

Food Processing • Cold Storage • Food Service



Clear-Vu Lighting's foodLED series has been designed for applications requiring recessed LED lighting fixtures that are NSF2 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

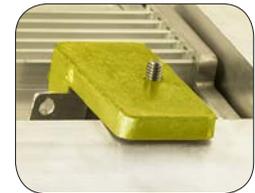
- Independent Lab and factory tested for leakage – IP66 (ISO60598). Each fixture factory leakage tested and registered*
- Independent Lab tested for ease of cleanability, corrosion resistance and toxicity – National Sanitation Foundation NSF2
- Class I, Division 2 and Class II, Division 2 listed to assure 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).

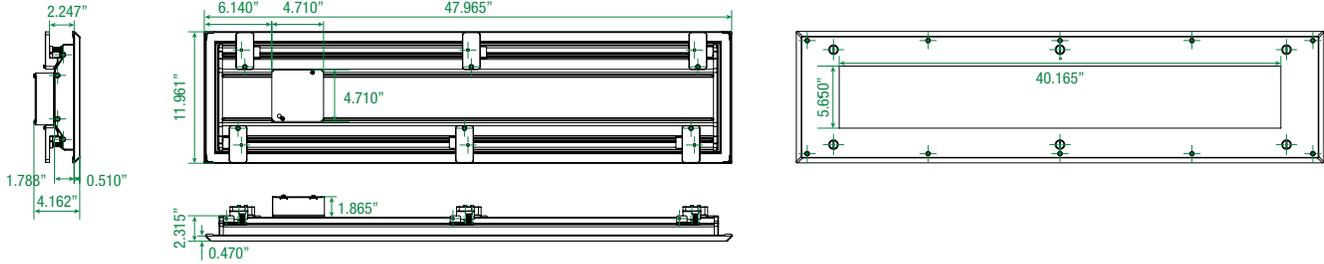


The sealed swing-lock mounting brackets are adjustable without removing the frame – save installation time and install in hard ceiling or 2.0" T-Bar grid system.



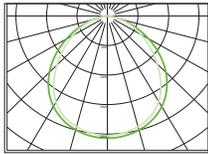
One-piece overlapping lens frame fasteners are positioned very close to the perimeter of the lens frame, facilitating consistent ceiling structure contact

DIMENSIONAL DATA – Housing requires a ceiling cutout of 9.75" x 45.75"



PHOTOMETRICS

POLAR GRAPH



Catalog No.: CLF14-S1
Test Number: 11398264
Lumens: 5079

RC	70	80	30	10	70	30	10	50	50	10	50	30	10	50	10	0
0	6046	6046	6046	6046	5906	5906	5906	5643	5643	5643	5403	5403	5403	5183	5183	5079
1	5579	5360	5163	4986	5444	5246	5067	4905	5032	4885	4751	4835	4716	4606	4654	4367
2	5108	4721	4400	4130	4978	4626	4331	4081	4448	4201	3987	4285	4078	3897	4133	3706
3	4680	4178	3789	3479	4558	4099	3739	3448	3650	3642	3388	3812	3550	3330	3685	3167
4	4301	3724	3301	2978	4188	3657	3262	2957	3532	3189	2917	3416	3119	2878	3308	2734
5	3966	3342	2906	2584	3862	3286	2877	2570	3180	2819	2543	3082	2765	2516	2990	2385
6	3671	3020	2583	2270	3576	2972	2560	2260	2882	2515	2240	2798	2471	2221	2719	2101
7	3409	2746	2316	2015	3323	2705	2297	2007	2628	2261	1993	2556	2225	1979	2488	1867
8	3177	2511	2092	1804	3099	2476	2077	1799	2410	2048	1788	2348	2018	1777	2289	1673
9	2971	2309	1903	1629	2901	2279	1890	1625	2221	1866	1616	2167	1842	1608	2116	1510
10	2788	2133	1741	1481	2724	2107	1731	1478	2057	1710	1471	2040	1690	1465	1966	1372

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2564	50.5 %
0-60	4286	84.4 %
0-90	5079	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); NSF2 (Splash Zone); LM79; LM80.

ORDERING INFORMATION

SERIES	LIGHT ENGINE	COLOR TEMP.	VOLTAGE	HOUSING	LENS FRAME	LENS	BACKUP	OPTIONS
FLF14			UV	HAL				
FLF14= foodLED recessed flange or 2.0" T-bar grid 1x4	S1= 55 W/ 5,000 lm M1= 80 W/ 7,500 lm H1= 110 W/ 10,000 lm	N= 4,000K C= 5,000K	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	CIA= .125" Clear Impact Acrylic	NB= No Backup IBB= Integral Battery Back-up HBB= Class I, Div 2 Battery Back-up	C1D2= Class I, Div 2 C2D2= Class II, Div 2

**All lumens initial*

PROJECT INFORMATION

Project Name/Location _____

Fixture Type _____

Fixture Quantity _____

Catalog Number _____