

Splash Zone™ 150W Wide Body Linear Vaportight

27,135 LUMENS · 201 LPW

PROJECT NAME

FIXTURE TYPE

COMPLETE CATALOG

DATE

COMMENTS

The EnviroLux Splash Zone™ Easy Hang **Wide Body** Industrial Food Grade Vaportight is built for mounting heights up to 80 feet — food processing, mining tunnels, warehouses and manufacturing — with up to 201 lumens per watt and 80+ CRI. Our LED boards run substantially cooler than competing fixtures, reducing refrigeration load in cold storage.



HOUSING

Fiberglass composite housing designed for ease of installation and maintenance. Poured-in-place gasket seals the enclosure from the most hostile of environments. Economical mounting system provides dramatic savings in installation labor. Very tough diffusers resist breakage and reduce replacement and maintenance costs. Patented frosted lens reduces direct glare and hot-spot images of the LEDs. Durable stainless steel mounting hardware. No need to drill through the housing, so installation time is dramatically reduced. Optional stainless steel bail for chain/cable hung installations.

LENS

Clear or patented frosted diffuser, **polycarbonate** or **acrylic**. 12 captive latches per unit; optional 316 stainless latches.

ENVIROLUX LED ENGINE

Aluminum metal-core board with 2 oz copper inlay, silicone coated. Up to 201 LPW, 80+ CRI, tight-bin LEDs. **Built by EnviroLux in Texas.**

WATTAGE & OUTPUT

150W LED array · 150 input watts · **27,135 delivered lumens** at 5000K (201 LPW). Wide 100° optic.

DRIVER

Electronic driver, 120-277V 50/60Hz, THD < 20%, PF > 0.90, 6 kV surge protection. 0-10V dimming 100-10% standard (150 µA source). Not for line-voltage dimmers.

LISTINGS & RATINGS

ETL Listed to ANSI/UL 1598 and UL 8750. NSF component certified for food processing. IP65/66/67, NEMA 4X, PSI-1500 washdown. RoHS.

Dimensions — 150W

Length	51.81"
Width	14.5"
Height	5.72"

MOUNTING

V-hangers and 3' cord included. Optional EES-VH316 ceiling mount, EES-BC beam clamp, bail, rod pendant.

WARRANTY

10-year warranty, -40°C to +50°C ambient. Lumen maintenance on page 3.

FINISH

Standard white molded composite. **Optional AeroShield™** epoxy / polysiloxane coating, spray-applied in Texas, in any RAL color.

ORDERING INFORMATION EXAMPLE: EES-CT4-VT-150W-UNV-PS-5K-W-C

MODEL	WATTS	DRIVER	CCT	COLOR	LENS	OPTIONS
EES-CT4-VT Wide Body Linear	150W = 150W	UNV-PS = 120-277V 480V = 480V	3K = 3000K 4K = 4100K 5K = 5000K	W = White RAL avail.	C = Clear F = Frosted PC or acrylic	EMB = Emergency Battery Backup · CTWP = Cold-Temp Weatherproof Self-Diagnostic Emergency Battery Backup TLP = Twist Lock Plug (must specify twist lock voltage and designation) · C4 = 4' Cord, SEOWW, 600V · C6 = 6' Cord, STW, 600V EMSR / EMSCTWPR = End Mount Remote Sensor, to 40 ft · EMSN = End Mount Network Sensor · IMSCTWPR = Internal Microwave Sensor · PC = Photocell SF = Single Fuse · DF = Double Fuse · SP = Surge Protection · VH = V-Hooks · SSGR = Stainless Steel Gripple (pair, 10 ft) · CMBWB = Ceiling Mount Bracket (pair) · AS-RAL = AeroShield™ Custom Color (specify RAL)

NEMA 4X

IP65

IP66

IP67

PSI-1500

RoHS



Made in Canton, Texas · BAA & BABA compliant. Scan to see our Texas manufacturing facility. See page 2 for LED engine construction and domestic-content documentation, page 3 for photometrics.

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WHY IT LASTS

WHY IT LASTS

Engineered & Built in Canton, Texas

TRUSTED BY NASA. AVAILABLE TO YOU.

A vaportight lives in the worst places in the plant — washdown, steam, cold storage, dust and heat. Most fixtures are built to a price. Ours are built to a life. Every LED board in this Splash Zone™ fixture is fabricated on our own SMT line in Texas, the same engine construction we supply to NASA Kennedy Space Center, where 25,000+ EnviroLux fixtures have run in Florida heat and salt air since 2017.

- **Almost 3x the diodes, underdriven.** We populate nearly three times the diode count of a typical import fixture and drive each LED at a fraction of its rated current. Cooler junctions, slower lumen depreciation, longer life.
- **Aluminum metal-core PCB.** Aluminum-core boards with a heavy 2 oz copper inlay pull heat out of the diodes and spread it across the whole board. The industry-standard board is fiberglass FR-4 — which holds heat in.
- **Higher-bin diodes.** LED engines are binned at 1-3 step MacAdam for color consistency and efficacy. The vast majority of LED product sold in the U.S. is 7-9 step.
- **Fiberglass composite, not cheap resin or rusting steel.** Many competing vaportights are molded from low-cost resin that cracks and cracks; the metal ones rust. Our fiberglass body cannot corrode. Optional AeroShield™ coating in any RAL color.
- **Drivers rated for heat.** High-temperature capacitors and 6 kV integral surge protection — the components that fail first in a hot fixture are the ones we over-specify.
- **Made in USA.** Boards, assembly, coating and final test in Texas. BAA and BABA compliant for federal, state and municipal projects.

SPLASH ZONE™ — BUILT FOR FOOD & INDUSTRIAL ENVIRONMENTS

NSF	Component certified for food processing areas
Washdown	NEMA 4X, IP67, PSI-1500 pressure-wash rated
Glare control	Patented frosted lens, no LED hot-spot images
Fast install	Stainless latches and hardware, no housing penetrations

AVAILABLE OPTIONS

EMB	Emergency battery backup; CTWPMB cold-temp weatherproof self-diagnostic version — self-tests per NFPA 101, nobody else in the market has it
TLP	Twist lock plug — specify voltage and NEMA designation
Lens	Clear or frosted, polycarbonate or acrylic
Sensors	End-mount, internal microwave or networked, photocell, 0-10V dimming standard



DOMESTIC CONTENT FOR MUNICIPAL, STATE & FEDERAL PROJECTS

This Splash Zone™ luminaire is manufactured by EnviroLux Energy Systems in Canton, Texas and is **Buy American Act (BAA) compliant** for federal procurement and **Build America, Buy America (BABA) compliant** for federally funded infrastructure — water and wastewater plants, transit, airports, ports and public works. Circuit boards are fabricated on our own SMT line, and every fixture is assembled and tested here before it ships.

Domestic-content certification letters, proof-of-binning data, IES photometric files and ETL listing documentation are available on request for your submittal package. Call **(800) 914-8779** or visit **www.envirolux.com**.

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PHOTOMETRICS

PHOTOMETRIC PERFORMANCE 5000K · 80 CRI

LED WATTS	DRIVE CURRENT (MA)	INPUT WATTS	OPTICS	SPACING CRITERIA	LUMENS	LPW
LED 150W	1540	150	Wide (100°)	1.16	27,135	201

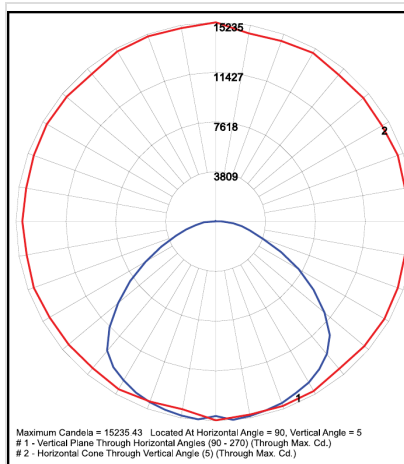
LUMEN MAINTENANCE IESNA TM-21-11 · DATA SHOWN FOR 5000K

TM-21-11	INPUT WATTS	INITIAL	25,000 HRS	50,000 HRS	COMPARE TO MH (LLF)	CALCULATED LED LIFE
L70 @ 25°C / 77°F		1.00	0.89	0.79	0.90	275,000 hrs
L70 @ 50°C / 122°F	All wattages up to and including 200W	1.00	0.86	0.72	0.88	200,000 hrs
L80 @ 40°C / 104°F		1.00	0.87	0.74	0.86	225,000 hrs

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

2. "Compare to MH" indicates the suggested Light Loss Factor (LLF) to be used when comparing to metal halide (MH) systems.

PHOTOMETRIC DATA WIDE 100° DISTRIBUTION



Maximum candela ≈ 16,200 (scaled from the reference distribution shown) located at horizontal angle 90°, vertical angle 5°.

Curve 1 (blue): vertical plane through horizontal angles 90°-270°, through maximum candela. **Curve 2 (red):** horizontal cone through vertical angle 5°, through maximum candela.

Spacing criteria of 1.16 supports wide fixture spacing at mounting heights to 80 ft while holding uniformity on the floor. The frosted diffuser delivers this distribution without visible LED hot spots.

IES files for all wattages and CCTs are available on request for AGi32 / Visual layouts.

LATCHES & MOUNTING CAPTIVE, TAMPER-RESISTANT



12 captive latches per unit ensure positive lens retention and will not fly off during maintenance.

Optional 316 stainless steel latches for durability and chemical resistance in washdown and corrosive environments.

Easily made tamper resistant — #6 screw, 3/8" minimum, 1/2" maximum.

EES-VH316 316 stainless steel ceiling mount attaches directly to the ceiling; **EES-BC** snap-on 316 stainless beam clamp.



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