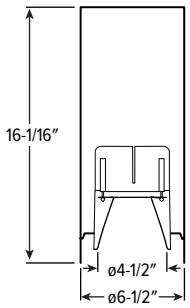
# 6CR dim to WARM
## 6.5″ Cylinder – Round




CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | Low UGR | TrimLock® | TwistLock™

ORDERING EXAMPLE: 6CR - TL - 16 - L24/9DW - OPTIONS - WHT - DIM1 - UNV - OW - CS - TRIM OPTIONS - CM
(HOUSING | TRIM | MOUNT.)

## HOUSING

| SERIES | HEIGHT | LUMENS [1] | COLOR | OPTIONS | HOUSING FINISH [2] | CONTROL | VOLTAGE |
|---|---|---|---|---|---|---|---|
| **6CR - TL** TrimLock | **16** 16″ | **L8** 800lm<br>**L15** 1,500lm<br>**L24** 2,400lm | **9DW** Dim to warm (95 CRI, 1800K – 3000K) | **EM/10WRM/RTS** Remote mount 10-watt emergency battery with regressed test switch [3]<br>**F** Fuse<br>**RDB** Remote mount control/ driver box, galvanized steel | **ALUM** Silver sparkle aluminum<br>**BLK** Textured black<br>**BRZ** Textured bronze<br>**NKL** Textured nickel<br>**SLV** Textured silver<br>**WHT** Textured white | *See page 3 for CONTROL DETAILS.*<br>**DIM1** 1% dimming driver (0-10V signal to control dimming and CCT)<br>**LUT** Lutron Ecosystem enabled | **UNV** 120-277V<br>**347** 347V |

## TRIM

### TRIM TYPE
- **O** Open reflector
- **F** Open reflector with frosted top diffuser
- **L** Flush lens
- **R** Regressed lens

### DISTRIBUTION
*See page 2 for BEAM ANGLE.*
- **W** Wide
- **M** Medium
- **N** Narrow

### REFLECTOR FINISH [4]

**Open Trim Types**
- **CS** Clear semi-specular anodize
- **SG** Satin-glow anodize
- **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

### TRIM OPTIONS
- **AD** Diffuse acrylic lens [5]
- **PD** Diffuse 1/8″ polycarbonate lens [6]

## MOUNTING

### MOUNTING TYPE [7]
- **CM__** Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [8]
- **PM__** Pendant mount. Example: 24″ pendant = **PM24** [9]
- **PC__** Power cord mount. Example: 24″ cord = **PC24** [10]
- **SM** TwistLock surface mount to octagonal J-box
- **WM** Wall mount

### NOTES
1. Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 95CRI/3000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2. See page 3 for HOUSING FINISH DETAILS.
3. Max remote distance 50′, including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for EMERGENCY BATTERY DETAILS.
4. See page 4 for REFLECTOR FINISH DETAILS.
5. Not available with O or F Trim Types. W Distribution only.
6. Not available with O or F Trim Types. W Distribution only.
7. See page 4 for MOUNTING DETAILS.
8. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
9. Specify length in 1″ increments, minimum 6″. Canopy and pendant match fixture housing color unless specified otherwise.
10. 48″ and 96″ lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

# 6CR dim to WARM
## 6.5" Cylinder – Round

### FEATURES

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- 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
- Comprehensive list of mounting options – pendant, cable, power cord, wall and ceiling
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Low UGR meets LEED and WELL requirements
- Made Right Here® in the USA

### 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 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- MOUNTING – Surface, cable, pendant, power cord, or wall mount. Indoor applications only. Max weight 9-1/2 lbs.
- 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.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

## FIXTURE PERFORMANCE DATA

| | CCT AT 100% (FULL OUTPUT) | CCT AT 1% (FULL DIM) | DIS. | WATTAGE | OPEN REFLECTOR DELIVERED LUMENS | OPEN REFLECTOR EFFICACY (lm/W) | FLUSH LENS DELIVERED LUMENS | FLUSH LENS EFFICACY (lm/W) | REGRESSED LENS DELIVERED LUMENS | REGRESSED LENS EFFICACY (lm/W) |
|---|---|---|---|---|---|---|---|---|---|---|
| L8 | 3000K | 1800K | W | 14.0 | 862 | 61.6 | 670 | 47.9 | 678 | 48.4 |
| | | | M | 14.0 | 830 | 59.3 | 760 | 54.3 | 763 | 54.5 |
| | | | N | 14.0 | 800 | 57.1 | 765 | 54.7 | 769 | 54.9 |
| L15 | | | W | 23.4 | 1511 | 64.6 | 1175 | 50.3 | 1188 | 50.8 |
| | | | M | 23.4 | 1455 | 62.3 | 1333 | 57.0 | 1337 | 57.2 |
| | | | N | 23.4 | 1402 | 60.0 | 1242 | 57.4 | 1348 | 57.7 |
| L24 | | | W | 37.7 | 2228 | 59.1 | 1925 | 51.1 | 1945 | 51.6 |
| | | | M | 37.7 | 2226 | 59.0 | 1995 | 52.9 | 1997 | 52.9 |
| | | | N | 37.7 | 2228 | 59.1 | 2197 | 58.3 | 2208 | 58.6 |

- 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, 95 CRI/3000K 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.

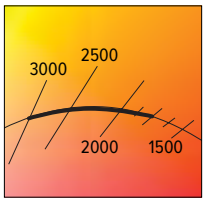
### BEAM ANGLE

| | TRIM TYPE [2] O | F | L | R |
|---|---|---|---|---|
| W | 65° | 60° | 50° | 50° |
| M | 45° | 50° | 35° | 30° |
| N | 10° | 25° | 25° | 25° |

### MULTIPLIER TABLES

| | 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 |
| | WH [1] | 0.89 |
| | BL [1] | 0.47 |
| R TRIM | 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 |

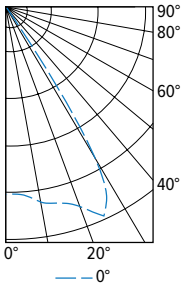
| TRIM OPTIONS CATALOG NUMBER | CONVERSION FACTOR |
|---|---|
| F | 0.75 |
| AD | 0.85 |
| PD | 0.85 |




1 Distribution will also be affected, consult factory.
2 Beam angle based on CS or WH Reflector Finish.

## PHOTOMETRY

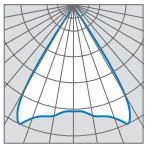
**6CR-TL-16-L24/9DW-DIM1-UNV-OW-CS** Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59.1 lm/W | 95.0 CRI; 3000K CCT

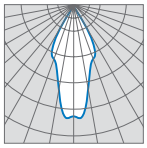


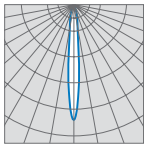

| CANDLEPOWER DISTRIBUTION VERTICAL ANGLE | HORIZONTAL ANGLE 0° | ZONAL LUMENS |
|---|---|---|
| 0 | 2011 | |
| 5 | 2071 | 198 |
| 15 | 2178 | 617 |
| 25 | 2479 | 1147 |
| 35 | 341 | 215 |
| 45 | 49 | 38 |
| 55 | 12 | 11 |
| 65 | 1 | 1 |
| 75 | 0 | 0 |
| 85 | 0 | 0 |
| 90 | 0 | |

| LUMEN SUMMARY ZONE | LUMENS | % FIXTURE |
|---|---|---|
| 0 - 40 | 2176 | 98 |
| 0 - 60 | 2226 | 100 |
| 0 - 90 | 2228 | 100 |
| 0-180 | 2228 | 100 |

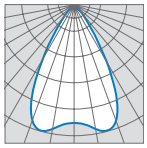
### OPEN (O)

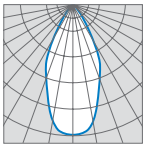

65° Wide

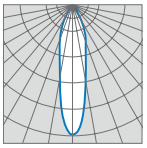

45° Medium


10° Narrow

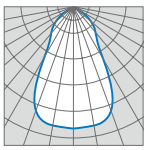
### OPEN TOP DIFFUSER (F)

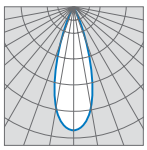

60° Wide

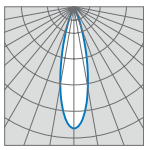

50° Medium


25° Narrow

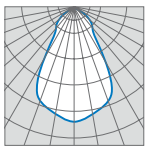
### FLUSH (L)

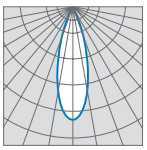

50° Wide

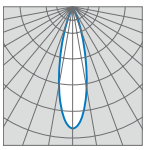

35° Medium


25° Narrow

### REGRESSED (R)


50° Wide


30° Medium


25° Narrow

# 6CR dim to WARM
## 6.5″ Cylinder – Round

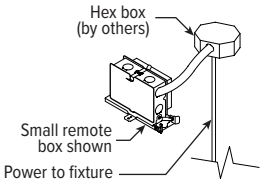
## CONTROL DETAILS

| CONTROL | DESCRIPTION | RDB DETAILS BY LUMEN STOP | | | |
|---|---|---|---|---|---|
| | | L8 | L15 | L24 | w/EM |
| DIM1 | 1% dimming driver (0-10V signal to control dimming and CCT) prewired for low voltage applications | O \| S | O \| S | O \| M | R \| L |
| LUT | Lutron Ecosystem enabled | O \| M | O \| M | O \| M | R \| L |

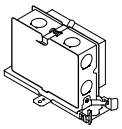
| REMOTE MOUNT KEY | |
|---|---|
| O \| S | RDB Optional, Small Box |
| O \| M | RDB Optional, Medium Box |
| R \| L | RDB Required, Large Box |

### REMOTE MOUNT DETAILS

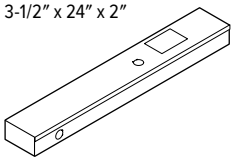
Max remote distance is 50′ including suspension length, connection by others. Must be room-side accessible for maintenance.



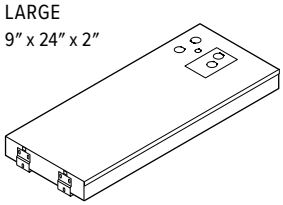

SMALL
Snap-in junction box
6-1/2″ x 3″ x 4-1/2″



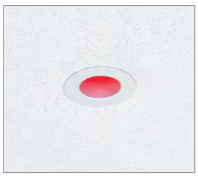
MEDIUM
3-1/2″ x 24″ x 2″



LARGE
9″ x 24″ x 2″

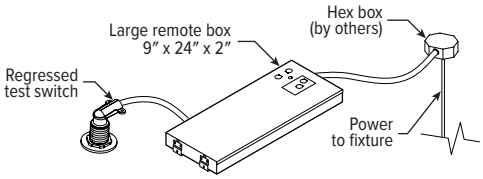


## EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4″

Max remote distance is 50′ including suspension length, connection by others.




## TRIMLOCK DETAILS

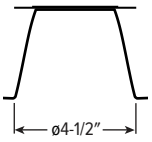
TWIST

PULL

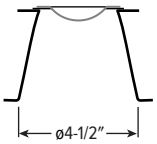
RELEASE

## TRIM TYPE DETAILS

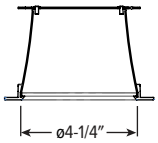
OPEN



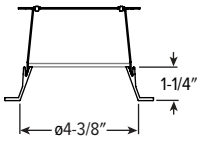

OPEN TOP DIFFUSER




FLUSH




REGRESSED




## HOUSING FINISH DETAILS

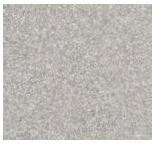
WHITE



BLACK

BRONZE

NICKEL



SILVER

ALUM

RAL#____

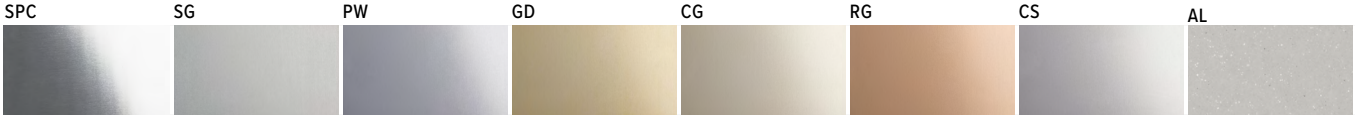
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

# 6CR dim to WARM
## 6.5″ Cylinder – Round

## REFLECTOR FINISH DETAILS

*Smooth Finish*

SPC SG PW GD CG RG CS AL



*Textured Finish*

WH BL BZ NK SV

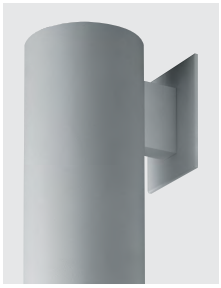
## MOUNTING DETAILS

### PENDANT MOUNT (PM__)

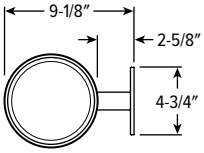
Provided with:

- 38° Swivel canopy
- 3/8″ IPS Threaded stem
- Specify length of stem, 6″ minimum, 24″ default length

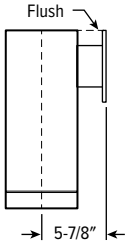
### WALL MOUNT (WM)



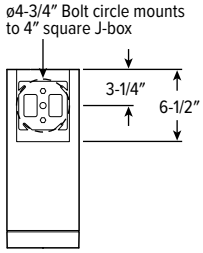
TOP VIEW




SIDE VIEW




BACK VIEW




### SURFACE MOUNT (SM)

TwistLock™

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

### 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** 24″<br>**48** 48″<br>**96** 96″ | **3** 3<br>**4** 4<br>**5** 5<br>**6** 6 | **8** 18-gauge | **Standard**<br>**/W** White<br>**/B** Black<br>**Braided** [1]<br>**/WH** White<br>**/BL** Black<br>**/BR** Brass<br>**/AE** Aegean Blue<br>**/RE** Red<br>**/SV** Silver<br>**/GU** Gunmetal<br>**/NK** Nickel<br>**/GR** Gray |

[1] (5) conductors cord only.

### COLOR DETAILS

Additional colors may be available, consult factory.

White Black Brass Aegean Blue Red

Silver Gunmetal Nickel Gray