



CORE 6

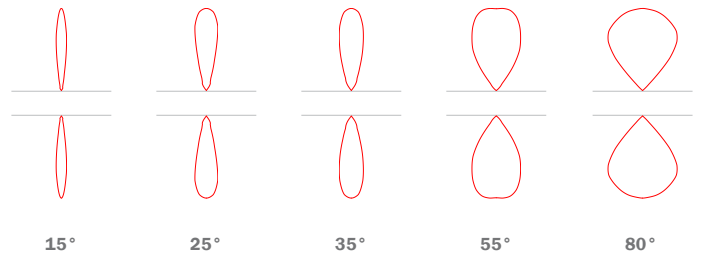
ROUND, CUTOUT, DIRECT/INDIRECT ILLUMINATION



SPECIFICATIONS

| | |
|----------------------------|---|
| PROFILE | Round |
| SIZES | 6" diameter |
| LED OUTPUT | 500lm - 4,000lm |
| CCT/CRI | 2700K/3000K/3500K/4000K • 90CRI or BIOS |
| DIMMING/ DRIVER | Canopy, and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®, PoE (Molex, Igor, NuLEDs). Dimming to 0% for select models. |
| POWER | 6.8W to 116.6W per fixture |
| INPUT | 100VAC to 277VAC Phase dimmable versions are 120VAC only. |
| OPTICS | 15° - 80° distribution spun aluminum reflectors. Field replaceable without tools. |
| FINISHES | Powder coat - TGIC polyester |
| MATERIAL | Extruded aluminum with galvanized steel hardware |
| ENVIRONMENT | Indoor dry or damp locations |

DISTRIBUTIONS & PROFILES



Available in any combination of distributions for direct and indirect.

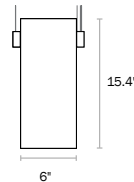
CORE 6
DIRECT/INDIRECT
PENDANT



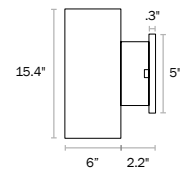
CORE 6
DIRECT/INDIRECT
SCONCE



CORE 6
DIRECT/INDIRECT
PENDANT



CORE 6
DIRECT/INDIRECT
SCONCE



Not to scale. Dimensions are nominal. Consult factory for CAD drawing

*Safety and Performance information available on last page. Output and other specifications available on page 6.





PRODUCT SUBMITTAL QUICK WORKSHEET

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|

EXAMPLE: CCT6 – 20902725HL – 20902725HL – RV00 – 2C – DOB – SBBK – NLT – EMB
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

| 1. MODEL (CHOOSE 1) | 2. OUTPUT - DIRECT* (CHOOSE 1) | 3. CRI - DIRECT* (CHOOSE 1) | 4. CCT - DIRECT* (CHOOSE 1) |
|--|--------------------------------|--|---------------------------------|
| CCT6 Pendant | 05 500lm | 90 90 | 27 2700K |
| CCU6 Sconce | 10 1000lm | BD* BIOS Dynamic | 30 3000K |
| | 15 1500lm | *Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver and dimmer combinations. See pages 7-8 for details. | 35 3500K |
| | 20 2000lm | | 40 4000K |
| | 25 2500lm | | *Not available in BIOS Dynamic. |
| | 30 3000lm | | |
| | 35 3500lm | | |
| | 40 4000lm | | |
| *See BIOS Dynamic supplement pages 7-8 for BIOS lamping options. | | | |
| *Available for V01 dimming only. | | | |

| 5. REFLECTOR - DIRECT (CHOOSE 1) | 6. OPTICAL ACCESSORY - DIRECT (CHOOSE 1) | 7. OUTPUT - INDIRECT* (CHOOSE 1) | 8. CRI - INDIRECT* (CHOOSE 1) |
|--|--|----------------------------------|--|
| 15 15° (0.3 S/MH) | NN None | 05 500lm | 90 90 |
| 25 25° (0.4 S/MH) | HL Honeycomb Louver | 10 1000lm | BD* BIOS Dynamic |
| 35 35° (0.6 S/MH) | DF Diffusion Lens | 15 1500lm | *Dynamic BIOS SkyBlue® 490nm LED can be tuned out with most LED driver and dimmer combinations. See pages 7-8 for details. |
| 55 55° (0.9 S/MH) | LS Linear Spread Lens (60° x 1°) | 20 2000lm | |
| 80 80° (1.4 S/MH) | WW Wall Wash Lens (shifts beam 20° from vertical) | 25 2500lm | |
| BF² Baffle | | 30 3000lm | |
| | | 35 3500lm | |
| | | 40 4000lm | |
| *Beam angles noted above are nominal. | | | |
| *Baffles are only compatible with the NN optical accessory. | | | |
| *See BIOS Dynamic supplement pages 5-6 for BIOS lamping options. | | | |
| *Available for V01 dimming only. | | | |

| 9. CCT - INDIRECT (CHOOSE 1) | 10. REFLECTOR - INDIRECT (CHOOSE 1) | 11. OPTICAL ACCESSORY - INDIRECT (CHOOSE 1) | 12. DRIVER LOCATION* (CHOOSE 1) |
|---|-------------------------------------|--|---|
| 27 2700K | 15 15° (0.3 S/MH) | NN None | R Remote |
| 30 3000K | 25 25° (0.4 S/MH) | HL Honeycomb Louver | D Deep Canopy |
| 35 3500K | 35 35° (0.6 S/MH) | DF Diffusion Lens | *See Dimming/driver location compatibility on page 9 to ensure correct dimming specification. |
| 40 4000K | 55 55° (0.9 S/MH) | LS Linear Spread Lens (60° x 1°) | |
| | 80 80° (1.4 S/MH) | WW Wall Wash Lens (shifts beam 20° from vertical) | |
| | BF² Baffle | | |
| | | | |
| *Beam angles noted above are nominal. | | | |
| *Baffles are only compatible with the NN optical accessory. | | | |

| 13. DIMMING* (CHOOSE 1) | 14. NUMBER OF CIRCUITS (CHOOSE 1) | 15. SHELL CUTOUT* (CHOOSE 1) | 16. HEAT SINK FINISH* (CHOOSE 1) |
|--|-----------------------------------|---|---|
| V00 (0-10V, dim to 0%) | 1C 1 Circuit | R Round | STANDARD HEAT SINK FINISHES** -- Manually type in finish code (Ex: OB = Oil-Rubbed Bronze) |
| V01 (0-10V, dim to 1%) | 2C 2 Circuits | S Square | |
| P01 (ELV/TRIAC phase dim to 1%) | | D Dual | |
| ELDVO (eidoLED, 0-10V, dim to 0%) | | Z³ Custom | |
| LDE1 (Lutron ECOSYS1, 0-10V, dim to 0%) | | *See page 4 for standard shell cutout options. *Consult factory for custom cutout options. | SPECIAL ORDER HEAT SINK FINISHES** RAL_____ Specify RAL Classic Color (Ex: RAL 3003) - |
| DALI (DALI, dim to 0%) | | | CCM_____ Custom Color Match |
| DMX (DMX, dim to 0%) | | | |
| POEM⁴ (POE Molex) | | | |
| POEI⁴ (POE IGOR) | | | |
| POEN⁴ (POE Nuleds) | | | *See page 6 for finish chart. |
| POE^{4,5} (POE Ready) | | | *Manually type the finish code into the parametric code above. |

*See 'Driver', 'Sensor', and 'dimming/driver compatibility charts for sensor and dimming compatibility.
 **Consult factory for BIOS Dynamic dimming options.
³POE drivers only compatible with remote driver (R) location. Driver size may change depending on lumen package.
⁴Choose if desired PoE solution not listed. Contact customer service to review and confirm the PoE system of your choice.

CONTINUES ON NEXT PAGE →

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PRODUCT SUBMITTAL QUICK WORKSHEET

EXAMPLE: CCT6 – 20902725HL – 20902725HL – RV00 – 2C – DOB – BABK/12 – NLT – EMB

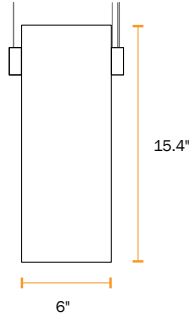
| 17. SHELL COLOR* (CHOOSE 1) | 18. SUSPENSION* (CHOOSE 1) | 19. SENSOR OPTIONS* (OPTIONAL CHOOSE 1) | 20. EMERGENCY OPTIONS* (OPTIONAL) |
|--|--|--|---|
| <p>STANDARD FINISHES</p> <p>SW <input type="checkbox"/> Satin White</p> <p>SB <input checked="" type="checkbox"/> Satin Black</p> <p>AS <input type="checkbox"/> Aluminum Silver Anodized Effect</p> <p>TB <input checked="" type="checkbox"/> Textured Black</p> <p>BA <input type="checkbox"/> Brushed Aluminum</p> <p>PREMIUM FINISHES</p> <p>-- See chart on page 6 for premium finishes. Manually type in the finish code (Ex: OB = Oil-Rubbed Bronze)</p> <p>SPECIAL ORDER FINISHES*</p> <p>RAL_____ Specify RAL Classic Color (Ex: RAL 3003)</p> <p>CCM_____ Custom Color Match</p> | <p>BK Black Cord</p> <p>WH White Cord</p> <p>CB Clear Braided Cord</p> <p>*Dual aircraft cable + cord suspension.</p> <p>*Cable length field adjustable. Standard cord length 6ft, for longer cords, type desired length into product code above (i.e BK/8 = Black Cord + 8ft cord length).</p> | <p>WLNx (Cooper Wavelinx, remote)</p> <p>ENLGHt (Enlighted, remote)</p> <p>FCJS (Lutron, remote)</p> <p>FCJS/S (Lutron, remote, occ/daylight sensor)</p> <p>MLX (Molex POE, remote)</p> <p>NLT (nLight wired remote connection)</p> <p>NLTAIR (nLight AIR, remote connection, integral occ/daylight sensor)</p> <p>OS/PH/HV (Hubbel WASP remote occ/daylight sensor)</p> <p>*Default quantity is 1 sensor per fixture, type alternate quantity /[#] into product code above if desired and contact ALW to request price adjustment. Sensor descriptions available on page 10.</p> <p>*Not all sensors are compatible with all drivers. See 'Driver', 'Sensor' and lamping charts for driver details and sensor compatibility.</p> <p>*Available for remote driver location only.</p> | <p>EMB Emergency Battery</p> <p>*Emergency options only available with 0-10V driver options. Third party inverter system recommended for other driver options. Refer to ALW EM Solution Catalog for all compatibility exceptions.</p> <p>*Available for deep canopy and remote driver location only.</p> |

*See page 6 for finish chart.
 *Manually type the finish code into the parametric code above.

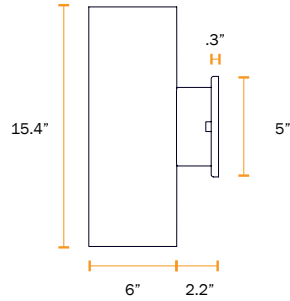


DIMENSIONS AND MOUNTING

CORE 6 PENDANT



CORE 6 SCONCE



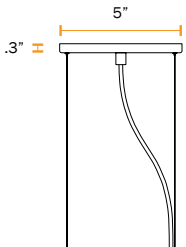
REMOTE DRIVER

STANDARD SHALLOW CANOPY

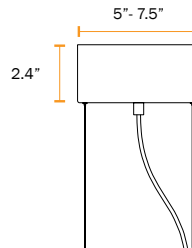
DEEP CANOPY MOUNTED DRIVER⁷

DEEP CANOPY FOR CANOPY MOUNTED LED DRIVERS

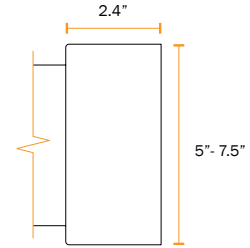
PENDANT ONLY



PENDANT ONLY



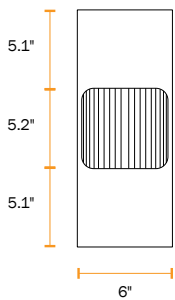
SCONCE ONLY



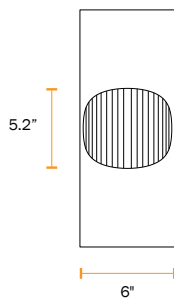
CUTOUT DIMENSIONS⁸

STANDARD DIMENSIONS FOR CUTOUT

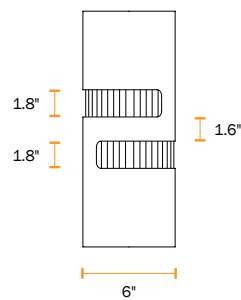
SQUARE



ROUND



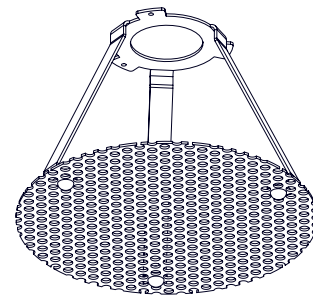
DUAL



BAFFLE

Baffles are available for all cutout fixtures.

The baffle reflects light back into the fixture illuminating the heatsink and cutout features.



Not to scale. Dimensions are nominal. Consult factory for CAD drawings
All canopies fit standard 3.5" and 4" round and octagonal junction boxes.

⁷Deep canopy diameter depends on LED driver size

⁸Cutout position and dimension is consistent for all standard cutouts.



FINISHES

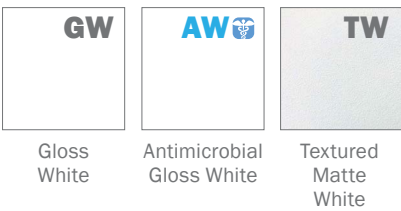
Standard finishes are available at no additional charge and no extended lead time for standard configurations.

STANDARD FINISHES

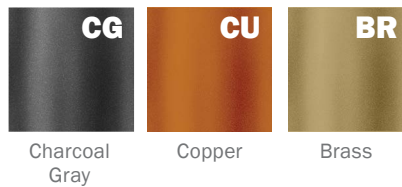


PREMIUM FINISHES

BASIC POWDER COAT



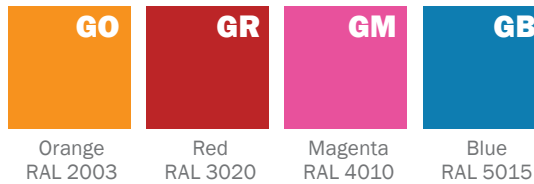
METALLIC POWDER COAT



SATIN ANODIZED EFFECT POWDER COAT



GLOSS POWDER COAT (80-95% GLOSS)



Contact ALW Quotes for sample paint finish swatches.

SPECIAL ORDER FINISHES*



RAL CLASSIC COLORS (80-95% GLOSS): RAL_ _ _ _

Most RAL Classic Colors are available for a minimum setup fee. On your specification submittal choose your RAL color by entering the 4-digit RAL code (Ex: RAL 3003). See www.alw-inc.com/resources/finishes



CUSTOM COLOR MATCH: CCM_ _ _ _

Custom powder coat color matching is available for a premium setup fee. Consult ALW for additional information.

*An individual setup fee will apply to each unique Special Order Finish per purchase order. (ex: RAL 5023 and RAL 2008 are specified for multiple line items on a purchase order. 2x setup fees will apply)

*Printed or on-screen colors are only approximations - consult actual Color Chip Set before specifying

CORD OPTIONS



Black
Order Code = **BK**

For all locations



White
Order Code = **WH**

For all locations



Clear Silver Braid
Order Code = **CB**

For dry and damp locations only

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PERFORMANCE DETAILS

| REFLECTOR OPTION | CRI | DELIVERED LUMENS ¹⁰ | EFFICACY (LM/W) | WATTS(W) | CCT OPTIONS |
|--|-------------|--------------------------------|-----------------|----------|----------------------------------|
| 15° 25° 35° 55° 80° | Ra = 90 ± 3 | 500 | 147 | 3.4 | 2700K 3000K 3500K 4000K |
| | | 1000 | 137 | 7.3 | |
| | | 1500 | 130 | 11.5 | |
| | | 2000 | 126 | 15.9 | |
| | | 2500 | 122 | 20.4 | |
| | | 3000 | 119 | 25.2 | |
| | | 3500 | 115 | 30.3 | |
| | | 4000 | 112 | 35.5 | |
| | | 4500 | 111 | 40.6 | |
| | | 5000 | 109 | 46 | |
| | | 5500 | 106 | 51.6 | |
| | | 6000 | 103 | 58.3 | |

*Based on 55deg reflector for all outputs, 4000K 90CRI.

*Refer to IES files for full performance data.

¹⁰Actual lumens measured in field may differ +/- 10%.

TM-30-18 DETAILS (90 CRI LAMPING)

| CCT | CRI (Ra) | CRI (R9) | TM-30 Rf | TM-30 Rg |
|-------|----------|----------|----------|----------|
| 2700K | 90.5 | 59.7 | 89.4 | 99.6 |
| 3000K | 92.5 | 66.5 | 89.9 | 98.7 |
| 3500K | 93.8 | 74.2 | 89.8 | 98.1 |
| 4000K | 94.2 | 78.8 | 89.8 | 98.5 |

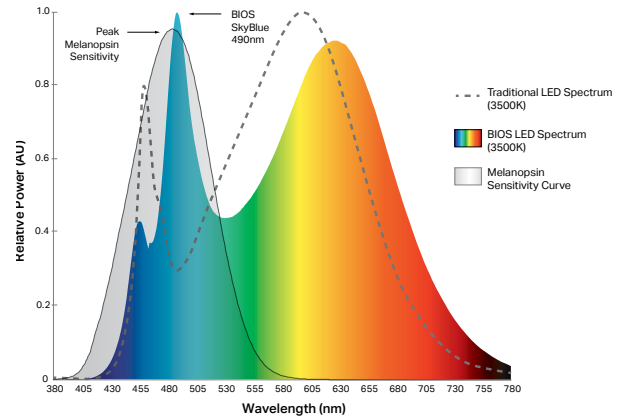


BIOS OVERVIEW



BIOS SkyBlue® technology is designed to provide the specific circadian stimulus required to improve overall sleep by **featuring a distinct peak in the 'skyblue' spectral power at 490nm**. Unlike traditional white LEDs, BIOS SkyBlue® makes it possible to achieve **high EML (Equivalent Melanopic Lux) and Melanopic/Photopic ratios** without harsh CCTs or high, glare-inducing light levels.

BIOS light engines are available for cylinder products with a **Dynamic** options for use with a variety of applications. Dynamic options include a dynamic board and Bio-Dimmer module to allow the user to dim-out the SkyBlue 490nm signal during night time hours.



| BIOS DYNAMIC + BIO-DIMMING (BIOSD) | |
|------------------------------------|---|
| DESCRIPTION | Dynamic light engine with Bio-Dimming add the ability to fine-tune and dim-out the 490nm SkyBlue signal during night time hours or as desired. |
| TYPICAL APPLICATIONS | Environments occupied for a 24-hour period such as hospitals, security facilities, behavioral health facilities, factories, etc. |
| CONTROLS & DIMMING | Works with any standard dimming controls (0-10V, Dali, EcoSystem, Triac, DMX, Wireless, etc.). BIOS SkyBlue® LED can be dimmed-out using a standard control/dimmer. |

BIOS LED LAMPING DETAILS (DYNAMIC)

| DELIVERED LUMENS ¹¹ | WATTS (W) | EFFICACY (LM/W) |
|--------------------------------|-----------|-----------------|
| 500 | 5.4 | 93 |
| 1000 | 11.1 | 90 |
| 1500 | 18.3 | 82 |
| 2000 | 23.8 | 77 |

BIOS LED PERFORMANCE DETAILS

| CCT | CRI (R9) <i>Dynamic BIOS</i> | DAYTIME M/P RATIO ¹² <i>Dynamic BIOS</i> | NIGHTTIME M/P RATIO ¹² <i>Dynamic BIOS</i> | COI ¹³ <i>Dynamic BIOS</i> |
|-------|---------------------------------|--|--|--|
| 3000K | 83 | 0.73 | 0.45 | 3.3 |
| 3500K | 83 | 0.84 | 0.50 | 3.1 |
| 4000K | 83 | 0.95 | 0.55 | 3.1 |

¹¹Delivered Lumens calculations are based on LM-79 test of BIOS 4000K, 2000lm output.

¹²Melanopic to photopic (M/P) ratios are used to help calculate equivalent melanopic lux (EML) values which is the metric used for circadian lighting in the WELL™ Building Standard.

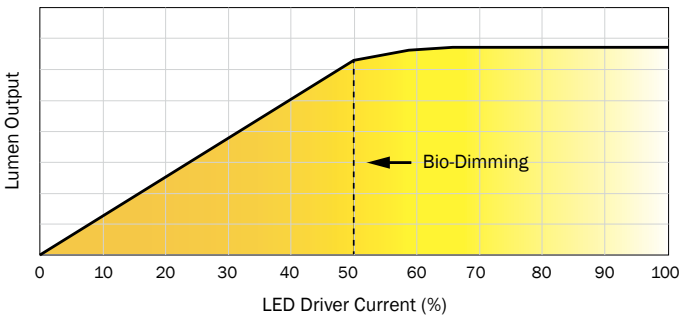
¹³BIOS SkyBlue® meets the Cyanosis Observation Index (COI) requirements for visual assessment of cyanosis, providing a COI up to 3.3.



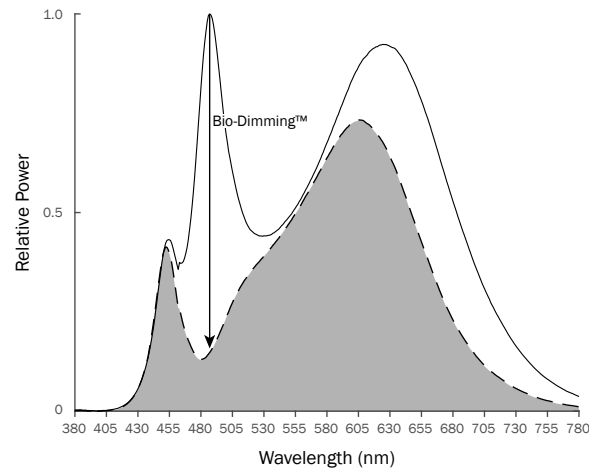
BIOS DYNAMIC + BIO-DIMMING DIMMING CONTROL CHARACTERISTICS

| | DIMMER SETTING | BIOS SKYBLUE® LED | WHITE LED | LIGHT OUTPUT | | |
|--|--------------------|-------------------|-----------|----------------------------|-----------------------------|---|
| | 100%* (Full On) | 100% | 100% | 100% | Bio-Dimming | BIOS SkyBlue® maintained for maximum circadian impact. Light output remains relatively constant. |
| | 99% - 51% | 100% - 0% | 100% | 100% - 90% | | |
| | 50% | NO BIOS | 100% | ~90% | White LED Intensity Dimming | BIOS SkyBlue® removed to provide minimal circadian impact. White LED output dims linearly. |
| | 49% - 0% | NO BIOS | 100% - 0% | Linear Dimming 90% - 0% | | |

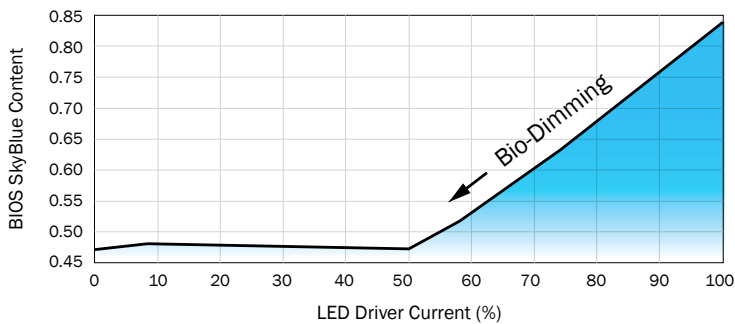
Dynamic BIOS Lumen Output vs. Driver Current



BIOS + Bio-Dimming™



Dynamic BIOS SkyBlue vs. Driver Current





DRIVERS

| PRODUCT CODE | DESCRIPTION |
|--------------|---|
| V00 | 0-10V dimming down to 0% |
| V01 | 0-10V dimming down to 1% |
| P01 | Driver supports both TRIAC Forward Phase 2-Wire and ELV Reverse Phase 3-Wire dimming controls. |
| ELDVO | eldoLED, 0-10V dimming down to 0% |
| DALI | DALI flicker-free dimming down to 0%. |
| DMX | DMX flicker-free dimming down to 0%. |
| LDE1 | ECOSYS1, (LDE1) Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology |
| POEM | POE MOLEX. Molex CoreSync PoE LED Driver dimming down to 0% |
| POEI | IGOR PoE LED Driver. Contact ALW to assist with your project. |
| POEN | NuLEDS PoE LED Driver. Contact ALW to assist with your project. |
| POE | PoE Ready LED Driver. Contact ALW to assist with your project. |

*Contact ALW for specific dimming level requests. ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. If there are specific components required for your application that aren't listed on this spec sheet, please contact ALW customer support today to specify a compatible solution of your choice.

| DRIVER/LED LAMPING COMPATIBILITY | | | | |
|----------------------------------|-------------|------|------------------------------------|---|
| | STD* | BIOS | CA TITLE 24 JA8/JA10 ¹⁴ | IEEE P1789 & HD TV STUDIO ¹⁵ |
| V00 | ● | ● | ● | |
| V01 | ● | ● | ● | |
| P01 | ● | ● | ● | |
| ELDVO | ● | ● | ● | ● |
| DALI | ● | ● | ● | ● |
| DMX | ● | ● | ● | ● |
| LDE1 | ● | ● | ● | ● |
| POEM | PER REQUEST | | ● | ● |
| POEI | PER REQUEST | | ● | ● |
| POEN | PER REQUEST | | ● | ● |
| POE | PER REQUEST | | ● | ● |

| DRIVER LOCATION/DRIVER COMPATIBILITY | | | |
|--------------------------------------|----------|-------------|--------|
| | INTERNAL | DEEP CANOPY | REMOTE |
| V00 | | ● | ● |
| V01 | | ● | ● |
| P01 | | ● | ● |
| ELDVO | | ● | ● |
| DALI | | ● | ● |
| DMX | | ● | ● |
| LDE1 | | ● | ● |
| POEM | | | ● |
| POEI | | | ● |
| POEN | | | ● |
| POE | | | ● |

● - Indicates compatibility

*Standard lamping (STD) - 500-6000lm

¹⁴Fixtures specified with 90CRI 2700K, 3000K, 3500K, and 4000K lamping with applicable LED drivers have the ability to conform to California Title 24 JA8 and JA10 Appendices.

¹⁵The following drivers conform to IEEE P1789 Flicker Standard: 'IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers'. These drivers may also be installed in HD TV Studio applications utilizing high frequency camera equipment.



SENSORS*

| | PRODUCT CODE | DESCRIPTION | DRIVER LOCATION | SENSOR LOCATION |
|---------------------------|-----------------|--|-----------------------------------|-----------------|
| | N | None. Choose when sensors are not desired. | - | - |
| COOPER | WLNx | Fixture is built with 0/10V wiring to connect to Wavelinx Wireless sensors and power/relay packs (sensors and equipment not provided by ALW) | Internal Deep Canopy Remote | Remote |
| ENLIGHTED™ | ENLGHt | Enlighted® remote connected lighting smart sensor - occ/daylight/networking (Enlighted Part: SU-5S-H-CL) | Remote | |
| LUTRON VIVE | FCJS | Lutron® Vive remote RF wireless fixture control (Lutron Part: FCJS-ECO or FCJS-010) | Remote | |
| | FCJS/S | Lutron® Vive remote RF wireless fixture control + daylight/occ sensor (Lutron Part: FCJS-ECO or FCJS-010, & FC-Sensor) | Remote | |
| MOLEX POE CORESYNC | MLX | Molex PoE sensors for use with Molex/PoE drivers. Customer will need to determine who to purchase PoE equipment from. | Remote | |
| NLIGHT WIRED® | NLT | Fixture is built to connect to nLight Wired remote components specified by agency. Contact ALW to review project details. | Remote | |
| NLIGHT WIRELESS® | NLTAIR | Fixture is built to connect to nLight Air (Wireless) remote components specified by agency. Contact ALW to review project details. | Remote | |
| VALUE SENSORS | OS/PH/HV | <i>Hubbell WASP High Voltage 0-10V remote surface mount occ/daylight sensor. 120/277/347VAC input (Hubbell Part: WSPDSMUNV)</i> <i>Automated Dimming Functionality: Connect fixture 0/10V wires to sensor in the field. Adjust occ/photocell settings as desired.</i> <i>On/Off or Manual Dimming Functionality: Turn photocell functionality OFF. Cap off 0/10V wires on sensor. Connect fixture 0/10V wires to wall dimmer in the field.</i> | Internal Deep Canopy Remote | |

*All connected lighting sensors/systems must be programmed in the field by an electrical commissioner familiar with the system. Refer to the 'Sensor Compatibility' and 'Driver/Sensor Compatibility' charts to specify compatible sensors, LED lamping, and LED driver systems.

| SENSOR COMPATIBILITY | | | | | |
|---------------------------|-----------------|---------------------|-----------------|-------------|------|
| PRODUCT CODE | | SENSOR TYPE | MAX MT HT | CA TITLE 24 | STD* |
| COOPER WAVELINX | WLNx | | 15 ft | ● | ● |
| ENLIGHTED™ | ENLGHt | OCCUPANCY/PHOTOCELL | 40 ft | ● | ● |
| LUTRON VIVE | FCJS | WIRELESS CONTROL | 12 ft | ● | ● |
| | FCJS/S | OCCUPANCY/PHOTOCELL | 12 ft | ● | ● |
| MOLEX POE CORESYNC | MLX | | 16 ft | ● | ● |
| NLIGHT WIRED | NLT | | 15 ft | ● | ● |
| NLIGHT WIRELESS | NLTAIR | | 15 ft (average) | ● | ● |
| VALUE SENSORS | OS/PH/HV | OCCUPANCY/PHOTOCELL | 45 ft | ● | ● |

● - Indicates compatibility ■ - On/off sensor functionality only

*Standard lamping (STD) - 500 - 6000LM

| DRIVER/SENSOR COMPATIBILITY | | | | | | | | | |
|-----------------------------|--|--------|-----|------|--------|-----|--------|----------|-----------|
| | WLNx | ENLGHt | MLX | FCJS | FCJS/S | NLT | NLTAIR | OS/PH/HV | NO SENSOR |
| V00 | ● | ● | | ● | ● | | | ■ | ● |
| V01 | ● | ● | | ● | ● | | | ■ | ● |
| P01 | | | | | | | | ■ | ● |
| ELDVO | | | | | | ● | ● | ▲ | ● |
| DALI | | | | | | | | ■ | ● |
| DMX | | | | | | | | ■ | ● |
| LDE1 | | | | ● | ● | | | | ● |
| POEM | | | ● | | | | | | ● |
| POEI | Sensor types will depend on the PoE system configuration. Contact ALW for details. | | | | | | | | |
| POEN | Sensor types will depend on the PoE system configuration. Contact ALW for details. | | | | | | | | |
| POE | Sensor types will depend on the PoE system configuration. Contact ALW for details. | | | | | | | | |

● - Indicates compatibility

▲ - Fixture can have automated dimming via sensor OR on/off functionality and manual dimming

■ - On/off sensor functionality only



PHOTOMETRICS CORE 6

| BEAM ANGLE (°) | POLAR PLOT (CD) | MTG HEIGHT (FT) | LIGHT LEVEL (FC) | BEAM DIAMETER (FT) | SPACING CRITERION (SC) ¹⁶ (0° - 180°) (90° - 270°) | MAX INTENSITY (CD) |
|----------------|-----------------|-----------------|------------------|--------------------|---|--------------------|
| 15° | | 6 | 842.3 | 1.5 | .24 .24 | 30324 |
| | | 8 | 473.8 | 2.0 | | |
| | | 10 | 303.2 | 2.5 | | |
| | | 12 | 210.6 | 3.0 | | |
| | | 14 | 154.7 | 3.5 | | |
| | | 16 | 118.5 | 3.9 | | |
| 25° | | 6 | 292.0 | 2.9 | .46 .46 | 10510 |
| | | 8 | 164.2 | 3.9 | | |
| | | 10 | 105.1 | 4.9 | | |
| | | 12 | 73.0 | 5.8 | | |
| | | 14 | 53.6 | 6.8 | | |
| | | 16 | 41.1 | 7.8 | | |
| 35° | | 6 | 226.0 | 3.4 | .53 .53 | 8136 |
| | | 8 | 127.1 | 4.6 | | |
| | | 10 | 81.4 | 5.7 | | |
| | | 12 | 56.5 | 6.9 | | |
| | | 14 | 41.5 | 8.0 | | |
| | | 16 | 31.8 | 9.1 | | |
| 55° | | 6 | 86.0 | 7.4 | .95 .95 | 3118 |
| | | 8 | 48.4 | 9.8 | | |
| | | 10 | 31.0 | 12.3 | | |
| | | 12 | 21.5 | 14.7 | | |
| | | 14 | 15.8 | 17.2 | | |
| | | 16 | 12.1 | 19.6 | | |
| 80° | | 6 | 64.3 | 10.1 | 1.21 1.21 | 2314 |
| | | 8 | 36.2 | 13.5 | | |
| | | 10 | 23.1 | 16.9 | | |
| | | 12 | 16.1 | 20.3 | | |
| | | 14 | 11.8 | 23.7 | | |
| | | 16 | 9.0 | 27.0 | | |

*Photometric calculations based on 3000lm 4000K 90CRI fixture combination. Actual results may vary in the field.

For footcandle and output multipliers refer to the [ALW IES File Multipliers Chart](#).

¹⁶Spacing criterion refers to maximum distance luminaires can be spaced to provide uniform illumination on the working plane or surface.

Luminaire spacing = Spacing Criterion (SC) x Mounting Height (MH) (ex. 1.14 (SC) x 10' (MH) = 11.4' Luminaire Spacing).



ADDITIONAL OPTIONS & SPECIFICATIONS

LED PERFORMANCE

> 55,000 hours at 80% lumen maintenance, LM80 / TM-21

COLOR CONSISTENCY

3 SDCM; 90 CRI typical

HOUSING

Extruded aluminum with galvanized steel hardware

SAFETY & REGULATORY

Can be used to comply with **Title 24 JA8 and JA10** requirements. Contact ALW customer support today and we can help you with your project requirements.

UL Listed (U.S. & Canada). Suitable for dry or damp locations. Conforms to UL 2108, 8750
Certified to CSA std. CSA C22.2# 9 & #250.0

OPERATING TEMPERATURE

Luminaire should be installed and operated **ONLY** in dry or damp environments where the ambient temperature ranges from -4 °F to 104 °F (-20 °C to 40 °C). Luminaire operation in environments outside the listed temperature range voids the warranty AND may damage the product or adversely impact lamp life, lumen output and color consistency.

CONTROLS, SENSORS, & LED DRIVER

ALW lighting fixtures are intended for use with a wide range of sensors, lighting controls, LED drivers, and building management systems. Our component portfolio is continually expanding to adopt to the latest technologies and specification needs. We currently support integration with Lutron, Enlighted, EldoLED, nLight, Osram, Philips, and more. If there's a component or system needed that you don't see on the spec sheet please contact ALW customer support today so we can review your requirements.

WARRANTY

LIMITED WARRANTY. Visit alw-inc.com for more information.

WEIGHT

| CORE 6 | |
|------------------|------------------|
| PENDANT | SCONCE |
| 9 lbs/ 4.1 kg | 9 lbs/ 4.1 kg |