

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

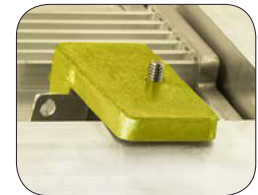
- Independent Lab and factory tested for leakage – IP66 (ISO60598). Each fixture factory leakage tested and registered*
- Independent Lab tested for ease of cleanability, corrosion resistance and toxicity – NSF/ANSI 2
- Class I, Division 2 and Class II, Division 2 listed to assure safe operation in hazardous 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).

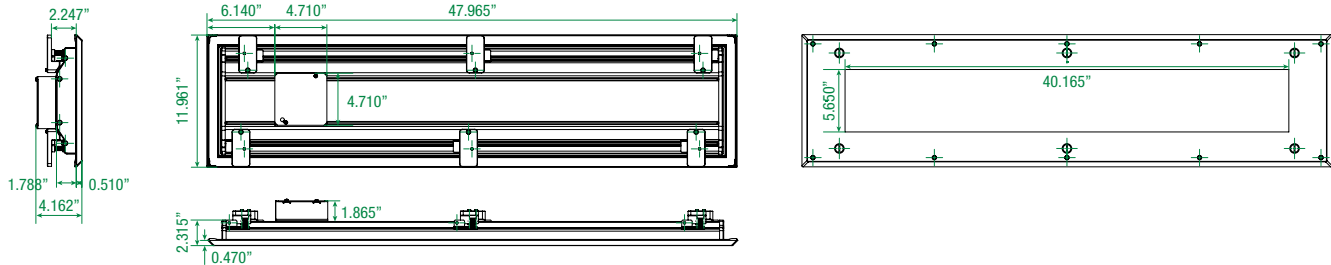


The sealed swing-lock mounting brackets are adjustable without removing the frame – save installation time and install in hard ceiling or 2.0" T-Bar grid system.



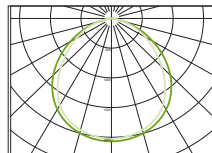
One-piece overlapping lens frame fasteners are positioned very close to the perimeter of the lens frame, facilitating consistent ceiling structure contact

DIMENSIONAL DATA – Housing requires a ceiling cutout of 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	30	10	50	30	10	50	30	10	50	30	10	0
RW	0	6046	6046	6046	6046	5906	5906	5906	5906	5643	5643	5643	5403	5403	5403	5183	5183	5183	5079	0
1	5579	5360	5163	4986	5444	5246	5067	4905	5032	4885	4751	4835	4716	4606	4654	4559	4470	4367	3706	0
2	5108	4721	4400	4130	4978	4626	4331	4081	4448	4201	3987	4285	4078	3897	4133	3963	3812	3706	3167	0
3	4680	4178	3789	3479	4558	4099	3739	3448	3650	3642	3388	3812	35550	3330	3685	3463	3274	3167	2734	0
4	4301	3724	3301	2978	4188	3657	3262	2957	3532	3189	2917	3416	3119	2878	3308	3052	2840	2734	2385	0
5	3966	3342	2906	2584	3862	3286	2877	2570	3180	2819	2543	3082	2765	2516	2990	2712	2489	2385	2101	0
6	3671	3020	2583	2270	3576	2972	2560	2260	2882	2515	2240	2798	2471	2221	2719	2429	2202	2101	1867	0
7	3409	2746	2316	2015	3323	2705	2297	2007	2628	2261	1993	2556	2225	1979	2488	2191	1965	1867	1673	0
8	3177	2511	2092	1804	3099	2476	2077	1799	2410	2048	1788	2348	2018	1777	2289	1990	1767	1673	1510	0
9	2971	2309	1903	1629	2901	2279	1890	1625	2221	1866	1616	2167	1842	1608	2116	1819	1600	1510	1372	0
10	2788	2133	1741	1481	2724	2107	1731	1478	2057	1710	1471	2040	1690	1465	1966	1671	1458	1372	1210	0

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); NSF/ANSI 2 (Splash Zone); LM79; LM80.

ORDERING INFORMATION

SERIES	LIGHT ENGINE	COLOR TEMP.	VOLTAGE	HOUSING	LENS FRAME	LENS	BACKUP	CERTS
CLF14	S1*	W=	UV	HAL	LFSS304=	CTG=	NB=	MS=
	cleanLED	60 W/	Universal	Extruded	18-gauge	.125"	No	MIL STD
	recessed	5,600 lm	Voltage	aluminum	Type 304	Clear	Backup	461F
	flange or		(100-277	with die-	Stainless	Tempered	IBB=	C1D2=
	2.0" T-bar	M1*=	VAC)	cast end	Steel	Glass	Integral	Class I,
	grid 1x4	80 W/		caps			Battery	Div 2
		6,800 lm			LFSS316=	CIA=	Back-up	C2D2=
					18-gauge	.125"		Class II,
		H1=			Type 316	Clear	HBB=	Div 2
		130 W/			Stainless	Impact	Battery	
		10,000 lm			Steel	Acrylic	Backup	

All lumens at steady state room temp
*Battery backup available

PROJECT INFORMATION

Project Name/Location _____

Fixture Type _____

Fixture Quantity _____

Catalog Number _____