

Symphony



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DETAILS

The SYMPHONY is a new take on the traditional “acorn” design and it performs with our Galaxy engine and offers higher wattages and optical performance for the utility market. Available with and without a decorative guard, all versions come with a metallic top to improve dark sky conditions. The globe is available with a ribbed or POND (partially obscuring non-diffusing) finish.

CONSTRUCTION

- Heavy spun aluminum hood with finial and optional decorative guard.
- Sturdy diecast aluminum housing with integrated driver compartment
 - Certified IP66 optical system
- Silicone gaskets and stainless steel hardware
- Mounts onto Ø4” O.D. x 3” long tenon with available 2 7/8” O.D. (R28) and 3” O.D. (R30) fitter adaptors.

LED, LENS & OPTICS

- Type 2, 3, 3m (wide), 4 & 5 Roadway optics available
- Optional House-side shield available to cut back light
 - High power LED available in 3000K & 4000K
- Injection-molded globe is available in clear ribbed PMMA acrylic (VS3AR) or with a diffused finish (VS3AP).
 - all lens & optics are fully UV stable.

FINISH

- Available in 10 standard colors
 - Textured (TX) or smooth (SM) finish
 - Optional RAL colors are also available
- Super durable extremely resistant exterior polyester powder coating meets AAMA 2604 requirements (5 years South Florida exposure)
- For added protection a Marine Grade (MG) pre-finish is available to meet ASTM G7, B117, D1654 and D2247 requirements (salt spray, corrosion and humidity resistance)



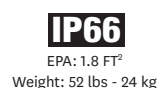
ELECTRICAL

- Dimmable 0-10 volt, high power factor (90%) driver
- 120, 208, 240, 277, 347 OR 480 volts available
- 10 kA Surge protector supplied standard

OPTIONAL

- Programmable driver (PROG)
- 7-Pin ANSI C136.41 receptacle (PTDR) available with shorting cap (PX), photocell (PT) or long-life photocell (PTL)
- Field adjustable 10% increment step-dimming switch (SD)

Contact factory for **WIRELESS CONTROLS** and further details



Galaxy LED ENGINE

The Galaxy Light engine unit is a custom designed, modular system that combines state-of-the-art optics, LEDs and thermal management and is rigorously tested to ensure high performance and long life.



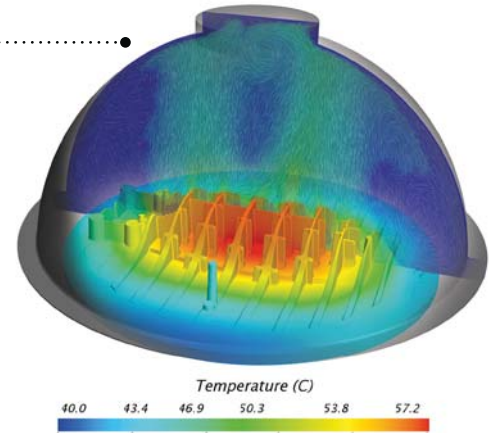
ROBUST DESIGN

- Sealed IP66
- Modular aluminum LED board with acrylic optic
- Die cast aluminum alloy heat sink with thermal interface
- Heat sink designed and tested for optimal thermal management performance in all weather from
- 40C/-40F to 50C/ 122F
- High Power LEDs with thermal and electric protection for stability and protects it from electrical surge.

Computational Fluid Dynamics simulation

PERFORMANCE DRIVEN

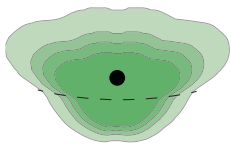
- Modular design allows the GALAXY wattages ranging from 20 to 120W
- Equivalent to 50-250W HID with 60% energy saving
- GALAXY engines are tested & designed for a lifespan of over 100,000 hours
- Tested according to LM79 standard by recognize NVLAP independent laboratories



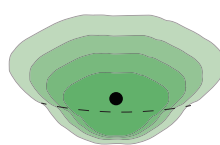
IES Distribution types

Cyclone Lighting offers optically engineered performance systems based on a series of acrylic injection molded lens of IES Roadway distribution types giving you the performance of a cobra head in a sleek decorative fixture.

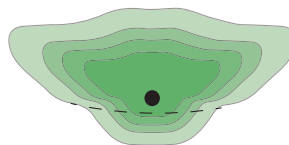
Type 2



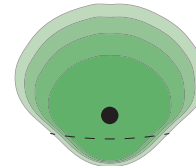
Type 3



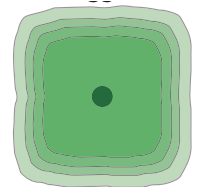
Type 3M



Type 4



Type 5



--- Indicates House Side Shield impact on photometrics



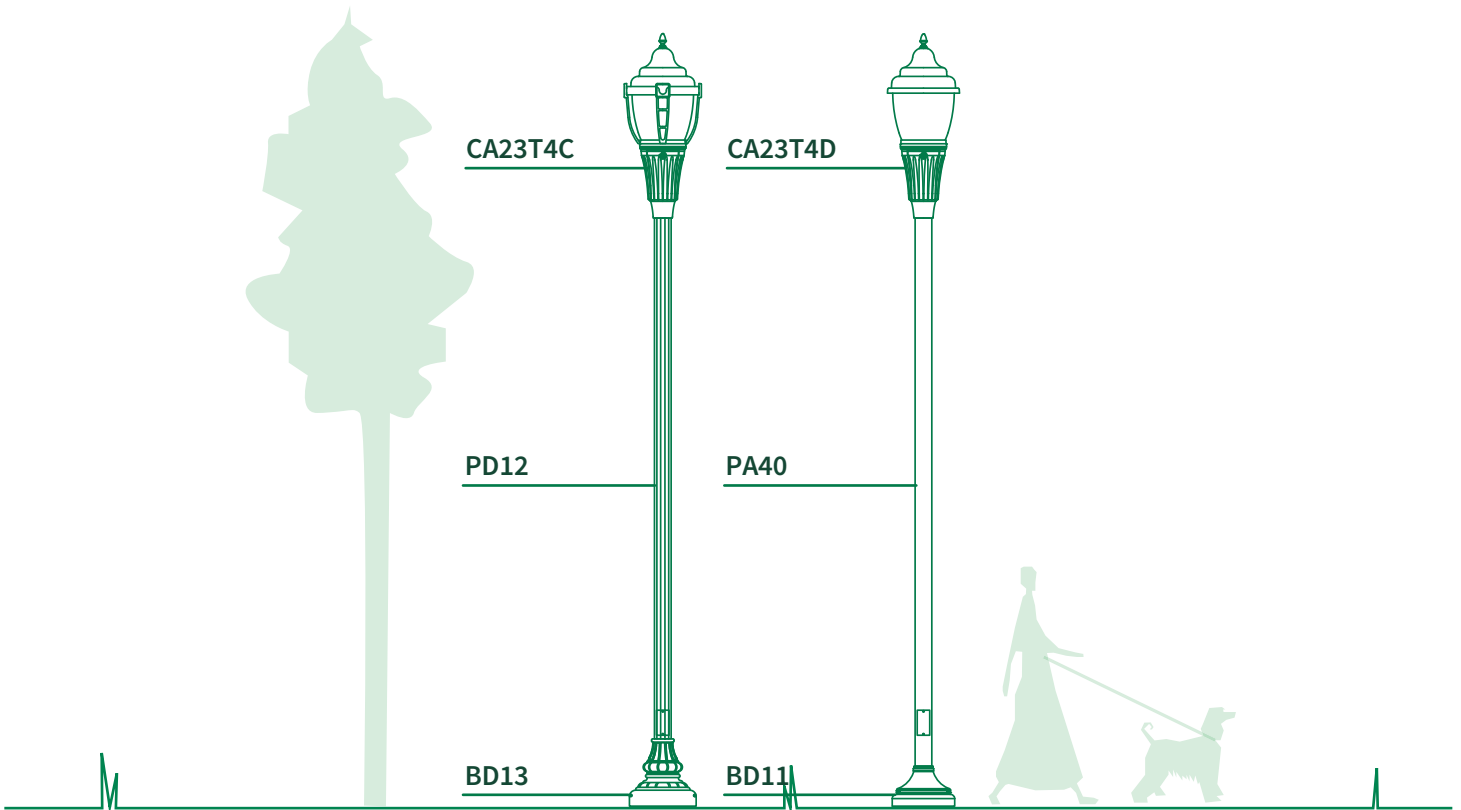
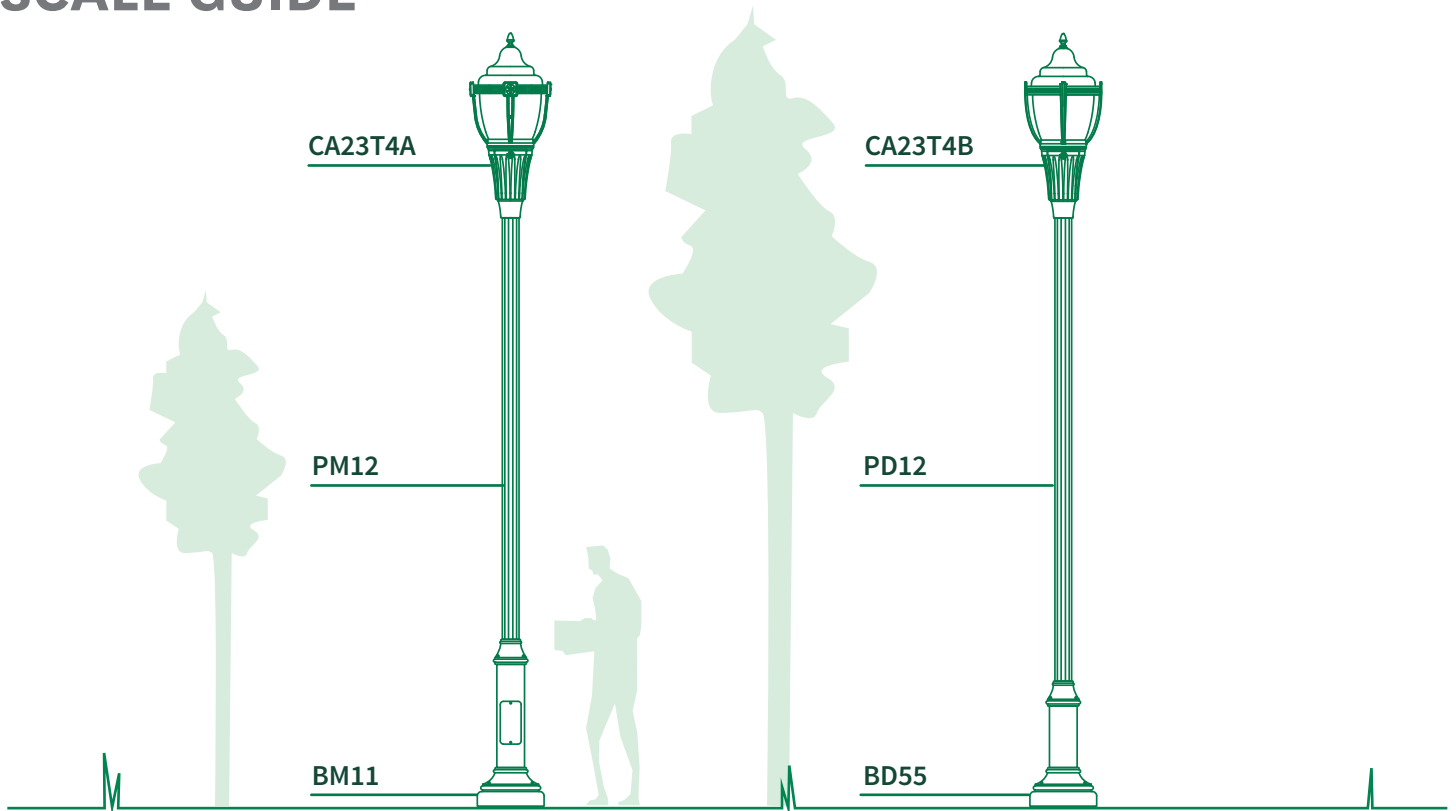
House Side Shield option

The HOUSE SIDE SHIELD (HS) give you a better back control for those LEED projects where light spill or light trespass are critical. This options can be added post installation.

Please consult website for latest IES files

Luminaire

SCALE GUIDE



Symphony

CA23T4A / CA23T4B / CA23T4C / CA23T4D

Ordering Template

| MODEL | LENS | DIST. | WATT | CTT | VOLT | FITTER | OPTIONS | COLOR | TEXTURE | OP.FIN. |
|---------|-------|-------|------|-----|------|--------|-------------------|-----------------|-----------------|---------|
| CA23T4A | VS3AR | 2 | 20W | 3K | 120 | NONE | NONE | BK | TX | MG |
| CA23T4B | VS3AP | 3 | 40W | 4K | 208 | R28 | PT ¹ | MT | SM ² | |
| CA23T4C | | 3M | 60W | | 240 | R30 | PTL ¹ | DG | | |
| CA23T4D | | 4 | 80W | | 277 | | PTDR ¹ | MA | | |
| | | 5 | 100W | | 347 | | PX ¹ | SI ² | | |
| | | 2HS | 120W | | 480 | | PROG | BZ | | |
| | | 3HS | | | | | SD | BG | | |
| | | 3MHS | | | | | | GM | | |
| | | 4HS | | | | | | PG | | |
| | | | | | | | | WH | | |

¹ONLY ONE OF THESE OPTION CAN BE CHOSEN

ORDERING CODE



References

LENS

VS3AR GLOBE ACRYLIC RIBBED
 VS3AP GLOBE ACRYLIC POND

DISTRIBUTION

HS INTERNAL HOUSE SHIELD
 SEE PHOTOMETRIC PAGE FOR DETAILS

CTT

3K 3000K
 4K 4000K

WATT

SEE PHOTOMETRIC PAGE FOR LUMEN OUTPUT

FITTER

NONE FITS 4" O.D. X 3" LONG TENON
 R28 REDUCER 4" O.D. TO 2 7/8" O.D. X 3" LONG TENON
 R30 REDUCER 4" O.D. TO 3" O.D. X 3" LONG TENON

OPTIONS

NONE NONE
 PT PHOTOCELL W/7-PIN RECEPTACLE (ANSI C136.41)
 PTL LONG LIFE PHOTOCELL W/7-PIN RECEPTACLE (ANSI C136.41)
 PTDR* 7-PIN RECEPTACLE (ANSI C136.41)
 PX SHORTING CAP W/7-PIN RECEPTACLE (ANSI C136,41)
 PROG* PROGRAMMABLE DRIVER
 SD FIELD ADJUSTABLE 10% INCREMENT STEP-DIMMING SWITCH

*CONTACT FACTORY FOR WIRELESS APPLICATIONS AND FOR MORE DETAILS

COLOR

BK BLACK RAL9005
 MT METALLIC GRAPHITE TEXTURED ONLY (PROPRIETARY FORMULA)
 DG DARK GREEN RAL6012
 MA MARINE BLUE RAL5013
 SI² METALLIC SILVER RAL9006 (SMOOTH ONLY)
 BZ DARK BRONZE RAL8019
 BG BURGUNDY RAL3005
 GM MOSS GREEN RAL6005
 PG PALE GREY RAL7040
 WH WHITE RAL9003

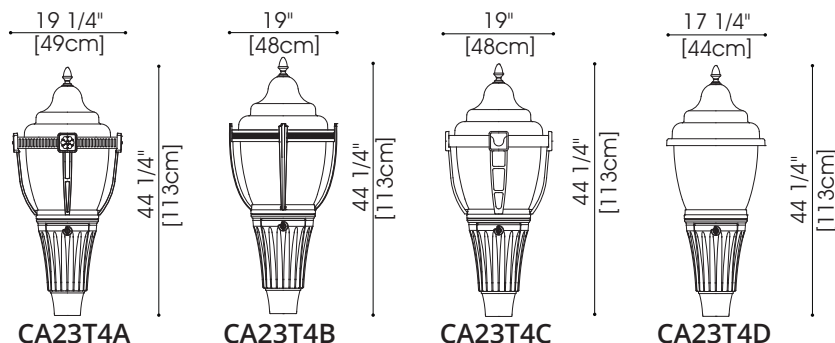
TEXTURE

TX TEXTURED
 SM² SMOOTH (METALLIC SILVER RAL9006 ONLY)

OP.FIN. (OPTIONAL FINISH)

MG MARINE GRADE PRE-FINISH

Luminaire



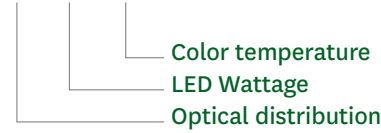
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CA23T4

SOURCE: LED 4000K ± 150K, 70 CRI minimum¹
 WATERPROOF RATING: IP66 optical system
 MAINTENANCE: Tool free utility series fitter
 Data based on luminaire using VS3AR (Globe acrylic ribbed)

LED code definition:

2 - 20W - 4K



Type 2

| LED CODE | LUMEN OUTPUT | EFFICACY (LM/W) | WATTAGE LED | WATTAGE SYSTEM ² | LED CURRENT (mA) | BUG RATING | HID EQUIVALENCY ³ |
|-----------|--------------|-----------------|-------------|-----------------------------|------------------|------------|------------------------------|
| 2-20W-4K | 2308 | 105 | 20 | 22 | 350 | B1-U1-G1 | 50W |
| 2-40W-4K | 4275 | 95 | 40 | 45 | 700 | B1-U2-G1 | 70W |
| 2-60W-4K | 6412 | 96 | 60 | 67 | 700 | B2-U2-G2 | 100W |
| 2-80W-4K | 8549 | 95 | 80 | 90 | 700 | B2-U2-G2 | 150W |
| 2-100W-4K | 10687 | 95 | 100 | 112 | 700 | B3-U2-G3 | 200W |
| 2-120W-4K | 12397 | 92 | 120 | 135 | 700 | B3-U2-G3 | 250W |

Type 3

| LED CODE | LUMEN OUTPUT | EFFICACY (LM/W) | WATTAGE LED | WATTAGE SYSTEM ² | LED CURRENT (mA) | BUG RATING | HID EQUIVALENCY ³ |
|-----------|--------------|-----------------|-------------|-----------------------------|------------------|------------|------------------------------|
| 3-20W-4K | 2353 | 107 | 20 | 22 | 350 | B1-U2-G1 | 50W |
| 3-40W-4K | 4358 | 97 | 40 | 45 | 700 | B1-U2-G1 | 70W |
| 3-60W-4K | 6537 | 98 | 60 | 67 | 700 | B2-U2-G2 | 100W |
| 3-80W-4K | 8716 | 97 | 80 | 90 | 700 | B2-U2-G2 | 150W |
| 3-100W-4K | 10895 | 97 | 100 | 112 | 700 | B3-U3-G3 | 200W |
| 3-120W-4K | 12638 | 94 | 120 | 135 | 700 | B3-U3-G3 | 250W |

Type 3M

| LED CODE | LUMEN OUTPUT | EFFICACY (LM/W) | WATTAGE LED | WATTAGE SYSTEM ² | LED CURRENT (mA) | BUG RATING | HID EQUIVALENCY ³ |
|------------|--------------|-----------------|-------------|-----------------------------|------------------|------------|------------------------------|
| 3M-20W-4K | 2362 | 107 | 20 | 22 | 350 | B1-U2-G2 | 50W |
| 3M-40W-4K | 4374 | 97 | 40 | 45 | 700 | B2-U2-G3 | 70W |
| 3M-60W-4K | 6561 | 98 | 60 | 67 | 700 | B2-U2-G3 | 100W |
| 3M-80W-4K | 8749 | 97 | 80 | 90 | 700 | B3-U2-G3 | 150W |
| 3M-100W-4K | 10936 | 98 | 100 | 112 | 700 | B3-U2-G4 | 200W |
| 3M-120W-4K | 12686 | 94 | 120 | 135 | 700 | B3-U3-G4 | 250W |

¹IES-TM-21 Calculated L70 is over 363 000 hours.

IES-TM-21 Reported more than 54 000 hours.

²System wattage includes the LED and the Driver.

³Equivalency should always be verified by photometric layout.

*4000K used for testing, 3000K photometrics is available on website.

Note: Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Cyclone Lighting. Cyclone Lighting reserves the right to substitute materials or change the manufacturing process of its products without prior notification. See the latest results and updates on our website at www.cyclonelighting.com

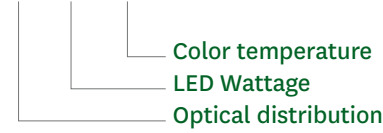
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CA23T4

SOURCE: LED 4000K ± 150K, 70 CRI minimum¹
 WATERPROOF RATING: IP66 optical system
 MAINTENANCE: Tool free utility series fitter
 Data based on luminaire using VS3AR (Globe acrylic ribbed)

LED code definition:

2 - 20W - 4K



Type 4

| LED CODE | LUMEN OUTPUT | EFFICACY (LM/W) | WATTAGE LED | WATTAGE SYSTEM ² | LED CURRENT (mA) | BUG RATING | HID EQUIVALENCY ³ |
|-----------|--------------|-----------------|-------------|-----------------------------|------------------|------------|------------------------------|
| 4-20W-4K | 2263 | 103 | 20 | 22 | 350 | B1-U1-G1 | 50W |
| 4-40W-4K | 4191 | 93 | 40 | 45 | 700 | B1-U2-G1 | 70W |
| 4-60W-4K | 6287 | 94 | 60 | 67 | 700 | B2-U2-G2 | 100W |
| 4-80W-4K | 8382 | 93 | 80 | 90 | 700 | B2-U2-G2 | 150W |
| 4-100W-4K | 10478 | 94 | 100 | 112 | 700 | B3-U2-G3 | 200W |
| 4-120W-4K | 12154 | 90 | 120 | 135 | 700 | B3-U3-G3 | 250W |

Type 5

| LED CODE | LUMEN OUTPUT | EFFICACY (LM/W) | WATTAGE LED | WATTAGE SYSTEM ² | LED CURRENT (mA) | BUG RATING | HID EQUIVALENCY ³ |
|-----------|--------------|-----------------|-------------|-----------------------------|------------------|------------|------------------------------|
| 5-20W-4K | 2520 | 115 | 20 | 22 | 350 | B2-U2-G1 | 50W |
| 5-40W-4K | 4667 | 104 | 40 | 45 | 700 | B3-U2-G2 | 70W |
| 5-60W-4K | 7000 | 104 | 60 | 67 | 700 | B3-U2-G2 | 100W |
| 5-80W-4K | 9334 | 104 | 80 | 90 | 700 | B3-U2-G2 | 150W |
| 5-100W-4K | 11667 | 104 | 100 | 112 | 700 | B4-U2-G3 | 200W |
| 5-120W-4K | 13534 | 100 | 120 | 135 | 700 | B4-U3-G3 | 250W |

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