

CYLINDER 3 FIXED SURFACE MOUNT

| | |
|---------------|-------|
| PROJECT NAME: | TYPE: |
|---------------|-------|



Highlight art, objects, places, spaces, seating areas, and architectural details with a classic profile that offers easy-to-adjust, in-field versatility.

ORDERING INFORMATION - CYLINDER

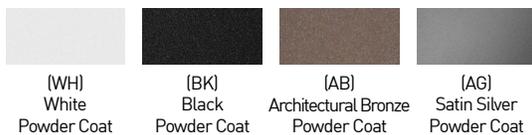


Quick Ship Product. All rough in components ship within 10 days up to quantities of 100.



JA8-2019 COMPLIANCE INDICATED BY SHADING

| CYLINDER | FIXTURE | RATING | CYLINDER FINISH | BAFFLE FINISH | LUMEN PACKAGE | CCT | OPTIC | DRIVER | EFFECTS DEVICE | MOUNTING |
|------------|--|------------|--|--|---|---|--|---|---|--|
| CY3 | | 1 | | | | | | | | |
| CY3 3.25" | FB Fixed Body WW Wallwash Unibody | 1 Dry/Damp | WH White | WH White | LOW FLUX STATIC WHITE 80C19A 80+ CRI FB Dlv. Lumens - 1127 WW Dlv. Lumens - 1280 80C25A 80+ CRI FB Dlv. Lumens - 1502 WW Dlv. Lumens - 1699 90C15A 90+ CRI FB Dlv. Lumens - 905 WW Dlv. Lumens - 1096 90C20A 90+ CRI FB Dlv. Lumens - 1287 WW Dlv. Lumens - 1456 97C14A 97+ CRI FB Dlv. Lumens - 863 WW Dlv. Lumens - 980 97C19A 97+ CRI FB Dlv. Lumens - 1151 WW Dlv. Lumens - 1317 | 22 2200K* <small>*Only available for 90+ CRI</small> 27 2700K 30 3000K 35 3500K 40 4000K | 10 10°* <small>*Only available for 80C12A, 90C10A, and 97C09A. Not available for 2200K</small> 15 15° 25 25° 40 40° 60 60° WW Wallwash* <small>*Required and only available for WW fixture</small> | INTEGRAL CA2 120-277V 0-10V Analog CE2 120V Electronic ELV Forward / Reverse Phase REMOTE (120V) TR2 Philips, 2% Leading/Trailing / Triac* <small>*Only available for 80C19A, 90C15A, 97C14A, and Warm Dim</small> L23 Lutron, Hi-Lume 1% 2-Wire REMOTE (120-277V) LH1 Lutron, Hi-Lume Ecosystem 1% Fade to Black LP1 Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black AN4 Philips Xitanium 1% 0-10V, LOG LN2 Philips Xitanium 1% 0-10V, LIN EA2 eldoLED, SOLOdrive 0.1% 0-10V, LOG EA2 eldoLED, SOLOdrive 0.1% 0-10V, LIN ED1 eldoLED, SOLOdrive 0.1% DALI, LOG LD1 eldoLED, SOLOdrive 0.1% DALI, LIN | STANDARD EFFECTS DEVICE 4 Soft Focus Lens N No Lens* <small>*Standard for 10" optic. Not available for Warm Dim</small> W Wallwash Lens* <small>*Required and only available for WW fixture</small> ALTERNATE EFFECTS DEVICE 2 Honeycomb Louver* <small>*Not available for Warm Dim</small> 3 Clear Glass Lens* <small>*Not available for Warm Dim</small> 5 Frosted Glass Lens 6 Frosted Soft Focus Lens 7 Frosted Linear Spread Lens | ROUGH-IN JBMP 4" Sq. or 4/0 Junction Box Mounting Plate FINISH OUT SMK3 3/0 Surface Mount Kit SMK4 4/0 Surface Mount Kit CMJB 1/2" and 3/4" Conduit Ceiling Mount Junction Box* <small>*Not available for Wet location. Quick Ship Product for WH and BK finishes only</small> |
| | | | BK Black | BK Black | | | | | | |
| | | | AB Architectural Bronze* <small>*Increased lead time</small> | AB Architectural Bronze* <small>*Increased lead time</small> | | | | | | |
| | | | AG Satin Silver* <small>*Increased lead time</small> | AG Satin Silver* <small>*Increased lead time</small> | | | | | | |
| | | | CF Custom Finish* <small>*Consult Factory</small> | CF Custom Finish* <small>*Consult Factory</small> | | | | | | |
| | | | | | HIGH FLUX STATIC WHITE 80C32A 80+ CRI FB Dlv. Lumens - 1961 WW Dlv. Lumens - 2218 90C27A 90+ CRI FB Dlv. Lumens - 1680 WW Dlv. Lumens - 1834 97C24A 97+ CRI FB Dlv. Lumens - 1503 WW Dlv. Lumens - 1706 | 27 2700K 30 3000K 35 3500K* <small>*Not available for 97+ CRI</small> 40 4000K | 15 15° 25 25° 40 40° 60 60° WW Wallwash* <small>*Required and only available for WW fixture</small> | | | |
| | | | | | WARM DIM 90W11A 90+ CRI, Incandescent Profile FB Dlv. Lumens - 941 WW Dlv. Lumens - 813 90W13A 90+ CRI, Halogen Profile FB Dlv. Lumens - 991 WW Dlv. Lumens - 1013 <small>*SEE PAGE 3 FOR DETAILED WARM DIM PROFILE COMPARISON.</small> <small>*ALL DELIVERED LUMEN OUTPUTS AND T24 COMPLIANCE REFLECT 3000K PAIRED WITH 40° / WW OPTIC AND STANDARD EFFECTS DEVICE. REFERENCE PAGE 3 FOR ADDITIONAL T24 COMPLIANT CONFIGURATIONS.</small> | WL 2700K-1800K WD 3200K-1800K | 25 25° 40 40° 60 60° WW Wallwash* <small>*Required and only available for WW fixture</small> | | | |



PART NUMBER NOTES

- Fixed Body ships as e.g., CY3-FB1-WHBK-90C15A2-30CA240
- Wallwash ships as e.g., CY3-WW1-WHBK-90C20A2-W0RMTW0
- Remote driver ships as e.g., PS-RMT-90C20A-1L23
- JBMP ships as CY2/3-JBMP
- SMK3 ships as CY2/3-SMK-(3/0 Or 4/0)-(finish)
- CMJB ships as CY3-CMJB-(finish)

CYLINDER 3 FIXED SURFACE MOUNT

ACCESSORIES

ALTERNATE EFFECTS DEVICES

HCL-CY3-03 Honeycomb Louver *

*(Not available for Warm Dim)

CGL-CY3-03 Clear Glass Lens *

*(Not available for Warm Dim)

SFL-CY3-03 Soft Focus Lens

FGL-CY3-03 Frosted Glass Lens

FSFL-CY3-03 Frosted Soft Focus Lens

FLSL-CY3-03 Frosted Linear Spread Lens

LOW FLUX AND WARM DIM REPLACEMENT OPTICS

Interchangeable optics accessible by removing snoot or baffle. Not available for Wallwash fixtures.

RO-70-15-1 15° optic *

*(Not available for Warm Dim)

RO-70-25-1 25° optic

RO-70-40-1 40° optic

RO-70-60-1 60° optic

HIGH FLUX REPLACEMENT OPTICS

Interchangeable optics accessible by removing snoot or baffle. Not available for Wallwash fixtures.

RO-70-15-2 15° optic

RO-70-25-2 25° optic

RO-70-40-2 40° optic

RO-70-60-2 60° optic

CYLINDER 3 FIXED SURFACE MOUNT

STATIC WHITE PERFORMANCE - 3000K

| LUMEN PACKAGE | WATTAGE | 10° OPTIC NO SOFT FOCUS LENS | | 15° OPTIC SOFT FOCUS LENS | | 20° OPTIC SOFT FOCUS LENS | | 40° OPTIC SOFT FOCUS LENS | | 60° OPTIC SOFT FOCUS LENS | | WW OPTIC WALLWASH LENS | |
|---------------|---------|---------------------------------|-----|------------------------------|-----|------------------------------|-----|------------------------------|-----|------------------------------|-----|---------------------------|-----|
| | | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW | DELIVERED | LPW |
| 80C19A | 17 | 1040 | 60 | 1352 | 80 | 1314 | 77 | 1127 | 66 | 1202 | 71 | 1280 | 75 |
| 80C25A | 24 | - | - | 1802 | 76 | 1752 | 73 | 1502 | 63 | 1602 | 67 | 1699 | 71 |
| 80C32A | 33 | - | - | 2353 | 71 | 2288 | 69 | 1961 | 59 | 2092 | 63 | 2218 | 67 |
| 90C15A | 17 | 882 | 51 | 1158 | 68 | 1127 | 66 | 905 | 53 | 1030 | 61 | 1096 | 64 |
| 90C20A | 24 | - | - | 1544 | 65 | 1502 | 63 | 1287 | 54 | 1373 | 58 | 1456 | 61 |
| 90C27A | 33 | - | - | 2016 | 61 | 1960 | 59 | 1680 | 51 | 1792 | 54 | 1834 | 56 |
| 97C14A | 17 | 731 | 43 | 1037 | 61 | 1007 | 59 | 863 | 51 | 921 | 54 | 980 | 58 |
| 97C19A | 24 | - | - | 1382 | 58 | 1343 | 56 | 1151 | 48 | 1228 | 51 | 1317 | 55 |
| 97C24A | 33 | - | - | 1804 | 55 | 1754 | 53 | 1503 | 46 | 1603 | 49 | 1706 | 52 |
| 90W11A | 16 | - | - | - | - | 994 | 62 | 941 | 59 | 986 | 62 | 813 | 50 |
| 90W13A | 16 | - | - | - | - | 1046 | 65 | 991 | 62 | 1038 | 65 | 1013 | 63 |



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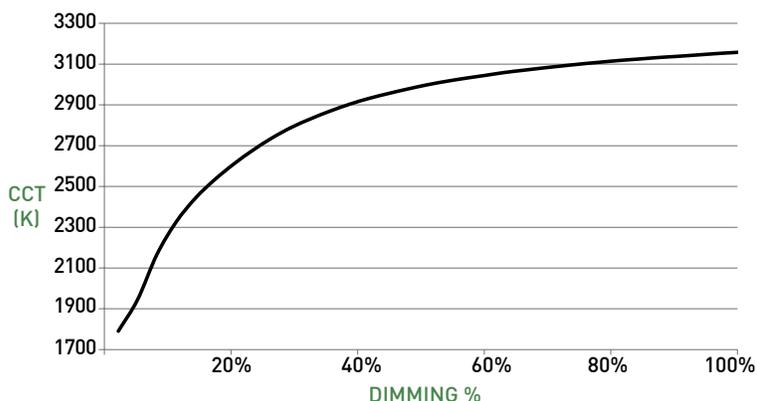
| OUTPUT MULTIPLIER | |
|--|-----------|
| CCT | CCT SCALE |
| 2200K (Consult factory for JA8 details) | 0.800 |
| 2700K | 0.957 |
| 3000K | 1.000 |
| 3500K | 1.019 |
| 4000K | 1.030 |

| LIGHT LOSS FACTOR MULTIPLIER | |
|------------------------------|------|
| No Lens | 1.05 |
| CGL | 1.05 |
| SFL | 1.00 |
| FGL | 0.90 |
| FSFL | 0.87 |
| FSL | 0.83 |
| HCL | 0.65 |

WARM DIM PERFORMANCE - SOFT FOCUS LENS - 40° OPTIC

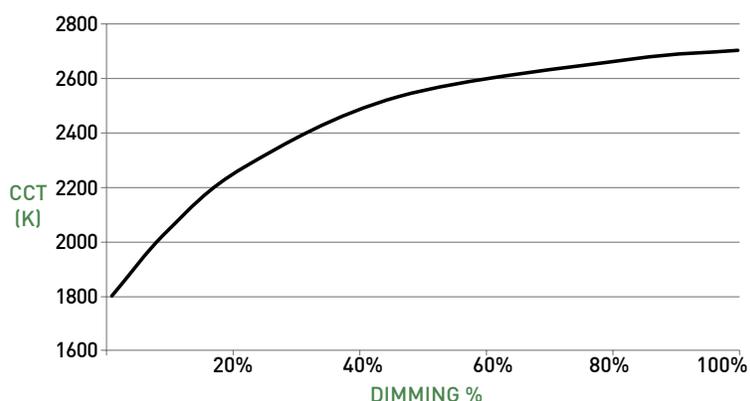
WARM DIM TO MIRROR HALOGEN DIMMING PROFILE

| 90W13A 3200K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|-------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| CCT (K) | 3200 | 3150 | 3100 | 3000 | 2700 | 2200 | 1800 |
| Light Output (Lm) | 991 | 793 | 694 | 495 | 198 | 99 | 20 |
| Power (W) | 16 | 13 | 11 | 8 | 3 | 1.7 | 0.3 |
| Efficacy (LPW) | 62 | 62 | 62 | 62 | 62 | 62 | 62 |



WARM DIM TO MIRROR INCANDESCENT DIMMING PROFILE

| 90W11A 2700K - 1800K | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|-------------------------|-----------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| CCT (K) | 2700 | 2650 | 2620 | 2520 | 2180 | 1950 | 1800 |
| Light Output (Lm) | 941 | 753 | 659 | 470 | 188 | 94 | 18 |
| Power (W) | 16 | 13 | 11 | 8 | 3 | 1.7 | 0.3 |
| Efficacy (LPW) | 59 | 59 | 59 | 59 | 59 | 59 | 59 |

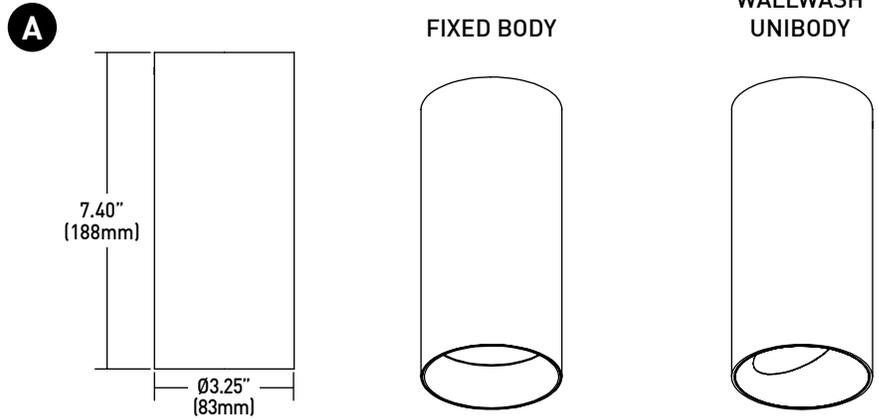


CYLINDER 3 FIXED SURFACE MOUNT

CYLINDER ASSEMBLY

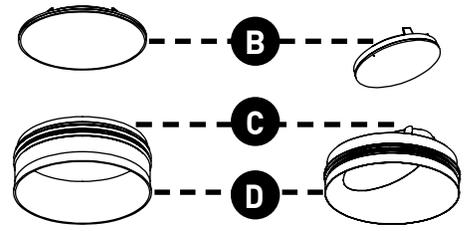
- A LUMINAIRE**
Body with integrated heat sink and LED. Conceals mounting hardware. Power supply may be integral or remote mount.
- B STANDARD OPTICS**
Proprietary optics available in 10°, 15°, 25°, 40° & 60° beams.
- WALLWASH OPTIC**
Precision tuned optic provides uniform wallwashing effect.
- C EFFECTS DEVICE**
Cylinder baffle assembly can accept 1 lens. Soft focus lens, no lens or wallwash lens standard; lenses sealed in place.
- D BAFFLE**
Baffle minimizes aperture glare and conceals view into fixture. Suction tool provided for removal of CY3-FB baffle.

DIMENSIONS / DRAWINGS



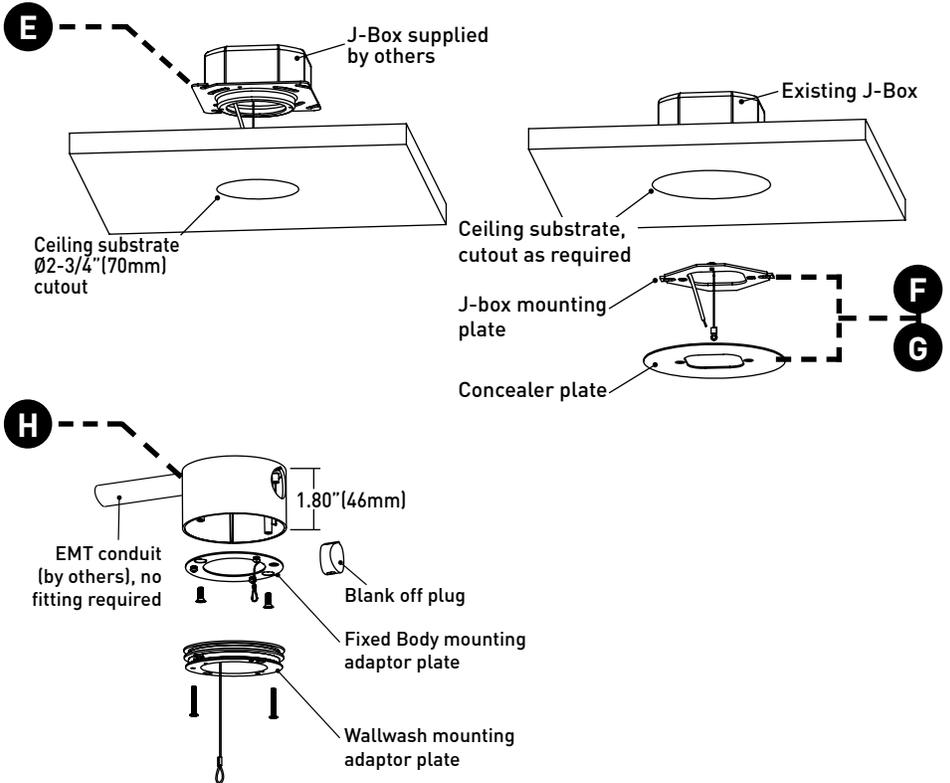
FIXED BODY

WALLWASH UNIBODY



MOUNTING

- E JBMP**
Mounting plate (concealed) for standard 4" square or 4" 4/0 j-box. To be installed during rough-in prior to substrate. Fixture to mount flush with minimalist transition to ceiling.
- F SMK3**
Surface mount kit includes mounting plate and 4" concealer plate that installs between fixture and standard 3" 3/0 j-box for existing applications where standard j-box cutout is to be concealed.
- G SMK4**
Surface mount kit includes mounting plate and 5" concealer plate that installs between fixture and standard 4" 4/0 j-box for existing applications where standard j-box cutout is to be concealed.
- H CMJB**
Ceiling mount junction box perfectly matches the cylinder profile for a continuous, integrated look where exposed ceiling mount junction box and conduit applications apply. For use with 1/2" and 3/4" EMT conduit only. Features two conduit entrances on either side and one conduit knockout on top of j-box. J-box is IP10 rated; painted finishes only. Blank off plugs included.



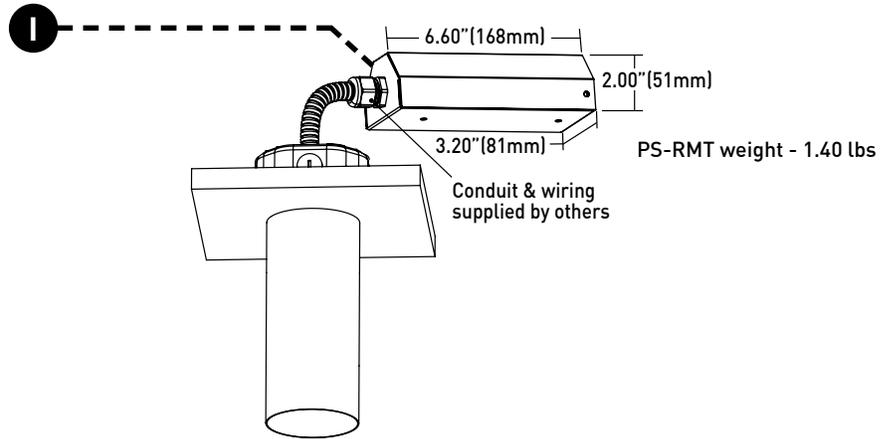
MOUNTING NOTES

- CY2/3-JBMP and CY2/3-SMK-3/0 & 4/0 not recommended for use with pancake style j-box.

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REMOTE POWER SUPPLY

- ❶ **PS-RMT**
Remote power supply provides additional driver options. Mounting device still required. Consult install guide for maximum allowable secondary run lengths between PS-RMT and cylinder.



CYLINDER 3 SURFACE MOUNT

TECHNICAL

CONSTRUCTION

Cylinder: Machined aluminum body; extruded aluminum internal heat-sink; painted finishes are granulated powder coat.

CMJB: Die-cast aluminum body; painted finishes are granulated powder coat.

Remote Power Supply: 22 Gauge galvanized steel.

STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2200K, 2700K, 3000K, 3500K and 4000K. Average rated lamp life: 50,000 hours. LED and driver assemblies are field-replaceable.

WARM DIM LED

3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3200K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

| Power Supply | CA2 | CE2 | TR2 | L23 | LH1 | LP1 | AN4 | LN2 | EA2 | LA2 | ED1 | LD1 |
|--------------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Minimum °C | -20 °C | -20 °C | -20 °C | 0 °C | 0 °C | 0 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C |
| Maximum °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C |
| Dimming % | 1.0% | 1.0% | 2.0% | 1.0% | 1.0% | 0.1% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% | 0.1% |

Note: For TR2, L23, LH1, LP1, AN4, LN2, EA2 and LA2 drivers consult chart on page 7 to confirm appropriate dimming curve for compatibility with selected control.

WALLWASH SPACING

Factory recommends 48" (1219mm) spacing on center with 36" (914mm) setback from wall plane.

MOUNTING

Cylinder is supplied with a mounting adaptor plate, which integrates with required additional mounting accessories specified separately according to field application conditions, providing a minimalist transition from standard 4/0 or 4" square junction boxes and accommodating ceiling thicknesses of 0.44" (12mm) to 0.75" (19mm). Ceiling-mount junction box available for 1/2" (13mm) and 3/4" (19mm) conduit and feature concealed internal clamps for clean fitting-free conduit exit and entry.

LISTING

cTUVus listed to UL1598 standard for Dry / Damp (CY2-FB IP14 and CY2-WW IP30) locations. Title 24 JA8-2019 Listed.

WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller and conditional upon the use of manufacturer-supplied power supply. Consult [website](#) for full warranty terms and conditions.

CHANGE LOG

- 04/26/2021: ADDED WALLWASH UNIBODY, AND LP1 DRIVER OFFERINGS.
- 01/12/2021: ADDED 2200K, 2700K-1800K WARM DIM AND 10 DEGREE OPTIC OFFERINGS.
- 01/12/2021: ADDED ZERO-SIGHTLINE HOUSING MOUNTING OPTION.
- 10/21/2019: NEW CONSOLIDATED SPEC SHEET WITH SINGLE NOMENCLATURE FOR SPECIFICATION.
- 10/21/2019: NOW OFFERED WITH SATIN SILVER FINISH.
- 10/21/2019: ADDED QUICK SHIP.

CYLINDER 3 FIXED SURFACE MOUNT

DIMMING COMPATIBILITY

PHILIPS DRIVER COMPATIBILITY

| Power supply TR2 Manufacturer | Family/Model # |
|---|-----------------------|
| Lutron Electronics | DV-600P |
| Lutron Electronics | DVELV-303P |
| Lutron Electronics | NTELV-600 |
| Lutron Electronics | MAELV-600 |
| Lutron Electronics | SELV-300P |
| Lutron Electronics | DVLV-600P |
| Lutron Electronics | NFTU-5A |
| Lutron Electronics | CTCL-153P |
| Lutron Electronics | GL-600H |
| Lutron Electronics | S-600P |
| Lutron Electronics | PHPM |
| Power supply AN4 / LN2 Manufacturer | Family/Model # |
| Lutron Electronics | DVTV plus PP-DV |
| Lutron Electronics | DVSCTV plus PP-DV |
| Lutron Electronics | DVSTV |
| Lutron Electronics | DVSCSTV |
| Lutron Electronics | QSGRJ-XP plus GRX-TVI |
| Lutron Electronics | QSGRJ-XE plus GRX-TVI |
| Lutron Electronics | QSGR-XE plus GRX-TVI |
| Lutron Electronics | NFTV plus PP-DV |
| Lutron Electronics | NTSTV |
| Lutron Electronics | RMJ-5T |
| Lutron Electronics | RMJS-8T |
| Lutron Electronics | FCJS-010 |
| Leviton | IllumaTch IP7 series |
| Philips | Sunrise - SR1200ZTUNV |

LUTRON DRIVER COMPATIBILITY

| Power supply L23 Lutron Product Family | Part No. |
|---|----------------------------------|
| Maestro WirelessR 600 W dimmer | MRF2-6ND-120- |
| Maestro WirelessR 1000 W dimmer | MRF2-10ND-120- |
| Caséta® Wireless Pro 1000 W dimmer | PD-10NXD- |
| GRAFIK T™ CL® dimmer | GT-250M- GTJ-250M- |
| HomeWorks® QS adaptive dimmer | HQRD-6NA- |
| HomeWorks® QS 600 W dimmer | HQRD-6ND- |
| HomeWorks® QS 1000 W dimmer | HQRD-10ND- |
| RadioRA® 2 adaptive dimmer | RRD-6NA- |
| RadioRA® 2 1000 W dimmer | RRD-10ND |
| myRoom™ DIN power module | MQSE-4A1-D |
| HomeWorks® QS DIN power module | LQSE-4A1-D |
| HomeWorks® QS wallbox power module | HQRJ-WPM-6D-120 |
| HomeWorks® wallbox power module | HWI-WPM-6D-120 |
| GRAFIK Eye® QS control unit | QSGR-, QSGRJ- |
| GRAFIK Eye® 3000 control unit | GRX-3100- GRX-3500- |
| RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®) | HW-RPM-4U-120 LP-RPM-4U-120 |
| RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®) | HW-RPM-4A-120, LP-RPM-4A-120 |
| GP dimming panels | Various |
| Ariadni CL 250W dimmer | AYCL-253P- |
| Diva CL 250W dimmer | DVCL-253P- DCSCCL-253P- |
| Nova T CL 250W dimmer | NTCL-250- |
| Power supply LH1 / LP1 Lutron Product Family | Part No. |
| PowPak Dimming Modules | RMJ-ECO32-DV-B |
| PowPak Dimming Modules | FCJ/FCJS-ECO |
| Energi Savr Nodes | QSN-1ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSN-2ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSGRJ- _E (wireless) QSGR- _E |
| Quantum Hub | QP2-__ 2C |
| Quantum Hub | QP2-__ 4C |
| Quantum Hub | QP2-__ 6C |
| Quantum Hub | QP2-__ 8C |
| Homeworks QS power module myRoom Plus power module | LQSE-2ECO-D |

eldoLED DRIVER COMPATIBILITY

| Power supply EA2 / LA2 Dimmer / Switch Control Manufacturer | Family/Model # |
|---|--------------------------------|
| Busch-Jaeger | 2112U-101 |
| Jung | 240-10 |
| Leviton Lighting Controls | IP710-DLX |
| Lightolier Controls | ZP600FAM120 |
| Lutron Electronics | Nova T® - NTFTV |
| Lutron Electronics | Div@® - DDTV |
| Lutron Electronics | Nova@® - NFTV |
| Merten | 5729 |
| Pass & Seymour | CD4FB-W |
| The Watt Stopper | DCLV1 |
| Sensor Switch | nI0 EZ |
| Synergy | ISD BC |
| Power supply EA2 / LA2 Lighting Control Systems Manufacturer | Family/Model # |
| Lutron Electronics | GrafixEye® GRX-TVI w GRX3503 |
| Lutron Electronics | Energy Savr Node™ - QSN-4T16-S |
| Lutron Electronics | TVM2 Module |
| Crestron® | GLX-DIMFLV8 |
| Crestron® | GLXP-DIMFLV8 |
| Crestron® | GLPAC-DIMFLV4-* |
| Crestron® | GLPAC-DIMFLV8-* |
| Crestron® | GLPP-DIMFLVEX-PM |
| Crestron® | GLPP-1DIMFLV2EX-PM |
| Crestron® | GLPP-1DIMFLV3EX-PM |
| Crestron® | DIN-A08 |
| Crestron® | DIN-4DIMFLV4 |
| Crestron® | CLS-EXP-DIMFLV |
| Crestron® | CLCI-1DIMFLV2EX |
| ABB | SD/S 2.16.1 |

