

**Food Processing • Cold Storage • Food Service**


Clear-Vu Lighting's foodLED series has been designed for applications requiring recessed LED lighting fixtures that are NSF/ANSI 2 listed for splash zone and non-food zones, IP66 rated for wipe/wash/hose-down cleaning protocols offered in a range of lumen packages up to 15,000 lumens.

The edge-lit LED optic systems provide the best in high levels of uniform lighting with no glare or shadows. The heavy gauge aluminum housing is a highly designed heat sink that maximizes LED life by conducting heat away from the LEDs and providing IP66 protection degrading environmental contamination.

Applications include: kitchens, food storage, dry process areas, damp process areas, wet process areas, high-pressure hose-down areas, and decontamination areas.

First-time innovations include: deep-draw stainless steel lens frame with no surface welding; universal installation design (recessed/flange and 2.0 T-Bar); edge-lit LED panel; one-piece mono-gasket system; wire and install without removing lens frame; LED heat sink/heat fin aluminum housing design; factory leakage testing and registration of every lighting fixture – 100%.

**FEATURES AND BENEFITS:**
**BEST-IN-CLASS LED LIGHT ENGINE**

- Edge-Lit LED light panels produce even facial luminance and glare free uniform lighting distribution
- DLC qualified
- 80,000 hour design life – 5 year warranty

**HIGH-TECH ENCLOSURE**

- Heavy duty, low-profile (2.0") extruded aluminum housing and die-cast end caps maximize conducted heat dissipation and produce a housing strong enough for walkable ceilings
- One-piece, deep-draw stainless steel lens frame is free of surface welding. 60° beveled edge produces a progressive surface with the ceiling
- One-piece Mono-Gasket System™ seals housing to ceiling structure and lens frame to housing

**UNMATCHED CONTROLLED ENVIRONMENT PERFORMANCE**

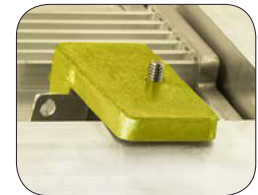
- Independent Lab and factory tested for leakage – IP66 (ISO60598). Each fixture factory leakage tested and registered\*
- Independent Lab tested for ease of cleanability, corrosion resistance and toxicity – NSF/ANSI 2
- Class I, Division 2 and Class II, Division 2 listed to assure safe operation in hazardous locations
- Hermetically sealed wire-way junction and swing-lock mounting brackets protect the housing interior from plenum space contaminants

**EASE OF INSTALLATION**

- Lens frame does not need to be removed for wiring or installation
- Lighting fixture designed for universal installation (recessed/flange or 2.0" T-Bar)



*Patent-pending Mono-Gasket System™ protects the food area from contaminants in the ceiling plenum provides IP66 rated protection against heavy hose-down (100 LPM).*

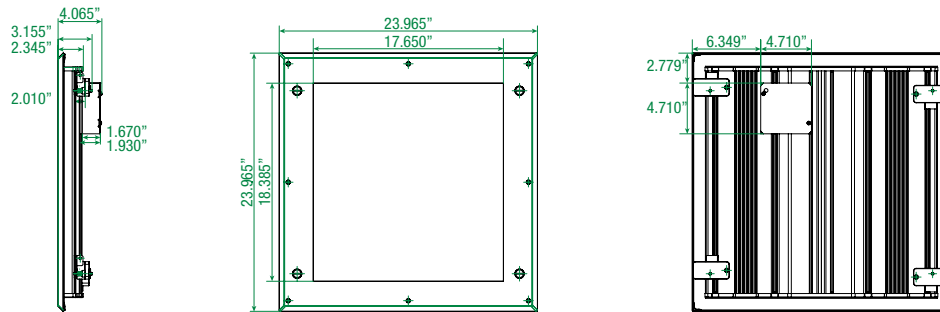


*The sealed swing-lock mounting brackets are adjustable without removing the frame – save installation time and install in hard ceiling or 2.0" T-Bar grid system.*



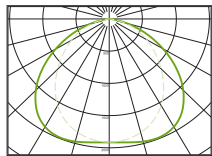
*One-piece overlapping lens frame fasteners are positioned very close to the perimeter of the lens frame, facilitating consistent ceiling structure contact*

## DIMENSIONAL DATA – Housing requires a ceiling cutout of 21.75" x 21.75"



## PHOTOMETRICS

### POLAR GRAPH



Catalog No.: CLF22-S1-C-UV  
Test Number: 1219170  
Lumens: 4967

RC	70	80	30	10	70	50	30	10	50	50	30	10	50	30	10	50	30	10	50	30	10	0
RW	70	50	30	10	70	50	30	10	50	50	30	10	50	30	10	50	30	10	50	30	10	0
0	5913	5913	5913	5913	5775	5775	5775	5775	5518	5581	5518	5284	5284	5284	5068	5068	5068	5068	5068	5068	5068	4967
1	5448	5230	5034	4858	5315	5118	4940	4779	4908	4762	4629	4716	4597	4488	4538	4444	4355	4254	4153	4054	3957	4254
2	4981	4597	4279	4011	4853	4504	4212	3964	4330	4084	3872	4169	3964	3784	4020	3852	3701	3597	3497	3397	3297	3597
3	4559	4061	3676	3369	4438	3984	3627	3339	3838	3532	3281	3702	3443	3224	3577	3358	3170	3065	2965	2865	2765	3065
4	4185	3614	3196	2877	4074	3549	3159	2857	3426	3087	2818	3312	3018	2780	3206	2953	2744	2639	2539	2439	2339	2639
5	3857	3241	2810	2492	3755	3186	2781	2478	3082	2725	2452	2985	2671	2426	2630	2620	2400	2297	2197	2097	1997	2297
6	3567	2925	2495	2186	3474	2879	2472	2176	2790	2427	2157	2708	2385	2138	2799	2344	2120	2020	1920	1820	1720	2020
7	3311	2658	2234	1937	3227	2618	2216	1930	2542	2180	1916	2471	2145	1902	2405	2112	1889	1793	1693	1593	1493	1793
8	3085	2429	2016	1733	3008	2395	2002	1728	2330	1972	1717	2269	1944	1707	2211	1917	1697	1604	1504	1404	1304	1604
9	2884	2062	1833	1563	2815	2203	1820	1559	2146	1796	1551	2093	1773	1543	2043	1750	1535	1446	1346	1246	1146	1446
10	2706	2186	1676	1420	2643	2036	1666	1417	1987	1646	1410	1941	1626	1404	1897	1607	1398	1313	1213	1113	1013	1313

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2451	49.3 %
0-60	4147	83.5 %
0-90	4966	100.0 %
90-180	0	0%

## SPECIFICATIONS

**Housing:** Low-profile (2.0") extruded aluminum housing with die-cast aluminum end caps. Extrusion profile produces internal heat sink and external heat fins to conduct/dissipate heat away from LED junction point to the housing exterior. Housing will support 1,000 pounds for walkable ceiling applications.

**Lens Frame:** One-piece, deep-draw fabricated Type 304 or Type 316 stainless steel lens frame free of surface welding. 60 degree beveled edge produces a progressive surface with the ceiling.

**Optics:** Edge lit LED optics. Light guide panel provides even facial illuminates and eliminates glare. Available in 4,000K and 5,000K.

**Electrical:** 100-277 VAC integral high efficiency driver and power supply (>0.90 power factor). Optional dimming (0-10V) and 1100 Lumens Flash 90-minute battery back-up (90-minute/1100 lumens).

**Installation:** Hermetically sealed wire-way junction (with 10' hazardous location whip [18/5] for Class II applications. Integral J-Box for all other applications – see Dimensional Data. Designed for universal installation – 2.0 T-Bar grid, modular ceiling panel (2"-3") and stick-built gypsum ceilings. Wiring and installation does not require removal of lens frame.

**Pending Listings, Ratings, Certifications and Protocols:** IP66 (ISO60598); NSF/ANSI 2 (Splash Zone); LM79; LM80.

## ORDERING INFORMATION

SERIES	LIGHT ENGINE	COLOR TEMP.	VOLTAGE	HOUSING	LENS FRAME	LENS	BACKUP	CERTS
CLF22	-	-	UV	HAL	-	-	-	-
CLF22= cleanLED recessed flange or 2.0" T-bar grid 2x2	S1*= 60 W/ 5,800 lm M1*= 80 W/ 6,800 lm H1= 130 W/ 10,300 lm	W= 3,500K N= 4,000K C= 5,000K A= Amber UV Filtering Y= Yellow 101	UV= Universal Voltage (100-277 VAC)	HAL= Extruded aluminum with die-cast end caps	LFSS304= 18-gauge Type 304 Stainless Steel LFSS316= 18-gauge Type 316 Stainless Steel	CTG= .125" Clear Tempered Glass CIA= .125" Clear Impact Acrylic	NB= No Backup IBB= Integral Battery Back-up HBB= Class I, Div 2 Battery Backup	MS= MIL STD 461F C1D2= Class I, Div 2 C2D2= Class II, Div 2

All lumens at steady state room temp  
\*Battery backup available

## PROJECT INFORMATION

Project Name/Location \_\_\_\_\_

Fixture Type \_\_\_\_\_

Fixture Quantity \_\_\_\_\_

Catalog Number \_\_\_\_\_