

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

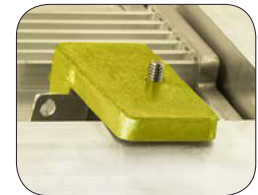
- Independent Lab and factory tested for leakage – IP66 (ISO60598). Each fixture factory leakage tested and registered*
- Independent Lab tested for ease of cleanability, corrosion resistance and toxicity – NSF/ANSI 2
- Class I, Division 2 and Class II, Division 2 listed to assure safe operation in hazardous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

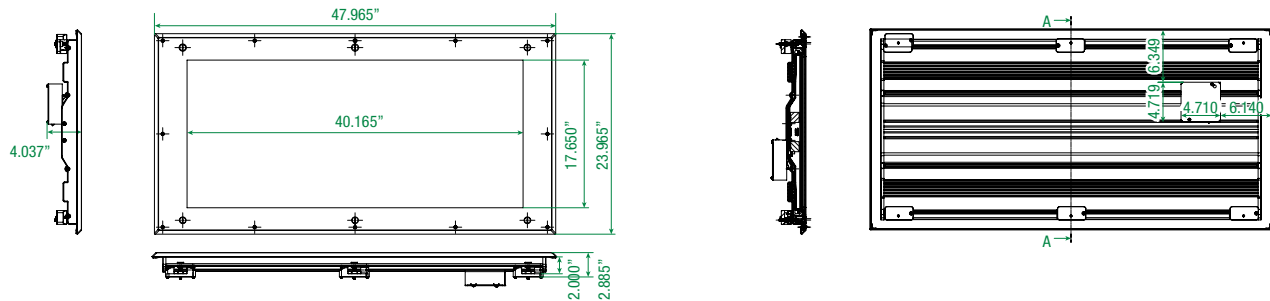


The sealed swing-lock mounting brackets are adjustable without removing the frame – save installation time and install in hard ceiling or 2.0" T-Bar grid system.



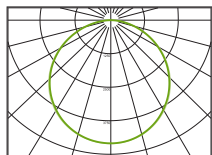
One-piece overlapping lens frame fasteners are positioned very close to the perimeter of the lens frame, facilitating consistent ceiling structure contact

DIMENSIONAL DATA – Housing requires a ceiling cutout of 21.75" x 45.75"



PHOTOMETRICS

POLAR GRAPH



Catalog No.: CLF24-S1-C-UV
Test Number: 1219173
Lumens: 5345

RC	70	80	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RW	0	1	2	3	4	5	6	7	8	9	10	10	10	10	10	10	10	0
Effective Floor Cavity Reflectance 0.20	6363	5863	5362	4907	4506	4152	3840	3564	3321	3104	2912	6363	5863	5362	4907	4506	4152	5345
	6363	5629	4949	4373	3892	3489	3150	2861	2615	2403	2219	6363	5629	4949	4373	3892	3489	5345
	6363	5419	4607	3959	3442	3026	2686	2406	2171	1973	1084	6363	5419	4607	3959	3442	3026	5345
	6215	5720	5224	4778	4386	4042	3740	3473	3238	3030	2844	6215	5720	5224	4778	4386	4042	5345
	6215	5508	4849	4289	3822	3430	3100	2818	2578	2371	2191	6215	5508	4849	4289	3822	3430	5345
	6215	5318	4535	3906	3402	2995	2662	2386	2155	1960	1793	6215	5318	4535	3906	3402	2995	5345
	5938	5283	4661	4132	3690	3318	3004	2737	2508	2310	2139	5938	5283	4661	4132	3690	3318	5345
	5938	5126	4397	3804	3325	2935	2614	2347	2123	1934	1771	5938	5126	4397	3804	3325	2935	5345
	5938	4983	4169	3533	3036	2641	2323	2064	1849	1670	1518	5938	4983	4169	3533	3036	2641	5345
	5686	5076	4488	3987	3567	3214	2916	2661	2442	2253	2089	5686	5076	4488	3987	3567	3214	5345
	5686	4949	4268	3707	3251	2877	2568	2310	2093	1908	1750	5686	4949	4268	3707	3251	2877	5345
	5454	4831	4075	3473	2995	2613	2303	2049	1838	1661	1511	5454	4831	4075	3473	2995	2613	5345
	5454	4688	3985	3382	2918	2522	2232	2034	1827	1653	1505	5454	4688	3985	3382	2918	2522	5345
	5454	4579	3874	3266	2802	2405	2117	1919	1727	1557	1413	5454	4579	3874	3266	2802	2405	5345

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2641	49.4 %
0-60	4470	83.6 %
0-90	5344	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
CLF24	S1*= 60 W/ 6,600 lm M1*= 76 W/ 8,200 lm H1= 100 W/ 10,700 lm VH1= 160 W/ 15,400 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 _____