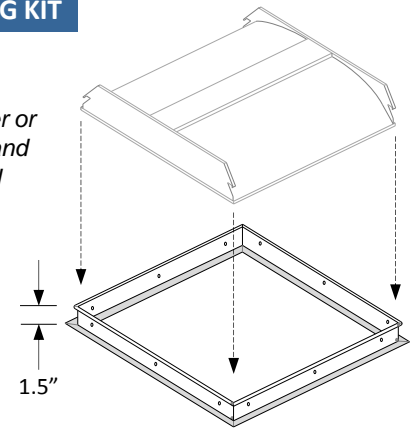
[*] *Contact factory for other color temperatures and lumen packages.*
[**] *L_{70} hours are IES TM-21-11 calculated hours.*
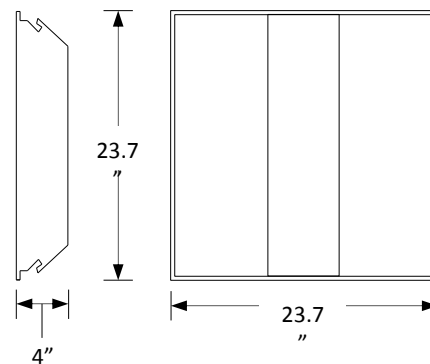
WARRANTY & LISTINGS

- *UL listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -25°C to 50°C (-13°F to 122°F).*
- *DLC Premium listed.*
- *Complies with RoHS (Restriction on Hazardous Substances) requirements.*
- *Complies with FCC Part 15, part B.*
- *Complies with IEEE C.62.41-1991, input transient protection (2.5kV).*
- *5-year warranty of all electronics and housing.*

FLANGE MOUNTING KIT

- *Flange Mount Kit (FLANGE22) mounts above plaster or other hard ceilings, and the panel is mounted flush to the ceiling.*

1.5"

DIMENSIONS

23.7"

23.7"

4"

Weight: 8.4 lbs.

ORDERING INFORMATION

Example: CLTR22N-3035-FLANGE22

Model	Luminaire Watts	Luminaire Lumens	Lumens/ Watt	Color Temperature	Input Voltage	DLC Listing	Options
CLTR22N	30	3,709	124	30 = 3000k	(120-277V)	DLC Premium	FLANGE22 = Flange Mounting Kit
		3,709	124	35 = 3500K			
		3,766	126	40 = 4000k			
		3,823	128	50 = 5000k			

ELECTRICAL DATA

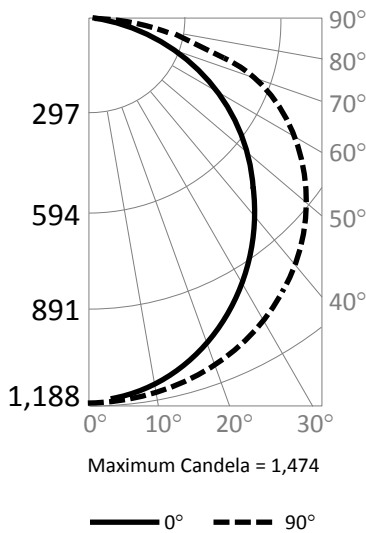| Model	Color Temp.	CRI [1]	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage	Input Current (A)			Power Factor	THD [2]	L$_{70}$ Hours[3]
							120V	240V	277V			
CLTR22N-3030	3000k	> 80	3,709	30	124	120-277	0.25	0.13	0.11	> 90%	< 20%	81,000
CLTR22N-3035	3500k	> 80	3,709	30	124	120-277	0.25	0.13	0.11	> 90%	< 20%	81,000
CLTR22N-3040	4000k	> 80	3,766	30	126	120-277	0.25	0.13	0.11	> 90%	< 20%	81,000
CLTR22N-3050	5000k	> 80	3,823	30	128	120-277	0.25	0.13	0.11	> 90%	< 20%	81,000

[1] Color rendering index.
[2] All 50-60Hz.
[3] Total harmonic distortion.
[4] L$_{70}$ refers to the number of hours at which lumen output declines to 70% of the initial level. L$_{70}$ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

CLTR22N-3050 (3,823 Lumens)

Maximum Candela = 1,474

— 0°   --- 90°

Candlepower Summary

	0°	90°
0°	1,180	1,180
10°	1,171	1,164
20°	1,132	1,099
30°	1,067	995
40°	976	854
50°	868	690
60°	736	508
70°	565	315
80°	193	133
90°	0	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	116	3.0%
0° – 20°	450	11.8%
0° – 30°	959	25.1%
0° – 40°	1,582	41.4%
0° – 50°	2,246	58.8%
0° – 60°	2,878	75.3%
0° – 70°	3,408	89.1%
0° – 80°	3,744	97.9%
0° – 90°	3,823	100.0%
90° – 180°	0	0%
0° – 180°	3,823	100.0%

Cone of Light

Distance to Work Plane	Foot-Candles (FC) at Nadir
6'	37 FC
8'	23 FC
10'	16 FC
12'	13 FC

Nadir 0°