

VISION3 LIGHTING

LED Staff Light **MODEL PA12** 100-277V 20W Max. LED w/ Integral Driver 21W Max. COB LED

Specifications

Material

Available in machined 6061-T6 aluminum or C36000 brass. All hardware 18-8 stainless steel.

Head

Machined head comes in two styles: Side Mount and Rear Mount. (See illustration for aiming capability of each head style.)

Stem

Machined stems available in lengths of 3", 6", 12", 18", 24", 30", 36", 42" and 48". Maximum allowable stem length depends on mount option (see **Ordering Information**). Soil type and installation manner may limit safe stem length further. To prevent fixture from toppling over, these factors must be taken into account when choosing stem length, mount type, or installation manner (concrete anchoring may be required).

Knuckle

Machined knuckle allows for a full range of aiming positions. Double taper design (U.S. Patent #6,966,679) allows fixture to hold position during aiming and ensures a solid lock when tightened. LED models have a molded silicone wire seal to prevent moisture entry. Available Rotate and Lock option (U.S. Patent #7,108,405 & #7,458,552) allows for full 360° horizontal aiming and locking.

Cap

Machined caps come in seven styles, lock in place with one 18-8 stainless steel set screw, and are sealed to the body with a high temperature silicone O-ring. Regress Lens caps have drain holes for water drainage from top of lens if mounted in the up position. All caps accept up to three internal accessories, held in place by a stainless steel clip.

Finish

TGIC thermo set polyester powder coat paint available in 14 standard colors. On aluminum model, finish is applied over a corrosion resistant, hexavalent chromium free, RoHS compliant coating. Aluminum model available in one additional metal finish: Clear Anodized. Brass model available in three additional metal finishes: Natural, Polished, and Aged.



Lens

1/8" thick, tempered, clear lens, secured to cap with a high temperature, UV curing, silicone adhesive.

LED

Integral Driver LED: 100 to 277 VAC (50/60 Hz) input, 20W max. power (17W@120V, 20W@277V). LED lamp features: integral driver, 1280 lm max output, 75 lm/W max efficacy, field changeable optics (15°, 23°, 35° & 51°), push button selection of light level (100%, 80%, 55% & 18%), 120-277V 0-10V dimming available at three highest (100%, 80%, 55%) light levels, 120V phase dimming at highest (100%) light level (see Dimmer Compatibility List), an L70 of 60,000 hrs., and patented LEDSense® thermal management to ensure reliability and lumen maintenance. Note: thermal management system may cause power input and light output to vary slightly depending on fixture material, orientation, lens accessories, mounting, and ambient temperature.

COB LED: COB LED package uses modular industry standard components to simplify future upgrades and includes features like: performance of 1800 lm, 16W max input (@350mA) or 2400 lm, 21W max input (@500mA), field replaceable optics (12°, 25°, 40° & 60°), and an L70 > 55,000 hrs. Note: requires Vision3 approved 350mA or 500mA constant current driver mount.

Certification

CSA tested & certified to US and Canadian safety standards per UL1598 for wet location use in landscape applications.

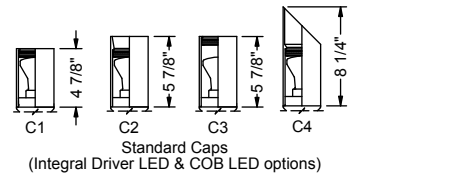
Integral Driver LED:

Integral driver LED available in all configurations.

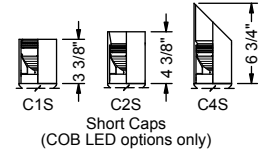
COB LED:

PA12A - 500mA max driver current.
PA12B - 350mA max driver current.

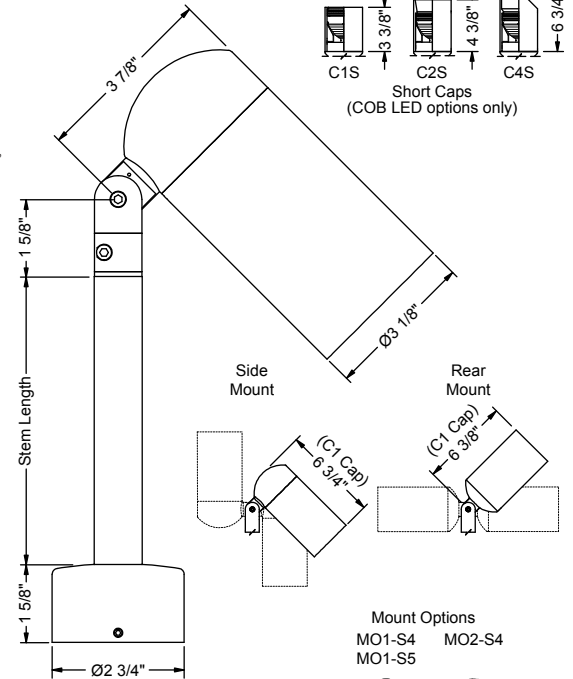
All ratings subject to change without notice. See web site or contact V3 for most current info.



Standard Caps
(Integral Driver LED & COB LED options)

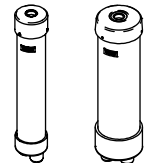


Short Caps
(COB LED options only)



PA12 shown with:
SM head, K2 knuckle, C1 cap,
S1 style, & MO1 mount cap.

Mount Options
MO1-S4 MO2-S4
MO1-S5



Ordering Information

Model PA12A - Aluminum PA12B - Brass		Head SM - Side Mount RM - Rear Mount ¹		Knuckle ² K1 - Standard K2 - Rotate & Lock		Style S1 - Straight		Stem 3 - 3" 30 - 30" 6 - 6" 36 - 36" 12 - 12" 42 - 42" 18 - 18" 48 - 48" 24 - 24"		Light Engine Integral Driver LED ⁵ : 137 - 15°, 3000K, >80 CRI 138 - 23°, 3000K, >80 CRI 139 - 35°, 3000K, >80 CRI 140 - 51°, 3000K, >80 CRI COB LED ⁷ : C01-X-XX-XX <table border="1"> <tr> <th>CRI</th> <th>CCT</th> <th>Optics</th> </tr> <tr> <td>8 - >80</td> <td>27 - 2700K</td> <td>12 - 12°</td> </tr> <tr> <td>9 - >90</td> <td>30 - 3000K</td> <td>25 - 25°</td> </tr> <tr> <td></td> <td>35 - 3500K</td> <td>40 - 40°</td> </tr> <tr> <td></td> <td>40 - 4000K</td> <td>60 - 60°</td> </tr> </table>			CRI	CCT	Optics	8 - >80	27 - 2700K	12 - 12°	9 - >90	30 - 3000K	25 - 25°		35 - 3500K	40 - 40°		40 - 4000K	60 - 60°	Lens Accy 0 - None L1 - Spread L2 - Linear L3 - Softening		Filter 0 - None F1 - Red F2 - Blue F3 - Lt. Blue F4 - Green F5 - Amber F6 - Pink		Louwer 0 - None H1 - Hex	
CRI	CCT	Optics																															
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Finish Powder Coat Finishes: BL - Black BLT - Textured Black BN - Bronze BNT - Textured Bronze BAT - Textured Bark WI - White GRT - Textured Green SI - Silver GY - Grey BE - Beige GNT - Textured Granite SAT - Textured Sand PAT - Textured Patina EAT - Textured Earth Metal Finishes: CLA - Clear Anodized (PA12A only) NAT - Natural (PA12B only) POL - Polished (PA12B only) AGE - Aged (PA12B only)		Cap Style Standard Caps: C1 - Flush C2 - Regress Lens C3 - Regress Lamp C4 - 45° Angled Short Caps ³ : C1S - Flush C2S - Regress Lens C4S - 45° Angled		Mount ⁴ SN - Nipple Only (No Mount) ⁵ Integral Driver LED: MO1-S0 - No Mount (MO1 Cap Only, 36" max. stem) MO1-S4-12 - 12" MO1 Junction Mount (36" max. stem) MO1-S4-18 - 18" MO1 Junction Mount (36" max. stem) MO2-S4-12 - 12" MO2 Junction Mount (48" max. stem) COB LED: MO1-S5-12-20-UNV-350-Z - 12" Junction, 20W, 90-305V, 350mA, 0-10V dimming (36" max. stem) MO1-S5-12-20-UNV-500-Z - 12" Junction, 20W, 90-305V, 500mA, 0-10V dimming (36" max. stem) MO1-S5-12-20-120-500-P - 12" Junction, 20W, 120V, 500mA, phase dimming (36" max. stem) MO1-S5-18-20-UNV-350-Z - 18" Junction, 20W, 90-305V, 350mA, 0-10V dimming (36" max. stem) MO1-S5-18-20-UNV-500-Z - 18" Junction, 20W, 90-305V, 500mA, 0-10V dimming (36" max. stem) MO1-S5-18-20-120-500-P - 18" Junction, 20W, 120V, 500mA, phase dimming (36" max. stem)		Notes: 1. Rear Mount head has limited adjustability and should be used for up lighting only. 2. K1 knuckle is protected under U.S. Patent #6,966,679. K2 knuckle is further protected under U.S. Patent #7,108,405 & #7,458,552. 3. Short cap options only available with COB LED options. 4. See mount spec. sheets for mount details. 5. SN mount option requires that a separate mount be used. 6. Integral Driver LED available in other color temperatures and / or CRI's (contact V3 for info). 7. COB LED must be used with V3 approved constant current driver mount. Note: allowable drive current may be limited by fixture options. See 'Certification' heading above. 8. Specifications, certifications, and ordering information are subject to change. Please check website for latest specification sheets.																											

Example: PA12A - BN - SM - K2 - C2 - S1 - 18 - MO1-S5-18-20-120-500-P - C01-8-30-25 - L1 - 0 - H1