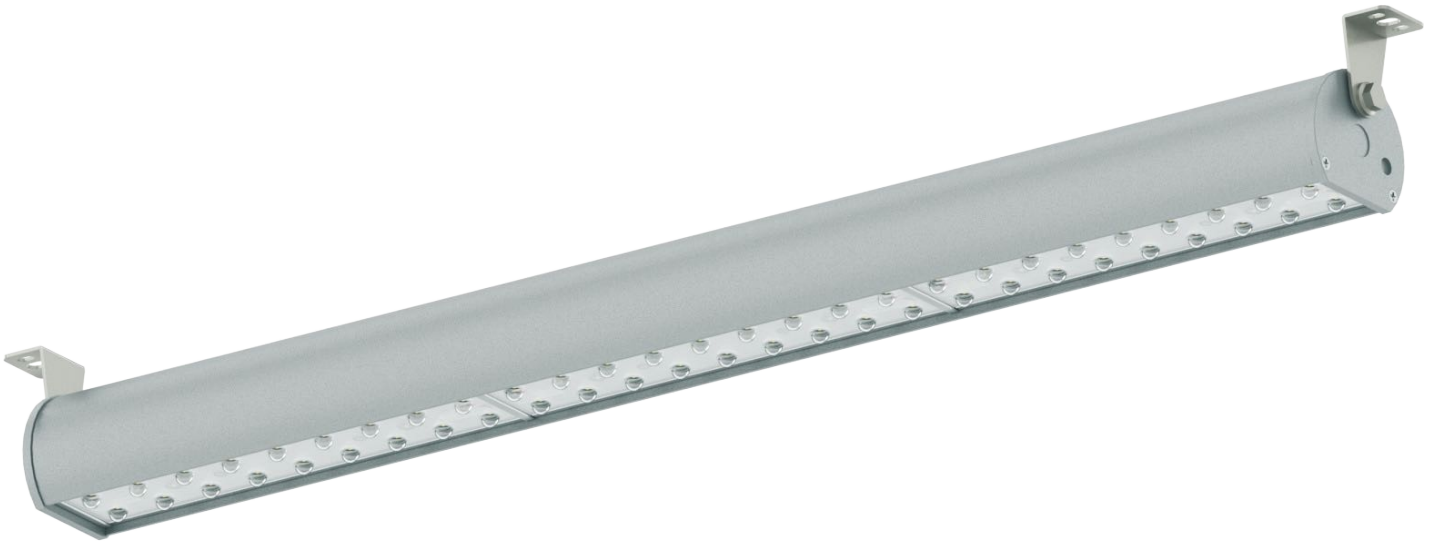


EPTA LED Linear Lights

**200,000 hours
L70 EXTREME-LIFE Rated**

**Up to 180 lm/W
Delivered Efficacy**

**IP66 · IK10
Sealed and Impact-rated**



High-performance linear lighting for task, high-bay, directional, and wildlife-friendly applications. Four wattages on one rugged platform.

Linear Lighting Built to Outlast the Building

Most linear fixtures are sealed throwaways. When one LED board or driver fails, the whole unit goes in the dumpster and the maintenance ladder comes out on a schedule nobody wants. EPTA answers that with a rugged extruded-aluminum platform, an integrated LED array engineered for heat, and a modular design that installs, links, and services without drama.

EPTA is specified for task lighting, high-bay and directional applications, canopies, firing ranges, shops, barns, and wildlife-sensitive sites. One housing covers a 6,000-lumen accent run and a 24,480-lumen high-bay bay with the same mounting hardware and the same spec logic.

200,000

HOURS L70

180

LM/W MAX

24,480

LUMENS MAX

10

YEAR OPTION

Three reasons EPTA wins the spec

- **EXTREME-LIFE.** An exceptional heat-sink design produces an EXTREME-LIFE rating of L70 @ 200,000 hours — years of virtually maintenance-free performance.
- **Flawless light.** Delivered efficacy reaches up to 180 lm/W, with a choice of advanced optics, four white CCTs, and color rendering to $Ra \geq 90$ for premium, anti-glare illumination.
- **One platform, every job.** One housing spans 40 W to 160 W and 6,000 to 24,480 delivered lumens, mounts four ways, links end-to-end, and offers a 590nm amber build for turtle-safe and wildlife-friendly sites.



Four Sizes, One Spec Logic

Every EPTA shares the same 3.23-inch-wide by 2.80-inch-tall extruded-aluminum profile and the same optics, controls, and listings. Only length, wattage, and output change across the family. Figures below are delivered lumens on the T5M optic from the current photometric summary; output varies by optic and CCT.

MODEL (BASE SKU)	SYSTEM WATTS	DELIVERED LUMENS*	EFFICACY	LENGTH	WEIGHT
EPTA 40 · AF88XLEC40L	40 W	6,000 lm	up to 180 lm/W	11.30 in	4.6 lbs
EPTA 80 · AF88XLEC80L	80 W	12,160 lm	up to 180 lm/W	22.05 in	6.2 lbs
EPTA 120 · AF88XLEC120L	120 W	18,240 lm	up to 180 lm/W	32.83 in	7.7 lbs
EPTA 160 · AF88XLEC160L	160 W	24,480 lm	up to 180 lm/W	43.58 in	9.5 lbs

*T5M optic, delivered fixture lumens. "Up to 180 lm/W" is the family maximum from the current photometric summary; T5M delivered efficacy runs approximately 150–153 lm/W. Confirm the exact output for your optic, CCT, and CRI with a lighting specialist.

EPTA 40



11.30 in · 1 module

EPTA 80



22.05 in · 2 modules

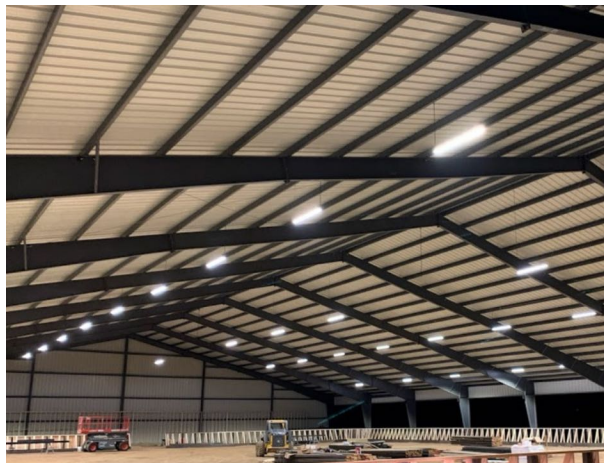
EPTA 120



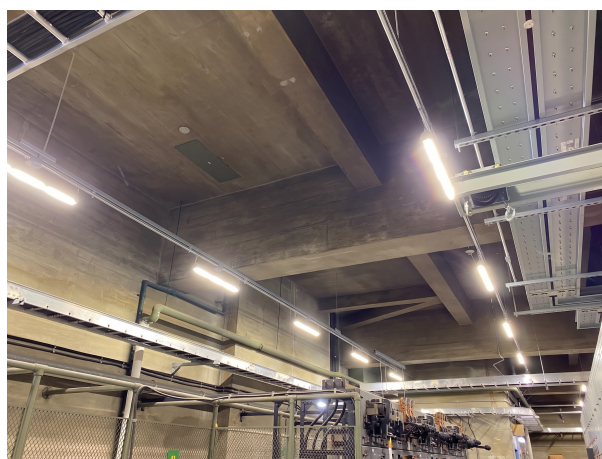
EPTA 160



Fixtures shown to relative scale. EPTA 120 — 32.83 in · 3 modules. EPTA 160 — 43.58 in · 4 modules.



EPTAs in a Competition Riding Arena



EPTAs in a Hydroelectric Power Plant

The Complete Spec

Delivering up to 180 lumens per watt, EPTA produces 6,000 to 24,480 delivered lumens across the family and holds an L70 @ 200,000-hour EXTREME-LIFE rating. Every figure below reflects the current EPTA build.

Product family	EPTA linear LED
Base SKUs	AF88XLEC40L · AF88XLEC80L · AF88XLEC120L · AF88XLEC160L
System watts	40 W – 160 W
Delivered lumens	6,000 – 24,480 lm (T5M optic)
Efficacy	Up to 180 lm/W
Light source	Integrated LED array; 350mA and 700mA drive current available
CCT (white)	2200K, 3000K, 4000K, 5000K
CCT (wildlife)	590nm Amber — turtle-safe / No UV
CRI	Ra≥70 standard; Ra≥80, Ra≥90 optional
Optics	T1S, T5M, T5W, T40D, T60D, T90D
Rated life (white)	L70 @ 200,000 hours (EXTREME-LIFE); L90 @ 60,000 hours
Voltage	100–277VAC or 277–480VAC, 50/60Hz
Power factor	> 0.95 at full load
Total harmonic distortion	< 10% at full load
Surge protection	10 kV
Dimming	0–10V standard; DALI available; non-dimming
Operating temperature	–40°C to +50°C (–40°F to 122°F); high-ambient to 80°C available
Housing	Extruded aluminum, modular
Finish	Corrosion-resistant polyester powder coat, 100 µm; 5,000-hour salt-spray per ASTM B117
Finish colors	Gray (RAL7004), Black (RAL9011); custom RAL and marine grade available
Ingress / impact	IP66 · IK10
Power cord	3 ft cord exits the fixture as manufactured; 6 ft, 12 ft, and 18 ft available
Listings	UL/cUL, CE, CB, ENEC, SAA, QCC, DLC Premium, RoHS
Mounting	Standard surface mount included; suspension, U-bracket, and knuckle (40 W and 60 W only) optional; links end-to-end
Profile	3.23 in W × 2.80 in H
Warranty	5-year standard; 10-year optional

The Right Beam for the Task

EPTA is a directional linear fixture, not a bare strip. The optic you choose controls how light lands on the target — a narrow flood for a high aisle, a Type V square for even area wash, a Type III or IV for perimeter and roadway throw with spill control. Six distributions are standard; a lighting engineer selects the optic from your photometric study.

Standard distributions

OPTIC	DISTRIBUTION	TYPICAL USE
T1S	Type I Short	Narrow paths, aisles, walkways
T5M	Type V Square Medium	Even area and task wash
T5W	Type V Square Wide	Wide-area open wash
T40D	40° Flood	Focused high-bay and directional throw
T60D	60° Flood	General high-bay coverage
T90D	90° Flood	Broad, close-mount coverage

Additional distributions — Type III Short and Medium, Type IV Very Short, Short, and Medium, and 10°/20° floods, each with spill-control variants — are available on the photometric distribution set. Optics are named by type and degree, never "narrow" or "wide" alone.

Spill control and back-light shield

For residential-adjacent, dark-sky-sensitive, or property-line installations, EPTA adds a back-light shield and spill-control optics that hold light on the target and off the neighbor. Rotate the optics left or right at 90° to bias the distribution toward the street side or the house side.



Spill-controlled linear optics under a highway structure — light on the deck and roadway, not on the sky.

Four Ways to Mount an EPTA

Every EPTA ships with the standard surface mount. Suspension, U-bracket, and knuckle mounts are ordered options — specify the mount with the fixture so it arrives ready to hang.



Standard Surface Mount

ALL WATTAGES · INCLUDED

Slotted end brackets bolt the fixture tight to ceiling, deck, canopy, wall, or purlin and tilt to aim it. This is the mount that ships with every EPTA.



Suspension Mount

ALL WATTAGES · OPTION

Aircraft cable and hanger drop the fixture from deck or truss to working height — the choice for high-bay, warehouse, and shop runs.



U-Bracket Mount

ALL WATTAGES · OPTION

A formed U-bracket that cradles the housing and holds the aim after it is set. Ordered as an option — it is not the standard mount.



Knuckle Mount (G1/2)

40 W AND 60 W ONLY

A threaded G1/2 knuckle for pole, arm, or tenon work where the beam is aimed and locked. Not offered above 60 W.

Continuous runs and retention

- **End-to-end linking.** EPTA links fixture to fixture for continuous runs along an aisle, bench, or canopy edge — one layout, one wiring path.
- **SAC safety cable.** A secondary retention cable is available for overhead and vibration-prone installations.
- **Vibration.** The platform is tested to the 3G bridge and overpass vibration standard (ANSI C136.31), so bridge, overpass, and equipment-mounted work is in scope.

Get the Cord Length Right the First Time

Every EPTA is manufactured with a 3-foot power cord exiting the fixture. When the junction box, plug, or raceway is farther than that, order a longer cord with the fixture — it arrives factory-terminated and sealed, with no field splice and no compromise to the IP66 rating.

CORD LENGTH	AVAILABILITY	WHEN TO SPECIFY IT
3 ft	As manufactured	Junction box within reach of the fixture end
6 ft	Option	Short drops, wall boxes offset from the mount
12 ft	Option	Suspended high-bay runs, cord-and-plug shop use
18 ft	Option	Tall bays, canopies, and structures with distant power

Longer cords are added length on the factory-installed cord — the 3-foot cord is standard on every fixture. Confirm cord length, entry orientation, and termination with a lighting specialist before the order is released.

Controls

0–10V dimming

Standard on every EPTA. DALI and non-dimming builds are available.

Microwave motion sensor

Occupancy-based dimming for aisles, stairwells, and low-traffic bays.

Photocell MINI

Dusk-to-dawn switching for exterior and canopy runs.

Accessories

- **Back-light shield / spill-control optics** — hold light on the target and off the property line.
- **Emergency power supply (EPS)** — integral battery backup for egress and life-safety circuits.
- **SAC safety cable** — secondary retention for overhead installations.
- **High-ambient build** — rated operation to 80°C for foundries, kilns, and boiler rooms.

590nm Amber for Turtle-Safe and Wildlife-Sensitive Sites

Coastal properties, nesting beaches, observatories, and wildlife corridors carry lighting rules that white LEDs cannot meet. EPTA is built with a 590nm amber LED spectrum — emitting no light below 450nm — for sea-turtle nesting zones, wildlife-sensitive sites, and dark-sky-sensitive areas. The amber build keeps the same rugged EPTA housing, mounting, and IP66 / IK10 ratings as the white-light family.

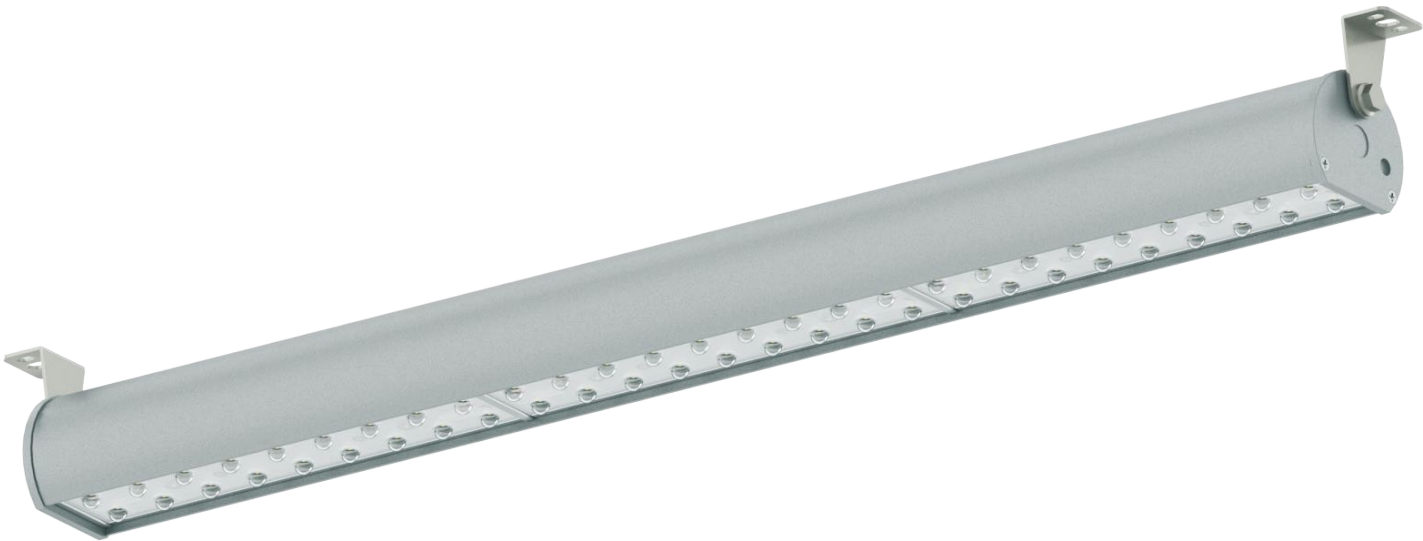
Amber performs on a different curve than white

Amber emitters are far less efficacious than white by physics, so the white-light figures do not carry over. The 590nm amber build is rated at an efficacy of up to 38 lm/W — a conservative floor drawn from EVERFINE HAAS-1200 measurement of the No UV amber spectrum. Plan amber projects on the amber numbers, never the white-light 180 lm/W.

MODEL	SYSTEM WATTS	AMBER EFFICACY BASIS	PROJECTED DELIVERED LUMENS*
EPTA 40	40 W	up to 38 lm/W	1,520 lm
EPTA 80	80 W	up to 38 lm/W	3,040 lm
EPTA 120	120 W	up to 38 lm/W	4,560 lm
EPTA 160	160 W	up to 38 lm/W	6,080 lm

*Projected from the 38 lm/W conservative basis (system watts × 38), pending an EPTA-specific 590nm photometric test. These are planning figures, not measured EPTA output — confirm with a lighting engineer before a project is committed. The amber / No UV build carries a long-life rating, distinct from the white-light 200,000-hour EXTREME-LIFE figure.

EPTA is also available as a broader-spectrum No UV fixture — no light below 450nm — for print, coatings, cleanroom, and cannabis environments where UV must be excluded without going full amber.



How to Configure an EPTA

Every EPTA carries an AF88X prefix. Start with the wattage base SKU, then configure the options below with a lighting specialist. Order online or call 800-468-9925.

Base SKUs

WATTAGE	BASE SKU	DELIVERED LUMENS (T5M)
40 W	AF88XLEC40L	6,000 lm
80 W	AF88XLEC80L	12,160 lm
120 W	AF88XLEC120L	18,240 lm
160 W	AF88XLEC160L	24,480 lm

Configurable options

Kelvin (white)	2200K · 3000K · 4000K · 5000K
Spectrum (wildlife)	590nm Amber (turtle-safe) · No UV
CRI	Ra70 (std) · Ra80 · Ra90
Optic	T1S · T5M · T5W · T40D · T60D · T90D
Voltage	120–277V (std) · 347–480V
Dimming	0–10V (std) · DALI · non-dimming
Finish color	Gray · Black · custom RAL · marine grade
Mounting	Standard surface (included) · suspension · U-bracket · knuckle (40 W and 60 W only)
Power cord	3 ft (as manufactured) · 6 ft · 12 ft · 18 ft
Controls	Microwave motion sensor · Photocell MINI
Add-ons	Back-light shield / spill control · emergency power supply · SAC safety cable
Warranty	5-year standard · 10-year optional

Except for dimming, configuration options require prior confirmation with a lighting specialist. Not every configuration is on the DLC Qualified Products List — confirm qualification at www.designlights.org before a rebate is filed.

Start With a Photometric Study

Before a single fixture ships, a photometric study shows exactly what EPTA will deliver on your surface — average and minimum footcandles, uniformity, spacing, and light-trespass control. A lighting specialist walks you through the report so you know what you are buying before you buy it.

New construction

Share your area dimensions, mounting height, and target footcandles. A lighting engineer models the layout, selects the optic, and sizes the run — so the light lands where the work happens.

Retrofit

Name the legacy fixture and wattage you are replacing. EPTA drops onto surface, suspension, or existing mounting points, links end-to-end, and cuts connected load while raising delivered light.



Ready to specify EPTA?

Request your photometric study.

800-468-9925

Sales@AccessFixtures.com

www.AccessFixtures.com