



EAX2

LED Area Luminaire



| |
|----------------|
| Catalog Number |
| Notes |
| Type |

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

- EPA (ft²@0°):** 0.70 ft² (0.07 m²)
- Length:** 31.79" (80.7 cm) (SRA mount)
- Width:** 13.9" (35.3 cm)
- Height:** 3.2" (8.2 cm) Main Body
7.3" (18.5 cm) Arm
- Weight:** 17 lbs (7.7 kg) (SRA mount)

Introduction

The EAX family provides the best combination of switchable technology including adjustable lumens, switchable CCT color temperature and exclusive four-optic SwitchOptics™ providing Type II, III, IV and V distribution patterns; all from a single luminaire. This vast feature-set allows maximum flexibility while managing the lowest possible SKU counts on the shelf or in-field on area lighting projects.

The EAX2 delivers 18,000 to 30,000 lumens. It is a great choice for lighting new sites or retrofit of existing HID area luminaires while providing long service life and fast payback. Choice of six different modular mountings offer a variety of labor savings features including "no-drill" mounting arms that fit the majority of existing pole drillings.

EAX2 Stock Luminaires with Mount Included

| Catalog | Lumens (set on max) | Watts (set on max) | CCT (set on 40K) | Optics (set on T3) | Voltage | Mounting Type | Finish | CI Code | UPC | Pallet Qty |
|------------------------------------|---------------------|--------------------|------------------|--------------------|----------|--------------------|-------------|---------|----------------|------------|
| EAX2 ALO SWW2 SO UVOLT UPM PER DDB | 18,000 - 30,000 | 114 - 210 | 30K/40K/50K | T2, T3, T4, T5 | 120-347V | UPM ships included | Dark Bronze | *292P7G | 00198934597946 | 24 |
| EAX2 ALO SWW2 SO UVOLT IS PER DDB | 18,000 - 30,000 | 114 - 210 | 30K/40K/50K | T2, T3, T4, T5 | 120-347V | IS ships included | Dark Bronze | *292P7E | 00198934597908 | 24 |

EAX2 Stock Luminaires Less Mount L/M (order mount separately, see mounting accessories)

| Catalog | Lumens (set on max) | Watts (set on max) | CCT (set on 40K) | Optics (set on T3) | Voltage | Mounting Type | Finish | CI Code | UPC | Pallet Qty |
|--------------------------------|---------------------|--------------------|------------------|--------------------|----------|------------------------|-------------|---------|----------------|------------|
| EAX2 ALO SWW2 SO UVOLT L/M DDB | 18,000 - 30,000 | 114 - 210 | 30K/40K/50K | T2, T3, T4, T5 | 120-347V | order mount separately | Dark Bronze | *292P70 | 00198934597809 | 24 |
| EAX2 ALO SWW2 SO UVOLT L/M BL | 18,000 - 30,000 | 114 - 210 | 30K/40K/50K | T2, T3, T4, T5 | 120-347V | order mount separately | Black | *292P76 | 00198934597809 | 24 |
| EAX2 ALO SWW2 SO UVOLT L/M WH | 18,000 - 30,000 | 114 - 210 | 30K/40K/50K | T2, T3, T4, T5 | 120-347V | order mount separately | White | *292P79 | 00198934597878 | 24 |

Notes: 1) PER NEMA photocell receptacle + shunting cap is standard on units shipped with mount included. 2) Units with L/M do not include mount in carton. Order mount on separate line (see accessories). 3) Acuity TLS twist-to-lock type sensor receptacle is standard on all luminaires. 4) Black (BL) and white (WH) finish only available on L/M type luminaires, held only at select distribution centers (check availability).

EAX Mounting Accessories (select one when ordering L/M luminaire - ships on separate line, match finish)

| Catalog | Description | Finish | CI Code | UPC | Pallet Qty |
|-----------------|--|-------------|---------|----------------|------------|
| EAX UPM DDB M6 | Universal tilt arm square/round & pole top tenon mount | Dark Bronze | *292P92 | 00198934598424 | 240 |
| EAX SRA DDB M6 | Standard square and round pole arm | Dark Bronze | *292P95 | 00198934598431 | 240 |
| EAX IS DDB M6 | Adjustable slipfitter | Dark Bronze | *292P9E | 00198934598530 | 360 |
| EAX ASRP DDB M6 | Adjustable tilt square and round pole arm | Dark Bronze | *292P9G | 00198934598547 | 270 |
| EAX WBA DDB M6 | Wall bracket adapter | Dark Bronze | *292P9H | 00198934598554 | 270 |
| EAX YK DDB M6 | Adjustable yoke | Dark Bronze | *292P9J | 00198934598561 | 300 |

| | | | | | |
|----------------|--|-------|---------|----------------|-----|
| EAX UPM BL M6 | Universal tilt arm square/round & pole top tenon mount | Black | *292P9M | 00198934598639 | 240 |
| EAX SRA BL M6 | Standard square and round pole arm | Black | *292P9U | 00198934598653 | 240 |
| EAX IS BL M6 | Adjustable slipfitter | Black | *292P9V | 00198934598677 | 360 |
| EAX ASRP BL M6 | Adjustable tilt square and round pole arm | Black | *292PA5 | 00198934598752 | 270 |
| EAX WBA BL M6 | Wall bracket adapter | Black | *292PA7 | 00198934598783 | 270 |
| EAX YK BL M6 | Adjustable yoke | Black | *292PA9 | 00198934598806 | 300 |

| | | | | | |
|----------------|--|-------|---------|----------------|-----|
| EAX UPM WH M6 | Universal tilt arm square/round & pole top tenon mount | White | *292PAC | 00198934598820 | 240 |
| EAX SRA WH M6 | Standard square and round pole arm | White | *292PAF | 00198934598851 | 240 |
| EAX IS WH M6 | Adjustable slipfitter | White | *292PAJ | 00198934598868 | 360 |
| EAX ASRP WH M6 | Adjustable tilt square and round pole arm | White | *292PAK | 00198934598882 | 270 |
| EAX WBA WH M6 | Wall bracket adapter | White | *292PAN | 00198934598899 | 270 |
| EAX YK WH M6 | Adjustable yoke | White | *292PAR | 00198934598943 | 300 |

Notes: 1) Mounting accessory required when ordering L/M type luminaires (available in master pack of 6, ships on separate line, match finish). 2) Mounting accessories include all necessary hardware to attach to and install luminaire. 3) Black (BL) and white (WH) finish only available on L/M type luminaires, held only at select distribution centers (check availability).



Ordering Information Configurable

EXAMPLE: EAX2 ALO SWW2 SO XVOLT SRA PER DDB

| EAX2 | | | | | |
|--------|---|---|--|--|---|
| Series | Package | Color Temperature | Distribution (Optics) | Voltage | Mounting |
| EAX2 | ALO¹ 30,000 lumens (default setting) P4 27,000 lumens P3 24,000 lumens P2 21,000 lumens P1 18,000 lumens (nominal lumens by setting) | SWW2¹ 4000K (default setting) 30K 3000K 50K 5000K | SO¹ Switchable optics (default setting I3-Type III) T2 Type II T4 Type IV T5 Type V | UVOLT² 120-347V XVOLT³ 277-480V | SRA Square/round pole standard arm (fits 3.5" min SQ and 3" min dia. RND poles) IS Adjustable slipfitter (fits 2 3/8" OD tenon) ASRP Adjustable tilt square/round arm (fits 3.5" min SQ and 3" min dia. RND poles) Choose (1) mounting (PER and mount ships included) (dark bronze only) ⁶ L/M⁷ Less mount Order mount separately (PER not included) (available in dark bronze, black and white) |

| Options | Other Configured Options | Finish |
|---|---|--|
| PER^{6,9,10} 3-wire twist-lock photocell receptacle (included as standard when chosen with one of these mounting options UPM, IS, SRA, ASRP) | PER^{7,9,10,11,12,13} 7-wire twist-lock photocell receptacle DMG^{12,13} 0-10V dimming cord SPD10KV 10KV surge protection PIRH^{13,16} TLS ODP occupancy dimming/photocell provides ambient dusk-to-dawn and motion sensor dimming (100/30%) for 15'-40' mounting heights. NLTAIR2 PIRH^{13,16} Embedded wireless controls Light AIR gen 2, PIR motion and on/off photocell for 15'-40' mounting heights (ships installed) PE12¹⁴ Twist-lock Photocontrol 120-277V (ships included) PE3¹⁴ Twist-lock Photocontrol 347V (ships included) PE4¹⁴ Twist-lock Photocontrol 480V (ships included) | DDB Dark Bronze BL⁸ Black (Available with L/M configurations only) WH⁸ White (Available with L/M configurations only) |

Accessories

Ordered and shipped separately.

| | | |
|---------|--------------------|---|
| *292PAW | EAX2HSEGSBL M6 | EAX2 House side and external glare shield kit, black finish |
| *220XM7 | DLL127F 1.5 CUL JU | Photocell -SSL twist-lock (120-277V) |
| *219NHA | DLL347F 1.5 CUL JU | Photocell -SSL twist-lock (347V) |
| *219NHE | DLL480F 1.5 CUL JU | Photocell -SSL twist-lock (480V) |
| *232TL4 | DSHORT SBK U | Shorting cap |
| *251FY6 | AS3-5 490 DDBXD | Pole top tenon adapter 2 3/8" tenon 4 @ 90 |
| *2948GT | TLS ODP BK | Twist-to-lock sensor, outdoor, black |
| *2948GS | TLS ODP WH | Twist-to-lock sensor, outdoor white |
| *289T19 | IWP | Infrared wireless remote |

NOTES

- See default settings under package, color temperature and optics. Other settings can be adjusted via switch in the field.
- UVOLT driver operates on any line voltage from 120-347V (50/60 Hz).
- XVOLT driver operates on any line voltage from 277-480V (50/60 Hz).
- YK and WBA mount can be purchased as accessories or combined on same order with (L/M) less mount luminaires.
- Acuity twist-to-lock type sensor receptacle is standard on all luminaires.
- PER + shorting cap standard on luminaires with mounting included in same shipping carton (available in dark bronze finish only). Not available with L/M, use PER7.
- Units with L/M do not include mounting with luminaire. Order mount as separate line item (see accessories).
- Black (BL) and white (WH) finish only available on L/M type luminaires. Held only at select distribution centers.
- Luminaires with option PER and PER7 do not include control as standard, order option (PE12, PE3, or PE4) included in carton or as accessory as separate line item (see other options).
- For units with option PER and PER7, the luminaire must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010. If aiming above 45 degree tilt, use EAX luminaires with configuration L/M.
- PER7 is compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire.
- With option PER7 or DMG, the TLS sensor receptacle wires are disconnected allowing its connection directly to the driver dimming leads.
- Following options are not available/cannot share driver dimming leads in combination: PER7, DMG, PIRH, NLTAIR2.
- Option PE12, PE3 or PE4 photocells require one of option PER or PER7. PE4 requires option XVOLT.
- All EAX luminaires are to be installed and aimed facing downward, for down lighting only.
- Sensor body finish available in black for combination with DDB and BL luminaires. Also available in white for combination with WH luminaires.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

External Shields



House Side / External Glare Shield Kit
 (Note: Shield is reversible, can be used rear and forward facing.
 Single back panel used as (HS) house side shield)



Three Sided External Glare Shield
 (EGSR rear facing)

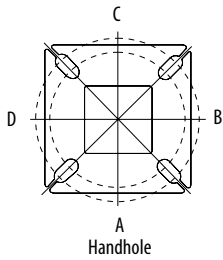


House Side Shield
 (HS)

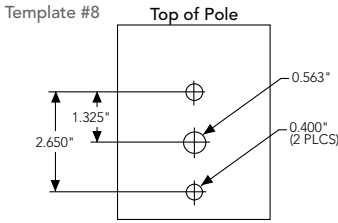
Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

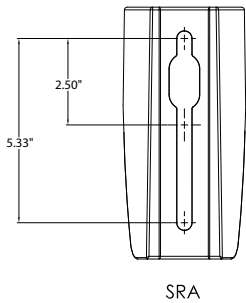
HANDHOLE ORIENTATION



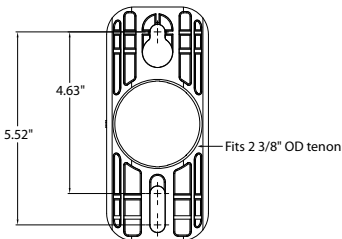
EAX SRA AND ASRP POLE DRILLING



SRA STANDARD ARM AND ASRP ADJUSTABLE ARM (on-center pole drilling range)



UPM Mount / Drilling Dimensions



Round Tenon Mount - Pole Top Slipfitters

| Tenon O.D. | EAX Mounting | Single | 2 at 180° | 2 at 90° | 3 at 120° | 3 at 90° | 4 at 90° |
|------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2 - 3/8" | SRA, ASRP | AS3-5 190 | AS3-5 280 | AS3-5 290 | AS3-5 320 | AS3-5 390 | AS3-5 490 |
| 2 - 7/8" | SRA, ASRP | AST25-190 | AST25-280 | AST25-290 | AST25-320 | AST25-390 | AST25-490 |
| 4" | SRA, ASRP | AST35-190 | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |

Drill/Side Location by Configuration Type

| Drilling Template | Mounting Option | Single | 2 @ 180 | 2 @ 90 | 3 @ 120 | 3 @ 90 | 4 @ 90 |
|--|--------------------|--------|------------|------------|-----------------|---------------|------------------|
| | Head Location | Side B | Side B & D | Side B & C | Round Pole Only | Side B, C & D | Side A, B, C & D |
| #8 drilling (used with SRA or ASRP arms) | Drill Nomenclature | DM19AS | DM28AS | DM29AS | DM32AS | DM39AS | DM49AS |

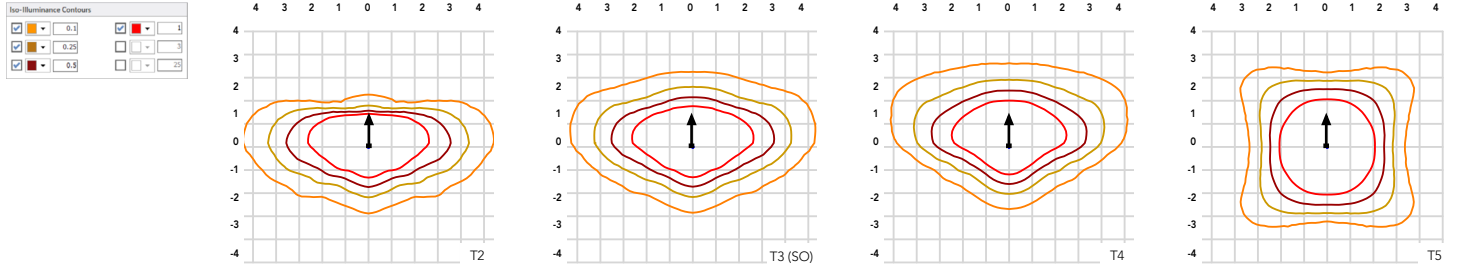
EAX2 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

| Fixture Quantity & Mounting Configuration | Single | 2 @ 90 | 2 @ 180 | 3 @ 90 | 3 @ 120 | 4 @ 90 | 2 Side by Side | 3 Side by Side | 4 Side by Side | |
|---|--------|--------|---------|--------|---------|--------|----------------|----------------|----------------|-------|
| SRA - Square / Round Pole Arm | 0° | 0.70 | 1.24 | 1.41 | 1.89 | 1.68 | 1.56 | 1.07 | 1.58 | 2.07 |
| Covers following mounting types: IS - Adjustable Slipfitter ASRP - Adjustable Square / Round Pole Arm UPM - Universal Tilt Square / Round & Pole Top Tenon Arm | 0° | 0.70 | 1.24 | 1.41 | 1.89 | 1.68 | 1.56 | 1.07 | 1.58 | 2.07 |
| | 10° | 0.87 | 1.74 | 1.74 | 2.23 | 2.21 | 2.57 | 1.67 | 2.61 | 3.52 |
| | 20° | 1.25 | 2.44 | 2.50 | 3.24 | 3.25 | 3.96 | 2.50 | 4.04 | 5.53 |
| | 30° | 1.68 | 3.12 | 3.28 | 4.30 | 4.25 | 5.26 | 3.37 | 5.27 | 6.76 |
| | 40° | 2.10 | 3.72 | 4.02 | 5.31 | 5.16 | 6.40 | 4.19 | 6.29 | 8.39 |
| | 50° | 2.45 | 4.25 | 4.65 | 6.13 | 5.93 | 7.33 | 4.87 | 7.35 | 9.80 |
| | 60° | 2.73 | 4.66 | 5.13 | 6.74 | 6.56 | 7.97 | 5.46 | 8.20 | 10.93 |
| | 70° | 2.94 | 4.95 | 5.44 | 7.15 | 7.05 | 8.26 | 5.87 | 8.81 | 11.76 |
| | 80° | 3.03 | 5.01 | 5.47 | 7.77 | 7.10 | 8.77 | 6.07 | 9.11 | 12.15 |
| | 90° | 3.06 | 5.05 | 5.51 | 8.30 | 7.21 | 9.21 | 6.13 | 9.21 | 12.28 |

Note: EPA for EAX2HSEGS house side/glare shield accessory installed on EAX2 luminaire is 1.18 sq.ft. at 0° tilt.

Isofootcandle plots for the EAX2 ALO SWW2. Distances are in units of mounting height (25').



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within applicable tolerances. Contact factory for performance data on any configurations not shown here.

| Performance Package | System Watts (nominal) | Distribution Type | 30K (3000K, 70 CRI) | | | | | *40K (SWW2) (4000K, 70 CRI) | | | | | 50K (5000K, 70 CRI) | | | | |
|---------------------|------------------------|-------------------|---------------------|---|---|---|-----|-----------------------------|---|---|---|-----|---------------------|---|---|---|-----|
| | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P1 | 114 | T2 | 17,752 | 3 | 0 | 3 | 153 | 18,834 | 3 | 0 | 3 | 164 | 18,072 | 3 | 0 | 3 | 155 |
| | | *SO (T3) | 18,024 | 3 | 0 | 4 | 164 | 19,166 | 3 | 0 | 4 | 175 | 18,556 | 3 | 0 | 4 | 169 |
| | | T4 | 17,350 | 3 | 0 | 4 | 150 | 18,368 | 3 | 0 | 5 | 160 | 17,622 | 3 | 0 | 4 | 151 |
| | | T5 | 17,574 | 4 | 0 | 3 | 153 | 18,665 | 4 | 0 | 3 | 164 | 17,910 | 4 | 0 | 3 | 155 |
| P2 | 133 | T2 | 20,238 | 3 | 0 | 3 | 149 | 21,744 | 4 | 0 | 4 | 161 | 20,539 | 3 | 0 | 3 | 150 |
| | | *SO (T3) | 20,646 | 3 | 0 | 4 | 162 | 22,246 | 3 | 0 | 4 | 173 | 21,251 | 3 | 0 | 4 | 167 |
| | | T4 | 19,813 | 3 | 0 | 5 | 146 | 21,239 | 3 | 0 | 5 | 157 | 20,026 | 3 | 0 | 5 | 147 |
| | | T5 | 19,993 | 4 | 0 | 3 | 149 | 21,547 | 4 | 0 | 3 | 161 | 20,314 | 4 | 0 | 3 | 150 |
| P3 | 154 | T2 | 22,774 | 4 | 0 | 4 | 146 | 24,744 | 4 | 0 | 4 | 157 | 23,019 | 4 | 0 | 4 | 146 |
| | | *SO (T3) | 23,296 | 3 | 0 | 4 | 160 | 25,363 | 3 | 0 | 5 | 172 | 23,912 | 3 | 0 | 4 | 164 |
| | | T4 | 22,201 | 3 | 0 | 5 | 142 | 24,104 | 3 | 0 | 5 | 154 | 22,395 | 3 | 0 | 5 | 143 |
| | | T5 | 22,370 | 4 | 0 | 3 | 146 | 24,385 | 4 | 0 | 3 | 157 | 22,688 | 4 | 0 | 3 | 146 |
| P4 | 169 | T2 | 24,076 | 4 | 0 | 4 | 141 | 26,326 | 4 | 0 | 4 | 154 | 24,362 | 4 | 0 | 4 | 142 |
| | | *SO (T3) | 25,728 | 4 | 0 | 4 | 160 | 28,150 | 4 | 0 | 5 | 172 | 26,304 | 4 | 0 | 4 | 164 |
| | | T4 | 24,349 | 3 | 0 | 5 | 141 | 26,570 | 3 | 0 | 5 | 153 | 24,505 | 3 | 0 | 5 | 141 |
| | | T5 | 24,459 | 4 | 0 | 3 | 144 | 26,809 | 4 | 0 | 3 | 156 | 24,407 | 4 | 0 | 3 | 143 |
| *ALO | 210 | T2 | 29,156 | 4 | 0 | 4 | 136 | 32,438 | 4 | 0 | 4 | 149 | 29,328 | 4 | 0 | 4 | 136 |
| | | *SO (T3) | 30,152 | 4 | 0 | 4 | 154 | 33,673 | 4 | 0 | 5 | 167 | 30,826 | 4 | 0 | 4 | 157 |
| | | T4 | 28,232 | 3 | 0 | 5 | 132 | 31,259 | 3 | 0 | 5 | 144 | 28,099 | 3 | 0 | 5 | 131 |
| | | T5 | 28,056 | 4 | 0 | 2 | 134 | 31,406 | 5 | 0 | 3 | 147 | 28,246 | 4 | 0 | 2 | 133 |

* Indicates default setting on luminaire configurations when ordered as ALO SWW2 SO

Performance Data

ALO-Watts/ SWW2 CCT Switching Diagram

Luminaire Default Settings

ALO = Lumens / watts (set on high)
SWW2 = 4000 CCT (set on 40K)



SO SwitchOptics™ 4-Optic Switching

Luminaire Default Settings

SO = T3 (set on Type III)



| SWITCHABLE SETTINGS | EAX2 | |
|---|------------------------|-------|
| | Lumens | Watts |
| *ALO - Max (Adjustable lumen output) | 30,000 | 210 |
| P4 | 27,000 | 169 |
| P3 | 24,000 | 154 |
| P2 | 21,000 | 133 |
| P1 - Min (lowest setting) | 18,000 | 114 |
| SWW2 - Switchable Color Temperature (CCT) | 3000K / *4000K / 5000K | |
| SO - Switchable Optics | T2 / *T3 / T4 / T5 | |

Note: * Indicates default factory setting.
Watts and lumens are nominal values.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from -30°C - 40°C (-22°F - 104°F)

| Ambient Temperature | | Lumen Multiplier |
|---------------------|--------|------------------|
| -30° C | -22° F | 1.05 |
| -20° C | -4° F | 1.03 |
| -10° C | 14° F | 1.02 |
| 0° C | 32° F | 1.01 |
| 10° C | 50° F | 1.01 |
| 20° C | 68° F | 1.00 |
| 25° C | 77° F | 1.00 |
| 30° C | 86° F | 0.99 |
| 40° C | 104° F | 0.98 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11)

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Projected Lumen Maintenance | | | |
|-----------------------------|------------|------------|-------------|
| 0 Hrs | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs |
| 100% | 93% | 87% | 76% |

Electrical Load - UVOLT (120-347V)

| Performance Package | System Watts | Current(A) | | | | |
|---------------------|--------------|------------|------|------|------|------|
| | | 120V | 208V | 240V | 277V | 347V |
| P1 | 114W | 0.9 | 0.54 | 0.46 | 0.4 | 0.34 |
| P2 | 133W | 1.1 | 0.64 | 0.55 | 0.48 | 0.4 |
| P3 | 154W | 1.27 | 0.71 | 0.62 | 0.53 | 0.45 |
| P4 | 169W | 1.44 | 0.82 | 0.7 | 0.60 | 0.49 |
| ALO-Max | 210W | 1.8 | 0.99 | 0.85 | 0.75 | 0.61 |

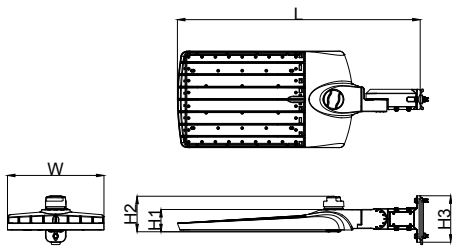
Electrical Load - XVOLT (277 - 480V)

| Performance Package | System Watts | Current(A) | | |
|---------------------|--------------|------------|------|------|
| | | 277V | 347V | 480V |
| P1 | 114W | 0.41 | 0.33 | 0.27 |
| P2 | 133W | 0.48 | 0.39 | 0.3 |
| P3 | 154W | 0.56 | 0.45 | 0.34 |
| P4 | 169W | 0.61 | 0.49 | 0.37 |
| ALO-Max | 210W | 0.77 | 0.61 | 0.45 |

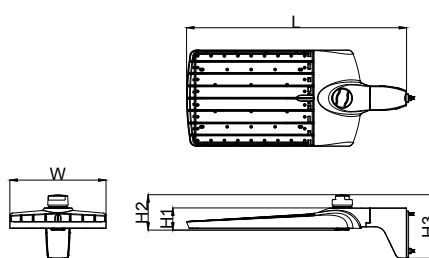
Dimensions and Weights

| EAX1 Luminaire + Mounting Option | Mounting Description | Luminaire Total Weight (lbs) | Image | DIMENSIONS (inches) | | | | |
|----------------------------------|--|------------------------------|---|---------------------|-------|-------------------------|-------------------------------|-------------------------------------|
| | | | | Length | Width | Height (H1) (main body) | Height (H2) (w/ shorting cap) | Max Height (H3) (w/ arm & shrt cap) |
| L/M | Less mount | 14 | N/A | 26.48 | | | N/A | N/A |
| UPM | Universal pole mount arm with tilt, square / round & pole top 2-3/8" tenon mount | 19 |  | 34.97 | 13.90 | 3.21 | 5.12 | 6.69 |
| SRA | Square / round pole standard arm mount | 17 |  | 31.79 | | | | 9.18 |
| IS | Adjustable slipfitter for 2-3/8" OD tenon | 18 |  | 34.49 | | | | 5.12 |
| ASRP | Adjustable arm with tilt for square / round pole | 18 |  | 34.02 | | | | 9.09 |
| WBA | Wall bracket with 3/4" surface conduit hubs | 18 |  | 29.63 | | | | 7.00 |
| YK | Yoke mount | 18 |  | 32.82 | | | | 5.12 |

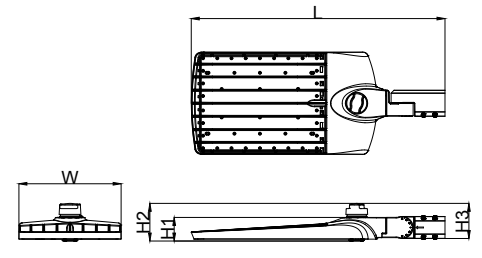
Note: Line drawings for reference, see chart for weight overall dimensions by mounting type.



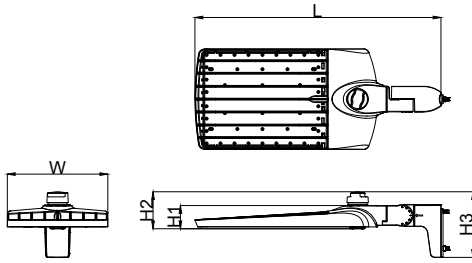
Universal Tilt Round / Square Pole Top Tenon Mount (UPM)



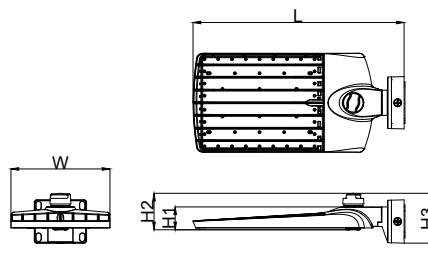
Square / Round Pole Mount (SRA)



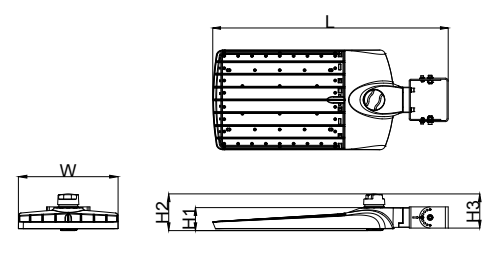
Adjustable Slipfitter (IS)



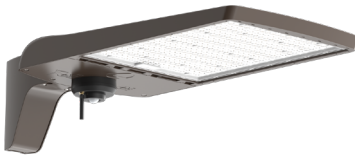
Adjustable Round / Square Mount
(ASRP)



Wall Bracket with Surface Conduit
(WBA)



Yoke Mount
(YK)



EAX2 with option NLTAIR2 PIRH



EAX2 with option PIRH (TLS Sensor)

NLTAIR2 PIRH Default Settings

OUT-OF-THE-BOX SETTINGS

Occupancy Enabled / To Dim State: 7.5 Minutes
 High Trim Occupied Dim Level: 100%
 Low Trim Unoccupied Dim Level: 30%
 Photo Control Enabled / Setpoint: 2.5fc
 Dimming Fade Rate: 5 minutes
 Photocell Transition Time Off: 5 minutes
 Photocell Transition Time On: 45 seconds

*Settings are adjusted using ClarityProTM App

TLS ODP Default Settings

OUT-OF-THE-BOX, FIELD-SETTABLE DEFAULTS:

Occupancy: 10-minutes
 High Trim: 100%
 Photocell setpoint: 3 fc

OUT-OF-THE-BOX, FIXED DEFAULTS:

Low Trim: 30% (static value)
 Fade Down Rate1: 30 seconds
 Photocell Transition2 Time Off : 5 minutes
 Photocell Transition3 Time On: 30 seconds

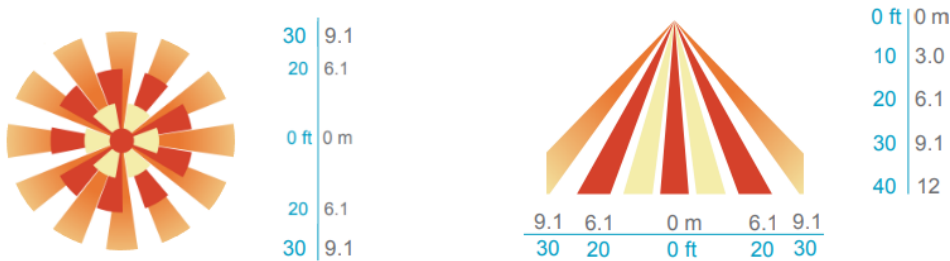
*Field-settable settings can be adjusted using the IWP accessory (infrared wireless remote)



1. Time period from when motion time delay expires to when lights are at low trim level.
2. The time period after the photocell measures a light level above the set-point (+ deadband) that it will turn lights off.
3. The time period after the photocell measures a light level below the set-point that it will turn lights on

*Visit [TLS ODP](#) for more information

Sensor Detection Pattern



- Sensor detection / coverage pattern is based on luminaire at 0° orientation. The sensor is designed to perform effectively across typical tilt angles, though the coverage pattern will adjust with orientation.
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. vehicular) up to 40 ft. (12 m) mounting height
- Tested to NEMA WD 7-2011

FEATURES & SPECIFICATIONS

INTENDED USE

The EAX family offers a site wide solution providing everything needed to light new exterior sites and retrofit existing HID area luminaires using the fewest amount of configurations. EAX features the broadest range of on-board switchable technology to adjust lumens, color temperature and now, uses exclusive SwitchOptics™, providing four-optic switching, including Type II, III, IV and V distributions, all from the same luminaire. This superior flexibility allows for fast and easy installation while helping reduce SKU counts and inventory costs. EAX is a great choice for new and retrofit pole mount

CONSTRUCTION

Die-cast aluminum housing with heat-dissipating fins enhances LED efficacy and component life. Driver is accessible through a hinged die-cast aluminum door for easy maintenance. The light engine and driver compartment is completely sealed against moisture and environmental contaminants and rated IP66. Injection molded one-piece optics are made of high strength polycarbonate and rated IK08. Housing features a unique modular arm mount system allowing easy installation, for fast and simple luminaire change-out through six different mounting types that accommodate the vast needs of existing equipment used throughout area lighting applications.

ELECTRICAL

Light engine consists of high-efcacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L76/100,000 hours at 25°C). The 0-10V dimming, electronic driver has a power factor of >90% and THD <20%. Standard 6KV surge protection included, optional 10KV surge available.

ON-BOARD SWITCHABLE TECHNOLOGY

All luminaires provide this standard set of features providing maximum in-field adjustability to accommodate the vast needs of lighting jobs. All switches are protected yet accessible via exterior on the driver compartment. Adjustable Lumen Output (ALO): Provides 5-step dimming, allowing the contractor to adjust the lumen levels based on application needs. Luminaires ship on the maximum ALO setting and can easily be changed to other positions P4 / P3 / P2 / P1, when less light and/or more energy savings is desired. Switchable Correlated Color Temperature (CCT): Luminaires ship on the SWW2, 4000K setting and can easily be changed to 3000K or 5000K color temperature. SwitchOptics™ 4-Optic Switching. This feature provides the benefit of using a single luminaire to provide four different photometric distributions. Luminaires ship on setting SO = T3 (Type III) distribution, and can easily be changed to other distribution patterns T2, T4 and T5.

CONTROLS

All EAX luminaires include an Acuity TLS twist-to-lock, sensor-ready twist-to-lock receptacle. Option PIRH features a factory installed SensorSwitch™ TLS ODP (occupancy dimming/photocell) sensor with default settings and can be reprogrammed from the ground via wireless remote (IWP). Luminaires can also be configured to ship with nLight AIR™ Networked, Bi-Level motion / ambient sensors. Option (PER) 3-wire twist-lock photocell receptacle with shorting cap is included as standard on stock SKUs with mounting arm included. Type L/M luminaires can be configured with option (PER7) 7-wire twist-lock photocell receptacle with pins 4/5 connected to driver dimming leads and pins 6/7 capped.

INSTALLATION

The EAX2 is light weight and easy to install by a single person. The vast assortment of mountings are easily interchanged using two bolts and do not require one to open the luminaire during installation. EAX features three types of "no-drill" arms that help save labor, time and money by accommodating the largest range of pre-existing pole drillings. Adjustable tilt (UPM / ASRP) and non-tilt (SRA) mounting arms are available and all three can be used on minimum 3" O.D. round and 3.5" minimum square poles. 2-3/8" adjustable slipfitter (IS), and adjustable yoke (YK) are available. A wall bracket (WBA) is available and includes qty (4) 3/4" conduit taps for surface conduit wiring. Some configurations include the mounting shipped in the same carton as the luminaire. Luminaires with less mount (L/M) must use/choose a separate mounting accessory ordered and shipped as a separate line item. All EAX luminaires are to be installed and aimed facing downward, for down lighting only.

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations and NOM certified. Tested in accordance with IESNA LM-79 and LM-80 standards. Operating temperature -40C to 40C. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



COMMERCIAL OUTDOOR

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