ENVIROLUX

ENERGY SYSTEMS · CANTON, TEXAS

Large Stealth · AMBER 600 nm

EES-LED-LFL-ST-UNV-180W-600NM-AMBER · 180 W

L70 290,000 h TM-21 · 25°C ambient

Large Stealth AMBER 600 nm Area & Flood Light

180 W · 23,080 LM · 600 NM

PROJECT NAME _____ **FIXTURE TYPE** _____

COMPLETE CATALOG # _____ **DATE** _____

A long-wavelength **600 nm amber** area and flood light for sites where white light is restricted: coastal and sea-turtle lighting ordinances, wildlife corridors and dark-sky-sensitive campuses. The 180 W Large Stealth replaces 400–750 W metal halide and HPS at 25–40 ft with a narrow amber spectrum that is nearly invisible to hatchlings and many insects yet renders roads, parking and walkways clearly to the human eye. Six mounting options, one die-cast housing.

HOUSING

Die-cast aluminum housing and front frame with integral heat sinking and a separate driver compartment. Photocell adaptable. Nickel-plated stainless steel hardware. **IP67 sealed LED compartment.**

FINISH

EnviroLux **AeroShield™** coating system — two-part epoxy base, polysiloxane topcoat, spray-applied in Texas over a chromate conversion coating; ASTM B117 salt-fog tested. Architectural bronze standard; any RAL color.

LENS & OPTICS

Tempered clear flat glass lens standard; tempered prismatic flat glass optional. Full-cutoff forward-throw area distribution. Optional glare shield (GL).

LISTINGS & RATINGS

ETL Listed to ANSI/UL 1598, wet location; IP67. −40°C to +50°C. **7-year warranty.** BAA / BABA. Dark sky compliant — full cutoff, 0% uplight (U0).

LED ENGINE

600 nm amber high-bin diodes on an **aluminum metal-core PCB** with 2 oz copper inlay, built on our own SMT line in Canton, Texas. Underdriven for life; silicone-free, humidity-proof board construction.

WATTAGE & OUTPUT

180 W system · **23,080 lumens** (600 nm amber). Replaces 400–750 W MH / HPS. Factory-programmed; 150 / 180 / 250 / 293 W share one housing.

DRIVER

Programmable constant-current driver(s), **120–277 V** 50/60 Hz (347–480 V on request). 0–10 V dimming 100–10%. **6 kV surge protection** standard; 10 kV / 20 kV optional (SP). Single or double fusing.

MOUNTING

Stealth arm (STA), adjustable slipfitter (SSF), 2⅜″ arm adapter (ALMAA), yoke (LSTY), two-piece swivel bracket (SSB) or easy-hang wall bracket (KHEH), factory installed. EPA 1.0 ft² · 33 lb with arm.



Dimensions	
Length (L)	22 in (559 mm)
Width (D)	15¾ in (400 mm)
Height (A)	4 in (102 mm)
Weight / EPA	33 lb · 1.0 ft²

SENSORS & CONTROLS AVAILABLE

Photocell (R3 / R7 twist-lock receptacle or button) · **Motion sensors** — IR M1 (20–35 ft), M2 (≤18 ft) · **0–10 V dimming** · **EnviroLux wireless mesh** (up to 500 fixtures per network) · **Self-diagnostic emergency battery backup** — self-tests per NFPA 101, no push-button testing. No other fixture in the market offers it.

ORDERING INFORMATION — example: EES-LED-LFL-ST-UNV-180W-600NM-AMBER-SSF-R7

MODEL	WATTAGE	DRIVER	COLOR	LENS	MOUNTING	OPTIONS
EES-LED-LFL-ST Large Stealth, die-cast	**150W** = 19,240 lm **180W** = 23,080 lm **250W** = 32,060 lm **293W** = 37,580 lm	**UNV** = 120–277 V **480V** = 347–480 V 0–10 V · 6 kV surge	**600NM-AMBER** Bronze std · any RAL	**FG** = Flat glass **PG** = Prismatic **GL** = Glare shield	**STA** = Stealth arm **SSF** = Slipfitter **ALMAA** = 2⅜″ arm adapter **LSTY** = Yoke **SSB** = Swivel bracket **KHEH** = Wall bracket **NM** = No mount	**SF / DF** = Single / double fuse **SP** = Added surge protection **M1 / M2** = IR motion sensor **R3 / R7** = 3- / 7-pin twist-lock receptacle **EW** = Wireless mesh node **EMB** = Self-Diagnostic Battery Backup

MADE IN USA

BUY AMERICA(N) ACT COMPLIANT

BUILD AMERICA BUY AMERICAN COMPLIANT MADE IN TEXAS

Engineered & built in Canton, Texas. LED boards fabricated on our own SMT line. Buy American Act and Build America, Buy America compliant.

Scan to see our Texas manufacturing facility.

EnviroLux Energy Systems · 1078 VZ County Road 2406, Canton, Texas 75103 · (800) 914-8779 · www.envirolux.com

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Large Stealth · AMBER 600 nm

Why it lasts | Engineered & Built in Canton, Texas

L70 290,000 h TM-21 · 25°C ambient

WHY IT LASTS

Engineered & Built in Canton, Texas

Most fixtures are built to a price. Ours are built to a life. Every LED board 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 3× the diodes, underdriven.** A typical import flood runs a few high-power diodes hard; we spread 180 W across nearly three times as many high-bin amber diodes at a fraction of their rated current. Cooler junctions, steadier output, 290,000 h L70.
- **Aluminum metal-core PCB** with 2 oz copper inlay pulls heat off the diodes and into the die-cast housing. The industry standard is fiberglass FR-4, which holds heat in.
- **True 600 nm amber.** Narrow-band amber diodes, not white LEDs behind a filter — no blue leakage, no filter fade, and a spectrum that meets long-wavelength wildlife lighting criteria.
- **Die-cast aluminum in AeroShield™** epoxy/polysiloxane — the coating system we developed for launch-pad fixtures at Kennedy Space Center — not powder coat over recycled alloy.
- **Drivers rated for heat.** High-temperature capacitors, 6 kV surge; programmable so one housing covers 150–293 W.
- **Made in USA.** Buy American Act and Build America, Buy America compliant, with documentation for submittals.

MOUNTING OPTIONS — factory installed, bronze AeroShield™ finish, hardware included



STA Stealth Arm
Die-cast arm, mounts directly to square poles.



ALMAA Mounting Arm Adapter
Die-cast adapter for 2⅜″ horizontal mounting arms.



LSTY Large Stealth Yoke
Stamped heavy-duty steel yoke, trunnion mount.



SSF Adjustable Slipfitter
External-mount die-cast slipfitter for 2⅜″ tenons.



SSB Two-Piece Swivel Bracket
Stamped steel adjustable bracket.

EPA & WEIGHT — Large Stealth arm mounting

Configuration	EPA (ft²)	Weight	Configuration	EPA (ft²)	Weight
Single	1.00	33 lb	3 @ 90°	2.20	99 lb
2 @ 180°	2.00	66 lb	3 @ 120°	2.00	99 lb
2 @ 90°	1.36	66 lb	4 @ 90°	2.20	132 lb

MOUNTING ACCESSORIES — order separately, field installed

EES20RPZ	Die-cast adapter, 3–4 in round poles (use with STA arm)
EES20WMZ	Die-cast wall-mount adapter (use with STA arm)
EESPTSB1SZ	Single pole-tenon spoke bracket, 2⅜″ arm
EESPTSB290SZ / 2180SZ	Twin spoke bracket, 90° / 180° arms
EESPTSB390SZ* / 3120SZ*	Triple spoke bracket, 90° / 120° arms
EESPTSB490SZ*	Quad spoke bracket, 90° arms **special order, 3 wk*

ACCESSORIES & REPLACEMENT PARTS — all stocked in Canton

EES-P18140 / 42	Instant twist-lock photocell, 110–120 V / 110–277 V
EES-P18150 / 52	Time-delay twist-lock photocell, 120 V / 277 V
EES-P18131 / 32	Twist-lock open / shorting cap, IP65, 480 V max
EES-ACCHSG1Z	Die-cast accessory housing for sensors or controls
EES25GSZ	Aluminum glare shield, hardware included
EES-STGL / STGLP	Tempered clear flat / prismatic glass lens
EES-AZ · SSFZ · ALMAAZ	Replacement Stealth arm · slipfitter · 2⅜″ arm adapter
EES-STYZ · SSBZ · EHZ	Replacement yoke · swivel bracket · wall bracket

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DOMESTIC CONTENT FOR MUNICIPAL, STATE & FEDERAL PROJECTS

Buy American Act (BAA) compliant for federal procurement and **Build America, Buy America (BABA)** compliant for federally funded infrastructure — coastal roadways, parks, ports and water/wastewater sites. LED boards populated, drivers programmed and fixtures assembled and tested at our plant in Canton, Texas. Domestic-content documentation is available for submittals.

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