AccessFixtures
Commercial and Sports Lighting for Less

# No UV — No Light Under 450nm LED Luminaires

## Clean-Room and Production-Facility Lighting



FLAT



FLYT



EPTA



UPTA

Gold filter tubes degrade. UV breaks through. Production runs fail. Access Fixtures' No UV luminaires eliminate the problem using dedicated LEDs that emit no light under 450nm, with no filter to break down.

**800-468-9925** **Sales@accessfixtures.com** **www.accessfixtures.com**

# Gold Filter Tubes Cost You Production

In clean rooms and production facilities that handle photosensitive materials, UV exposure is a direct cause of product degradation and failed runs. For decades the answer was the gold filter tube. It solved one problem and introduced three.

**Degrade**
FILTERS BREAK DOWN; UV BREAKS THROUGH

**Flicker**
EYE STRAIN ON PRECISION WORK

**Downtime**
REPLACEMENT ADDS COST

Filter degradation lets UV pass over time, sometimes ruining an entire batch. The narrow gold spectrum reduces visibility and color rendering. Flickering disrupts comfort and precision. Filter replacement adds maintenance cost and downtime. The failure is built into the technology.

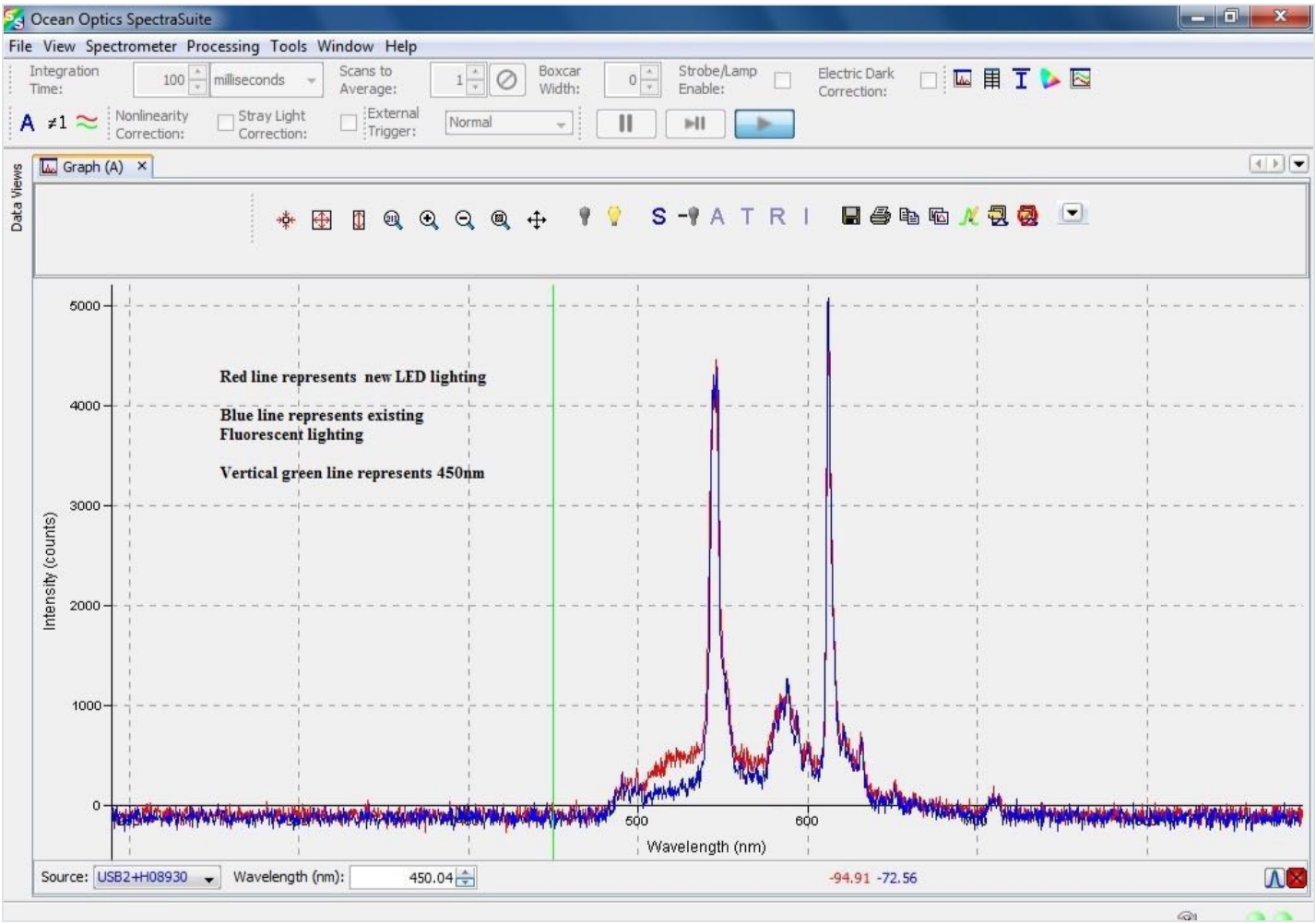


UPTAs equipped with 590nm Amber and Green LEDs are mounted on the ceiling. The old fluorescent lighting with gold tube covers is still illuminated. Shortly after it was decommissioned. The fluorescent light was unable to meet OSHA lighting requirements.

# Eliminated at the Source, Not Filtered

Access Fixtures No UV luminaires use dedicated LEDs that emit no light under 450nm. There is no filter to degrade, so the output remains consistent from day one and lasts the life of the fixture.

- **UV-free from day one** — dedicated LED emission below 450nm, with no coating or filter that can crack, flake, or break down over time.
- **Flicker-free operation** — steady illumination that supports precision work and high-speed photography.
- **A broader spectrum than gold filter tubes** — four spectrum options, from a gold-equivalent amber to a three-color mix.




Independent measurement recorded emission from 480 to 710 nm — no output below 450nm. Every spectrum shown emits no UV.

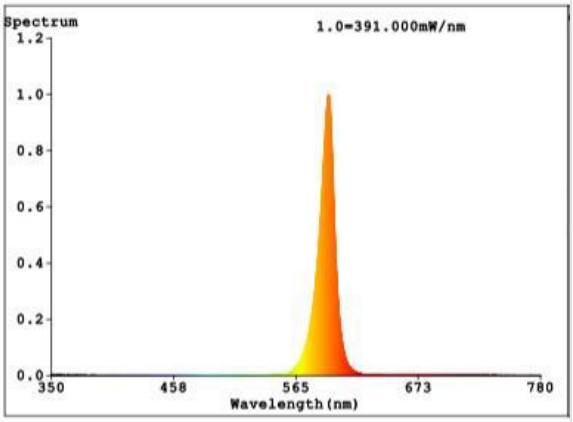
Access Fixtures' No UV luminaires match the spectrum of No UV gold tube fluorescent lamps, as shown in the spectrum test results above, or offer a broader spectrum light. Whether you match the light spectrum or choose a broader spectrum, Access Fixtures' dedicated LEDs do not change the spectral output, protecting your production runs or research from being compromised by gold tube failures.

# Select the Spectrum for the Work

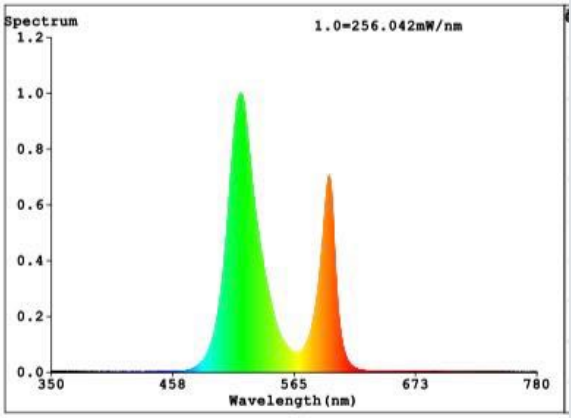
Four spectra are available across the family. One matches the output of a traditional gold tube; three widen the spectrum for a more natural work environment. Each is broader than a gold filter tube — none is a high-color-rendering source.

| SPECTRUM | WHAT IT IS FOR | MEASURED RA | EFFICACY AT 200,000 H* |
|---|---|---|---|
| 590nm Amber | Matches gold-tube output | 11–13 | 28 lm/W |
| Amber + Green | Broader spectrum | 19–23 | 31 lm/W |
| Amber + Red | Highest output at 200,000 h | 41–42 | 36 lm/W |
| Amber + Green + Red | Broadest of the four spectra | 44–49 | 32 lm/W |

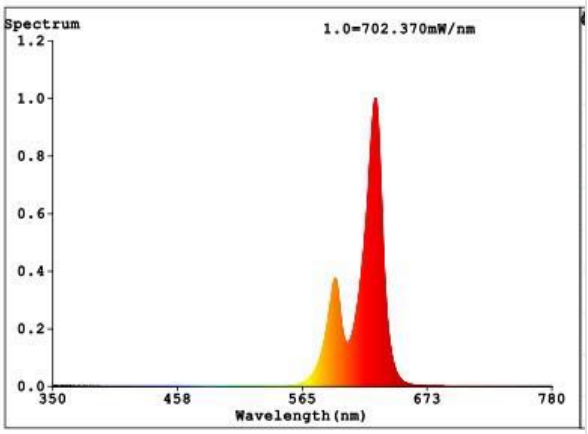
Note — *Efficacy is the LEDture production-partner figure at the L70 @ 200,000-hour rating (FLAT / FLYT panel; EPTA and UPTA run higher — see page 6). Measured color rendering runs Ra 11 to 49 across the family — well below a high-CRI white source, by design: these spectra carry no blue. Frame the benefit as a broader spectrum than gold tubes, never as high color rendering.



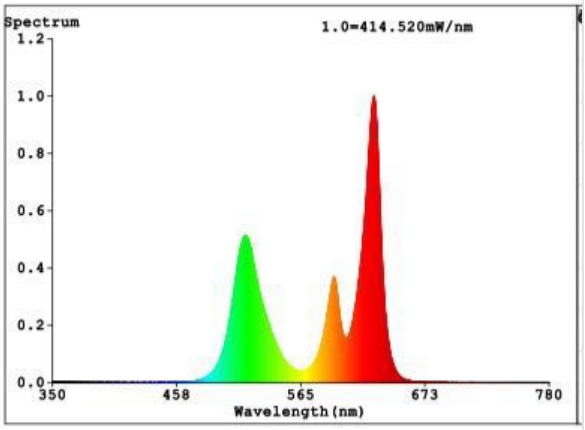

590nm Amber




590nm & Green




590nm Amber & Red




590 Amber, Green, and Red

# FLAT/FLYT - Delivered Fixture Lumens by Spectrum

The figures below are delivered fixture lumens for the FLAT / FLYT panel at L70 @ 200,000 hours. They are delivered output — not LED array output. Delivered lumens are system watts × the certified lumens per watt for that spectrum.

**FLAT / FLYT — Delivered lumens with L70 @ 200,000 hours rating**

| SPECTRUM | CERTIFIED LM/W | 120 W CLASS | 160 W CLASS |
|---|---|---|---|
| 590nm Amber | 28 | 3,360 lm | 4,480 lm |
| Amber + Green | 31 | 3,720 lm | 4,960 lm |
| Amber + Red | 36 | 4,320 lm | 5,760 lm |
| Amber + Green + Red | 32 | 3,840 lm | 5,120 lm |

Note — Amber + Red is the highest-output spectrum at this rating. The three-color figure is the equal-chip average of the three certified columns. Earlier EVERFINE HAAS-1200 bench figures (for example 10,946 lm at 160 W, Amber + Green, clear glass) were measured at a higher drive current; they are held as historical bench data and are superseded for the shipping product, which is driven for 200,000-hour life. Lens choice — clear glass, clear polycarbonate, frosted polycarbonate — affects delivered output; lens-specific figures at this drive are pending re-test and are not quoted here. Catalog "light source lumens" (18,600 / 23,200) are LED array output, not delivered light, and are not used.



FLAT comes with a mounting plate for grid ceilings



FLYT is meant for surface mounting

# EPTA and UPTA - EXTREME-LIFE and Lumens/Watt

EPTA (linear) and UPTA (high bay) carry the same four No UV spectra, and their lumens-per-watt figures are L70 @ 200,000-hour rating. LM/W are above the FLAT / FLYT luminaires because the EPTA and UPTA optics are more efficient. Delivered lumens are system watts × the value in the figure below.

| SPECTRUM | CERTIFIED LM/W | DELIVERED LUMENS | EXAMPLE — 160 W |
|---|---|---|---|
| 590nm Amber | 48 | system watts × 48 | 7,680 lm |
| Amber + Green | 53 | system watts × 53 | 8,480 lm |
| Amber + Red | 63 | system watts × 63 | 10,080 lm |
| Amber + Green + Red | 55 | system watts × 55 | 8,800 lm |

Note — Figures are for the 160 W example (AF88XLEC160L for EPTA, AF88XPAC160L for UPTA) and apply across each family's wattage range; confirm the range with a lighting specialist for a specific model. The three-color figure is the equal-chip average.



EPTA is a linear No UV luminaire



UPTA is a high bay No UV luminaire

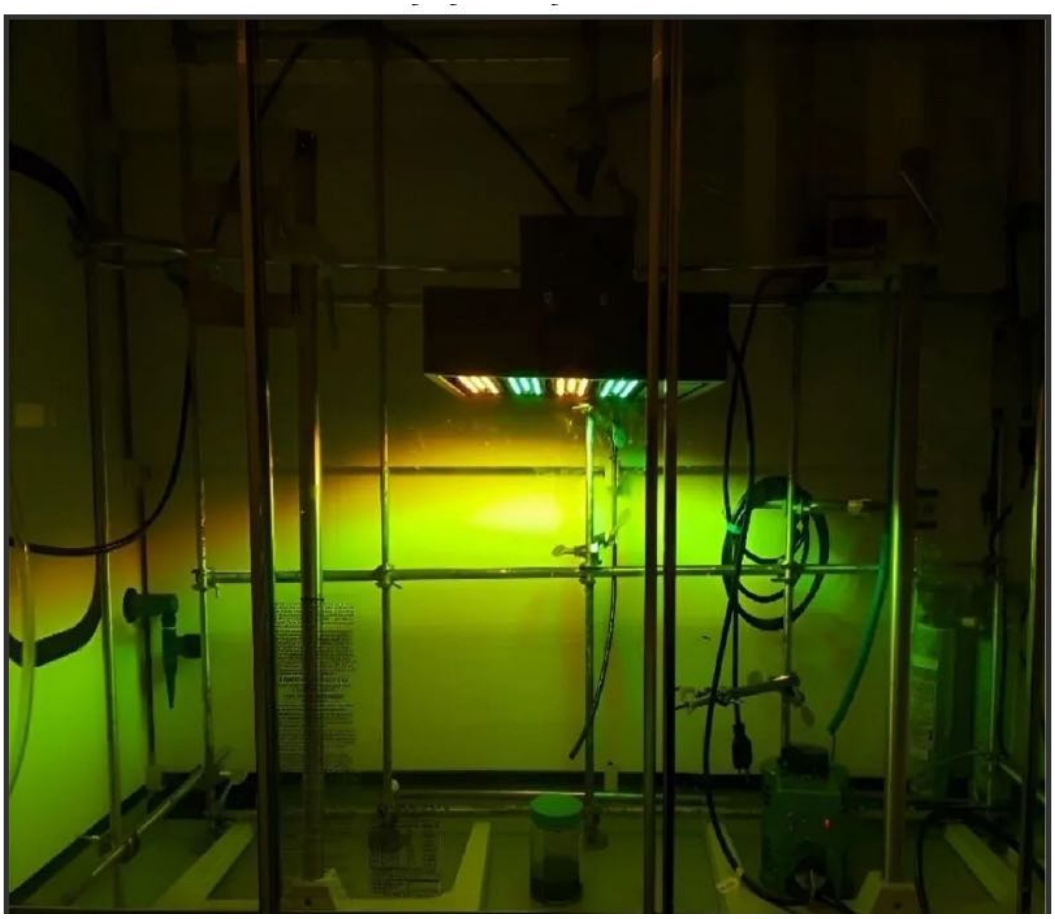
Independent Lab Test

# Tested in a Fortune 500 R&D Lab

A Fortune 500 R&D lab installed an Access Fixtures No UV luminaire (Amber + Green) in a fume hood and placed a UV-sensitive solution beneath it. The drive was set to register 98 fc — well above the 40–70 fc typical of a production facility. The solution was inspected daily for gel formation over a twelve-day study.

| 98 fc | 12 days | 480–710 nm |
| --- | --- | --- |
| TEST LEVEL, ABOVE 40–70 FC TARGET | 4/25–5/7/2018 · NO GEL | MEASURED EMISSION — NO UV |

The sample showed no gel formation and no change in appearance across the study. The measured emission ran from 480 to 710 nm, confirming no output below 450nm. At the 40–70 fc production target, the study concluded no impact on production.



*"The modular LED fixture will be ideal for our application. Having a truly off-the-shelf option on these lights is a huge plus for us — not to mention the tighter wavelength patterns and no risk of lens failure."*

**Jaime — Engineering Technician, Johnson & Johnson Vision**

# FLAT and FLYT — Troffer and Surface Mount

FLAT and FLYT put the No UV panel into standard ceilings. FLAT drops into heavy-duty commercial grid; FLYT surface- or flush-mounts where there is no grid. Both cut the required footprint by up to 50% for confined ceilings and share the certified photometrics on page 5.

| | |
|---|---|
| **Type** | FLAT — 2'×2' grid troffer · FLYT — surface / flush-mount panel |
| **Wattage** | 120 W and 160 W classes |
| **Delivered lumens** | Up to 4,320 lm (120 W) and 5,760 lm (160 W), Amber + Red — see page 5 |
| **Spectra** | 590nm Amber · Amber + Green · Amber + Red · Amber + Green + Red |
| **Rated life** | **L70 @ 200,000 hours — EXTREME-LIFE** |
| **Ingress / impact** | IP67 · IK08 (FLAT), IK08–IK10 (FLYT) |
| **Corrosion** | 1000-hour salt spray, ASTM B117 / ISO 9227:2012 |
| **Optics** | Clear glass · clear polycarbonate · frosted polycarbonate |
| **Voltage** | 120V · 277V · 347V · 480V |
| **Listings** | UL / cUL · DLC · ENEC · CB · CE · ErP · RoHS · FCC |
| **Mounting** | Heavy-duty commercial ceiling grid (FLAT) · flush / surface (FLYT) |
| **Warranty** | 5-year limited (optional 10-year) |
| **SKUs** | AF88XCML120E-NoUV, AF88XCML160E-NoUV (FLAT) · AF88XCML120D-NoUV, AF88XCML160D-NoUV (FLYT) — each titled EXTREME-LIFE |

# EPTA — Linear No UV Luminaires

| | |
|---|---|
| **Type** | Linear high-output No UV fixture |
| **Wattage** | 40 W · 80 W · 120 W · 160 W |
| **Certified efficacy** | Amber 48 · Amber+Green 53 · Amber+Red 63 · three-color 55 lm/W (page 6) |
| **Delivered lumens** | System watts × lm/W — up to 10,080 lm at 160 W, Amber + Red |
| **Spectra** | 590nm Amber · Amber + Green · Amber + Red · Amber + Green + Red |
| **Rated life** | **L70 @ 200,000 hours — EXTREME-LIFE** |
| **Ingress / impact** | IP66 · IK08 |
| **Corrosion** | 1000-hour salt spray, ASTM B117 / ISO 9227:2012 |
| **Housing / finish** | Extruded aluminum · black or gray |
| **Voltage** | 120V · 208V · 240V · 277V · 347V · 480V |
| **Listings** | CB · CE · cUL · DLC · SAA · RoHS · IK08 |
| **Mounting** | Knuckle · surface · suspension |
| **Warranty** | 5-year limited |
| **SKUs** | AF88XLEC40L-NOUV · 80L · 120L · 160L-NOUV — each titled EXTREME-LIFE |






U-Bracket Mount






# UPTA No UV EXTREME-LIFE High Bay, Canopy, and Bracket Mount Luminaires

| | |
|---|---|
| **Type** | High-bay, Canopy, and Bracket Mount No UV luminaires |
| **Wattage** | 40 W through 960 W |
| **Certified efficacy** | Amber 48 · Amber+Green 53 · Amber+Red 63 · three-color 55 lm/W |
| **Delivered lumens** | System watts × the efficacy above |
| **Spectra** | 590nm Amber · Amber + Green · Amber + Red · Amber + Green + Red |
| **Rated life** | **L70 @ 200,000 hours — EXTREME-LIFE** |
| **Ingress / impact** | IP66 · IK10 |
| **Housing / finish** | High-grade aluminum · black or gray |
| **Optics** | Type I · Type V · spill-light control |
| **Voltage** | 120V · 208V · 240V · 277V · 347V · 480V |
| **Listings** | CB · CE · cUL · DLC · ETL · SAA · IK10 · IP66 |
| **Mounting** | D Type · H Type · U Type |
| **Warranty** | 5-year limited |



D Mount
Canopy Style



H Mount
Adjustable Wire



U Mount
Bracket

# The No UV Family, Side by Side

| | FLAT | FLYT | EPTA | UPTA |
|---|---|---|---|---|
| **Type** | Grid troffer | Surface / flush | Linear | High bay/Bracket |
| **Wattage** | 120 · 160 | 120 · 160 | 40–160 | 40–960 |
| **Ingress** | IP67 | IP67 | IP66 | IP66 |
| **Impact** | IK08 | IK08–IK10 | IK08 | IK10 |
| **Rated life** | L70@200,000 h | L70@200,000 h | L70@200,000 h | L70@200,000 h |
| **Peak lm/W** | 36 | 36 | 63 | 63 |
| **Warranty** | 5 yr | 5 yr | 5 yr | 5 yr |
| **Spectra** | 4 | 4 | 4 | 4 |
| **Voltage** | 120–480V | 120–480V | 120–480V | 120–480V |

Note — Rated life is L70 @ 200,000 hours across the family — EXTREME-LIFE. Peak lm/W is the Amber + Red spectrum. All four spectra emit no light under 450nm.

Every fixture ships with a UV-free spectrum locked in at manufacture, a mercury-free build, and 0-10V dimming. The result is consistent production integrity and a lower total cost of ownership than a filtered gold-tube system.

## Specify the Right No UV Fixture for Your Facility

Call an Access Fixtures lighting specialist at 800-468-9925 to confirm the right fixture and light level for your clean room or production facility, and to request a photometric study for your space.

**Call**
SPEAK WITH A LIGHTING SPECIALIST

**Study**
REQUEST A PHOTOMETRIC STUDY

**Spec**
MATCH THE FIXTURE TO YOUR CEILING

Gold filter tubes degrade, UV breaks through, and production runs fail. Access Fixtures No UV luminaires end that at the source, hold their output for the life of the fixture, and come in the form factor your ceiling needs — troffer, surface mount, linear, or high bay.

AccessFixtures
Commercial and Sports Lighting for Less

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