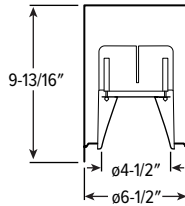


6CR tunable WHITE

6.5" Compact Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



TrimLock® TwistLock™

ORDERING EXAMPLE: **6CR - TL - 10 - L13/8TW - RDB - OPTIONS - WHT - CONTROL/DIM - UNV - OW - CS - TRIM OPTIONS - CM**
 HOUSING TRIM MOUNT.

HOUSING

| SERIES | HEIGHT | LUMENS ^[1] | COLOR | REMOTE | OPTIONS | HOUSING FINISH ^[2] |
|-----------------|---------------|-----------------------|--|---|---|-------------------------------------|
| 6CR - TL | 10 10" | L13 1,300lm | 8TW Tunable white (80 CRI, 2700K-5000K) | RDB Remote mount control/driver box, galvanized steel ^[3] | See page 3 for EMERGENCY BATTERY OPTIONS. | ALUM Silver sparkle aluminum |
| TrimLock | | L22 2,200lm | | | | BLK Textured black |
| | | L40 4,000lm | | | | BRZ Textured bronze |
| | | | | | | NKL Textured nickel |
| | | | | | | SLV Textured silver |
| | | | | | | WHT Textured white |

CONTROL

See page 3 for CONTROL/DRIVER DETAILS.

– None

AWN Lutron Athena wireless node integral fixture control, RF only ^[4]

DRIVER

See page 3 for CONTROL/DRIVER DETAILS.

DALI Driver prewired for DALI applications

DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT

DMX Driver prewired for DMX applications ^[5]

LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

UNV 120-277V

TRIM

| TRIM TYPE | DISTRIBUTION ^[6] | REFLECTOR FINISH ^[7] | TRIM OPTIONS |
|--|-----------------------------|---|---|
| O Open reflector | W 65° Wide | Open Trim Types | AD Diffuse acrylic lens ^[10] |
| L Flush lens ^[8] | M 45° Medium | CS Clear semi-specular anodize | PD Diffuse 1/8" polycarbonate lens ^[11] |
| R Regressed lens ^[9] | N 10° Narrow | SG Satin-glow anodize | TD Diffuse polycarbonate lens media at top of open reflector ^[12] |
| | | GD Gold anodize | |
| | | CG Champagne gold anodize | |
| | | PW Pewter anodize | |
| | | SPC Clear specular anodize | |
| | | RG Rose gold anodize | |
| | | WH White texture powder coat | |
| | | BL Black texture powder coat | |
| | | Lens Trim Types | |
| | | CS Clear semi-specular powder coat | |
| | | WH White texture powder coat | |
| | | BL Black texture powder coat | |
| | | BZ Bronze texture powder coat | |
| | | NK Nickel texture powder coat | |
| | | SV Silver texture powder coat | |
| | | AL Silver sparkle aluminum | |

MOUNTING

MOUNTING TYPE ^[13]

CM Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** ^[14]

PM Pendant mount. Example: 24" pendant = **PM24** ^[15]

PC Power cord mount. Example: 24" cord = **PC24** ^[16]

SM TwistLock surface mount to octagonal J-box

WM Wall mount

NOTES

- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CR/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 3 for HOUSING FINISH DETAILS.
- Painted driver box available, specify RDB/BLK or RDB/WHT.
- LD2 Driver only.
- CM Mounting Type only.
- Beam angle based on O Trim Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for REFLECTOR FINISH DETAILS.
- Not available with L40 Lumen Package.
- Not available with L40 Lumen Package.

- Not available with O Trim Type. W Distribution only.
- Not available with O Trim Type. W Distribution only.
- O Trim Type only.
- See page 4 for MOUNTING DETAILS.
- Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.



6CR tunable WHITE 6.5" Compact Cylinder – Round

FEATURES

- Engineered to deliver great performance in a sleek, space-saving design
- Wide range of lumen options for general illumination
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Parallel the performance and style of the Williams downlight collection
- Superior optical control with beams as narrow as 10° and field changeable optics as wide as 65°
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Low UGR meets LEED and WELL requirements
- Wireless in-fixture control solutions available

SPECIFICATIONS

- HOUSING** – Extruded aluminum with die-cast aluminum accent ring.
- FINISH** – Polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- TRIMLOCK** – Innovative TrimLock® reflector retention system ensures trim remains secure.
- OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- ELECTRICAL** – High-performance Class 2 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING** – Surface, cable, pendant, power cord, or wall mount. Indoor applications only.
- LISTINGS** –
 - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for dry and damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

| | DISTRIBUTION | WATTAGE | OPEN REFLECTOR TRIM TYPE | | FLUSH LENS TRIM TYPE | | REGRESSED LENS TRIM TYPE | |
|-----|--------------|---------|--------------------------|-----------------|----------------------|-----------------|--------------------------|-----------------|
| | | | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) |
| L13 | W | 14.6 | 1283 | 87.9 | 1029 | 70.7 | 1040 | 71.4 |
| | M | 14.6 | 1281 | 87.7 | 1148 | 78.6 | 1149 | 78.7 |
| | N | 14.6 | 1283 | 87.9 | 1175 | 80.7 | 1181 | 81.1 |
| L22 | W | 24.0 | 2289 | 95.2 | 1781 | 74.0 | 1799 | 74.8 |
| | M | 24.0 | 2198 | 91.4 | 2020 | 84.0 | 2026 | 84.3 |
| | N | 24.0 | 2097 | 87.2 | 2033 | 84.5 | 2043 | 84.9 |
| L40 | W | 44.9 | 4028 | 89.7 | – | – | – | – |
| | M | 44.9 | 3905 | 87.0 | – | – | – | – |
| | N | 44.9 | 3738 | 83.3 | – | – | – | – |

MULTIPLIER TABLES

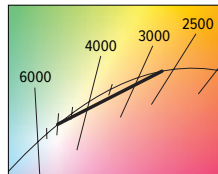
| COLOR TEMPERATURE | | |
|-------------------|--------|-------|
| CCT | LUMENS | WATTS |
| 2700K | 0.83 | 1.03 |
| 3000K | 1.00 | 1.00 |
| 3500K | 0.99 | 0.99 |
| 4000K | 1.00 | 1.00 |
| 5000K | 0.98 | 1.03 |

| TRIM OPTIONS | |
|----------------|-------------------|
| CATALOG NUMBER | CONVERSION FACTOR |
| AD | 0.85 |
| PD | 0.85 |
| TD | 0.75 |

| | REFLECTOR FINISH | |
|--------|-------------------|-------------------|
| | CATALOG NUMBER | CONVERSION FACTOR |
| O TRIM | CS | 1.00 |
| | SG ⁽¹⁾ | 0.92 |
| | GD | 0.93 |
| | CG | 0.96 |
| | PW | 0.86 |
| | SPC | 1.02 |
| | RG | 0.88 |
| R TRIM | WH ⁽¹⁾ | 0.89 |
| | BL ⁽¹⁾ | 0.47 |
| | WH | 1.00 |
| | CS ⁽¹⁾ | 0.98 |

| | |
|-------------------|------|
| BL ⁽¹⁾ | 0.79 |
| BZ ⁽¹⁾ | 0.76 |
| NK ⁽¹⁾ | 0.81 |
| SV ⁽¹⁾ | 0.81 |
| AL ⁽¹⁾ | 0.86 |

- Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results based on CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish, W Distribution, 80 CRI/4000K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

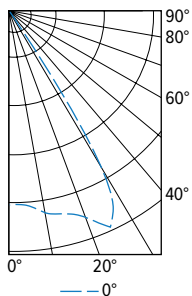


BEAM ANGLE

| | TRIM TYPE | | |
|---|-----------|-------|-----------|
| | OPEN | FLUSH | REGRESSED |
| W | 65° | 50° | 50° |
| M | 45° | 35° | 30° |
| N | 10° | 25° | 25° |

PHOTOMETRY

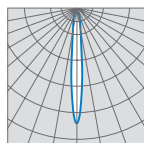
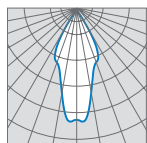
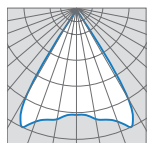
6CR-TL-10-L13/8TW-DIM-UNV-OW-CS Total Luminaire Output: 1283 lumens; 14.6 Watts | Efficacy: 87.9 lm/W | 80.0 CRI; 4000K CCT



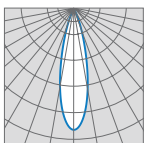
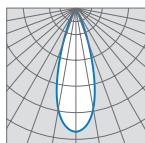
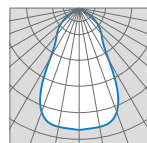
| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 1158 | |
| | 5 | 1193 | 114 |
| | 15 | 1254 | 356 |
| | 25 | 1428 | 660 |
| | 35 | 196 | 124 |
| | 45 | 28 | 22 |
| | 55 | 7 | 6 |
| | 65 | 1 | 1 |
| | 75 | 0 | 0 |
| | 85 | 0 | 0 |
| | 90 | 0 | 0 |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 40 | 1254 | 98 |
| | 0 - 60 | 1283 | 100 |
| | 0 - 90 | 1283 | 100 |
| | 0-180 | 1283 | 100 |

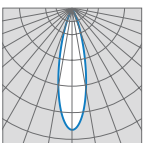
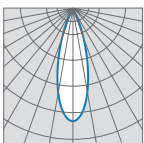
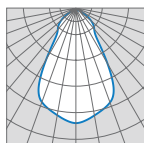
OPEN



FLUSH



REGRESSED



6CR tunable WHITE

6.5" Compact Cylinder – Round

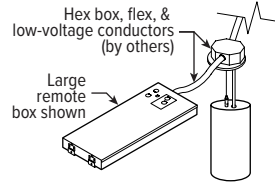
CONTROL/DRIVER DETAILS

DMX available with CM Mounting Type only.

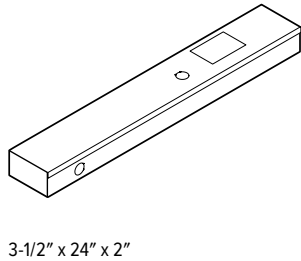
| DRIVER/CONTROL | DESCRIPTION | RDB DETAILS BY LUMEN STOP | | | |
|----------------|---|---------------------------|-----|-----|------|
| | | L13 | L22 | L40 | w/EM |
| DIM | Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications | RIM | RIM | RIM | RIL |
| DMX | Driver prewired for DMX applications | RIM | RIM | RIM | RIL |
| DALI | DALI dimming driver | RIM | RIM | RIM | RIL |
| LD2 | Lutron DALI-2 digital driver, 1% | RIM | RIM | RIM | RIL |
| AWNR/LD2 | Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1% | RIM | RIM | RIM | RIL |

REMOTE MOUNT DETAILS

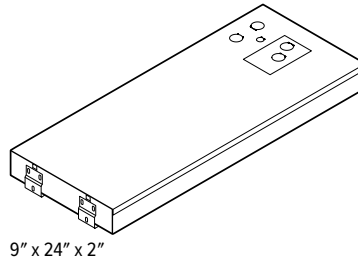
Max remote distance is 50' including suspension. Must be room-side accessible for maintenance.



MEDIUM



LARGE



REMOTE MOUNT KEY

| | |
|-----|--------------------------|
| RIM | RDB Required, Medium Box |
| RIL | RDB Required, Large Box |

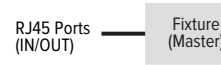
DIM



DALI



DMX



LUTRON T-SERIES

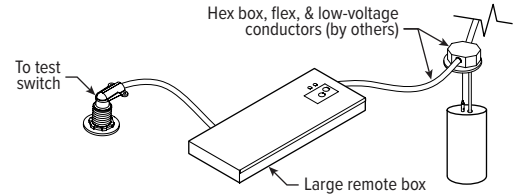


EMERGENCY BATTERY OPTIONS

Max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required.

| CATALOG NUMBER | DESCRIPTION |
|----------------|--|
| EM/7WRM/RTS | Remote mount 7-watt emergency battery with regressed test switch |
| EM/10WRM/RTS | Remote mount 10-watt emergency battery with regressed test switch |
| EM/12WRM/RTS | Remote mount 12-watt emergency battery with regressed test switch ^[1] |

¹ Not available when CEC regulations are required.



TRIMLOCK DETAILS

TWIST



PULL

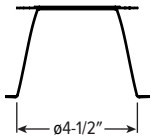


RELEASE

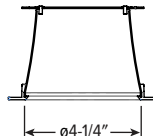


TRIM TYPE DETAILS

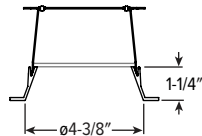
OPEN



FLUSH

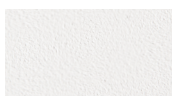


REGRESSED



HOUSING FINISH DETAILS

WHITE



BLACK



BRONZE



NICKEL



SILVER



ALUM



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

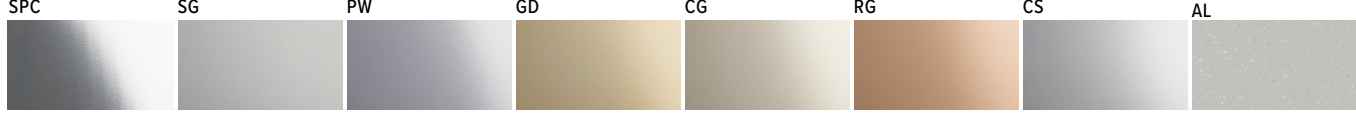


6CR tunable WHITE

6.5" Compact Cylinder – Round

REFLECTOR FINISH DETAILS

Smooth Finish



Textured Finish



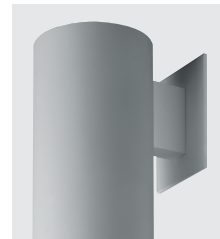
MOUNTING DETAILS

PENDANT MOUNT (PM__)

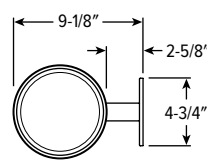


- Provided with:
- 45° Swivel canopy
 - 3/8" IPS Threaded stem
 - Specify length of stem, 6" minimum, 24" default length

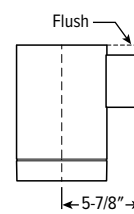
WALL MOUNT (WM)



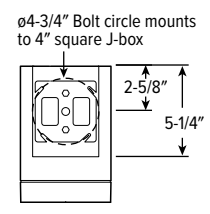
TOP VIEW



SIDE VIEW



BACK VIEW



SURFACE MOUNT (SM)



TwistLock™
Simple lift-and-twist mounting secures fixture to J-box.w

CABLE MOUNT (CM__)



- Provided with:
- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches.
 - 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - T-bar clip with 1/4-20 stud
 - Hard ceiling anchor provided by others

POWER CORD MOUNT (PC)



- Provided with:
- 18-gauge cord, see Cord Options for ordering info.
 - One 5" canopy
 - Power cord mounting adaptor

CORD OPTIONS

Must specify cord when cable and power cord mounting.

| ORDERING EXAMPLE: S2438/W | | | | |
|---------------------------|--------|--------------|------------|------------------------|
| CORD TYPE | LENGTH | # CONDUCTORS | WIRE SIZE | COLOR |
| S Straight | 24 | 3 | 8 18-gauge | Standard |
| | 24" | 3 | | /W White |
| | 48 | 4 | | /B Black |
| | 48" | 4 | | Braided ^[1] |
| | 96 | 5 | | /WH White |
| | 96" | 5 | | /BL Black |
| | | 6 | | /BR Brass |
| | | | | /AE Aegean Blue |
| | | | | /RE Red |
| | | | | /SV Silver |
| | | | | /GU Gunmetal |
| | | | | /NK Nickel |
| | | | | /GR Gray |

COLOR DETAILS

Additional colors may be available, consult factory.



¹ (5) conductors cord only.