# 6CR tunable WHITE
## 6.5" Cylinder – Round

**Williams**

16-1/16"

ø4-1/2"
ø6-1/2"

CATALOG #: _____

TYPE: _____

PROJECT: _____

*BUY AMERICAN ACT COMPLIANT*

**ORDERING EXAMPLE:** 6CR - TL - L13/8TW - OPTIONS - WHT - DIM - UNV - OW - CS - TRIM OPTIONS - CM

— HOUSING — | — TRIM — | MOUNT.

## HOUSING

| SERIES | LUMENS [1] | COLOR | OPTIONS | HOUSING FINISH [2] | CONTROL [3] | VOLTAGE |
|---|---|---|---|---|---|---|
| 6CR - TL | L13 1,300lm | 8TW Tunable white (80 CRI, 2700K-5000K) | *See page 4 for EMERGENCY BATTERY OPTIONS.* | ALUM Silver sparkle aluminum | DALI Driver prewired for DALI applications | UNV 120-277V |
| TrimLock | L22 2,200lm | | RDB Remote mount control/driver box, painted black [4] | BLK Textured black | DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT | |
| | L40 4,000lm | | | BRZ Textured bronze | | |
| | | | | NKL Textured nickel | DMX Driver prewired for DMX applications [5] | |
| | | | | SLV Textured silver | | |
| | | | | WHT Textured white | PSQ Lutron T-Series 2-channel tunable white 1%. | |

## TRIM

**TRIM TYPE**
- O Open reflector
- L Flush lens [8]
- R Regressed lens [9]

**DISTRIBUTION [6]**
- W 65° Wide
- M 45° Medium
- N 10° Narrow

**REFLECTOR FINISH [7]**

**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 [10]
- PD Diffuse 1/8" polycarbonate lens [11]
- TD Diffuse polycarbonate lens media at top of open reflector [12]

## 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

1. Lumen output based on O trim type, W distribution and CS finish, 4000K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2. See page 3 for HOUSING FINISH DETAILS.
3. See page 4 for CONTROL DETAILS.
4. Painted white available, specify RDB/WHT.
5. CM Mounting Type only.
6. Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
7. See page 3 for REFLECTOR FINISH DETAILS.
8. Not available with L40 Lumen Package.
9. Not available with L40 Lumen Package.
10. Not available with O trim type. W distribution only.
11. Not available with O trim type. W distribution only.
12. O Trim Type only.
13. See page 4 for MOUNTING DETAILS.
14. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
15. Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
16. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.

H.E. Williams, Inc. • Carthage, Missouri • www.hew.com • 417-358-4065 • Designed and Manufactured in the USA

Information contained herein is subject to change without notice. REV.09/19/23.LA

Cylinders
Page 1 of 4

# 6CR tunable WHITE
## 6.5" Cylinder – Round

## FEATURES

**TrimLock® | TwistLock™**

- 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
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic

## 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. 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.
  - 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 |
| L13 | M | 14.6 | 1281 | 87.7 | 1148 | 78.6 | 1149 | 78.7 |
| L13 | 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 |
| L22 | M | 24.0 | 2198 | 91.4 | 2020 | 84.0 | 2026 | 84.3 |
| L22 | N | 24.0 | 2097 | 87.2 | 2033 | 84.5 | 2043 | 84.9 |
| L40 | W | 44.9 | 4028 | 89.7 | – | – | – | – |
| L40 | M | 44.9 | 3905 | 87.0 | – | – | – | – |
| L40 | 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**

| 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 |
| | 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 |

**1** Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
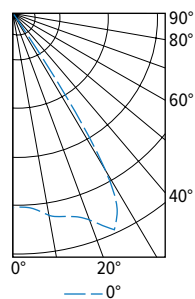- Use multiplier tables to calculate additional options.
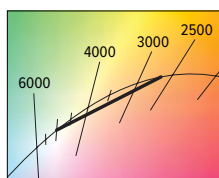
### BEAM ANGLE

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

## PHOTOMETRY

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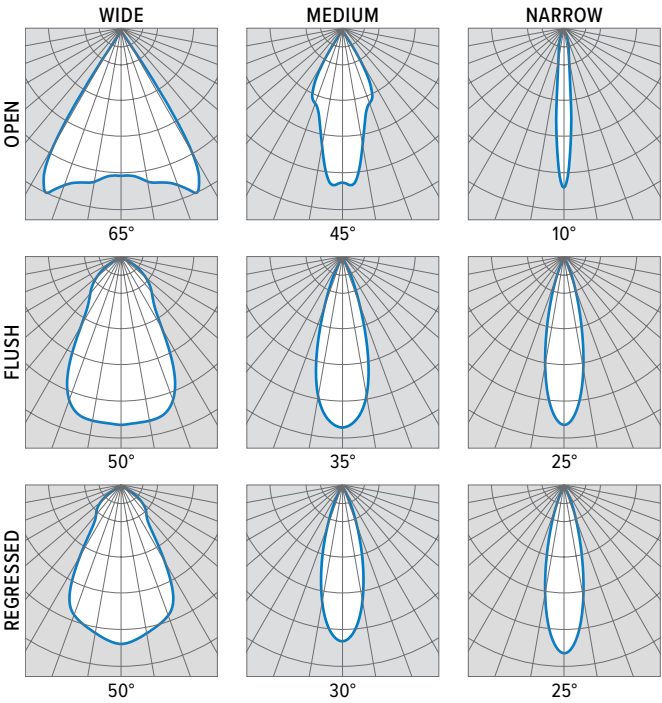
**CANDLEPOWER DISTRIBUTION**

| VERTICAL ANGLE | HORIZONTAL ANGLE 0° | ZONAL LUMENS |
|---|---|---|
| 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 | |

**LUMEN SUMMARY**

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

H.E. Williams, Inc. • Carthage, Missouri • www.hew.com • 417-358-4065 • Designed and Manufactured in the USA
Information contained herein is subject to change without notice. REV.09/19/23.LA

Cylinders
Page 2 of 4

# 6CR tunable WHITE
## 6.5" Cylinder – Round

|  | WIDE | MEDIUM | NARROW |
|---|---|---|---|
| OPEN | 65° | 45° | 10° |
| FLUSH | 50° | 35° | 25° |
| REGRESSED | 50° | 30° | 25° |

## TRIMLOCK DETAILS

**TWIST**

**PULL**

**RELEASE**

## TRIM TYPE DETAILS

**OPEN**
ø4-1/2"

**FLUSH**
ø4-1/4"

**REGRESSED**
ø4-3/8"
1-1/4"

## HOUSING FINISH DETAILS
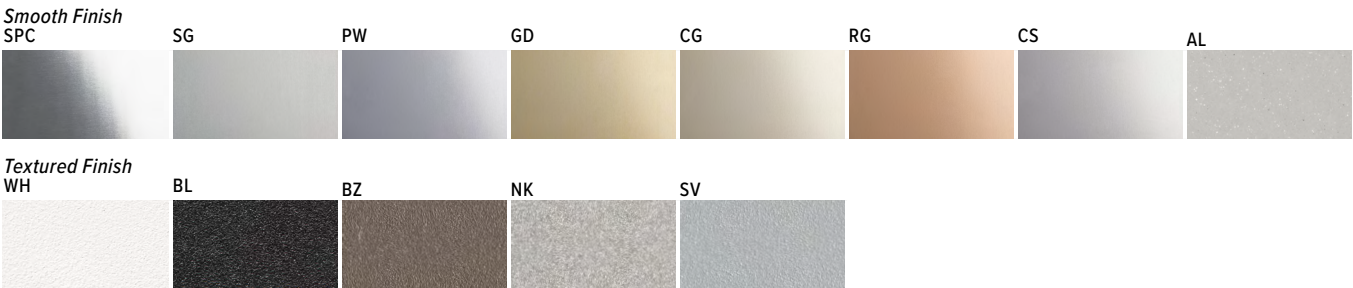
| WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUM |
|---|---|---|---|---|---|
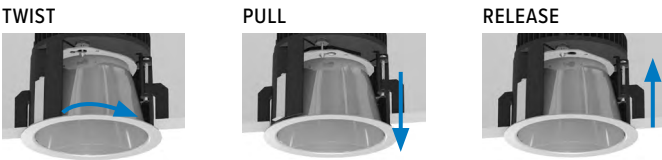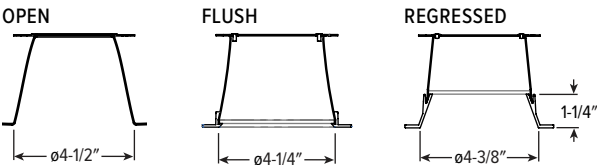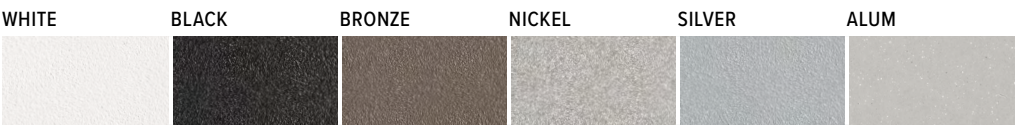
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

## REFLECTOR FINISH DETAILS

*Smooth Finish*

| SPC | SG | PW | GD | CG | RG | CS | AL |
|---|---|---|---|---|---|---|---|

*Textured Finish*

| WH | BL | BZ | NK | SV |
|---|---|---|---|---|

H.E. Williams, Inc. ▪ Carthage, Missouri ▪ www.hew.com ▪ 417-358-4065 ▪ Designed and Manufactured in the USA
Information contained herein is subject to change without notice.    REV.09/19/23.LA

Cylinders
Page 3 of 4

# 6CR tunable WHITE
## 6.5" Cylinder – Round

## EMERGENCY BATTERY OPTIONS

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

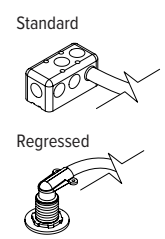| CATALOG NUMBER | DESCRIPTION |
|---|---|
| EM/7WRM | Remote mount 7-watt emergency battery |
| EM/7WRM/RTS | Remote mount 7-watt emergency battery with regressed test switch [1] |
| EM/10WRM | Remote mount 10-watt emergency battery |
| EM/10WRM/RTS | Remote mount 10-watt emergency battery with regressed test switch [1] |
| EM/12WRM | Remote mount 12-watt emergency battery [2] |
| EM/12WRM/RTS | Remote mount 12-watt emergency battery with regressed test switch [1] [2] |

**1** For use in grid ceiling installations only.     **2** Not available when CEC regulations are required.

### RDB OPTION DETAILS

Hex box, flex, & low-voltage conductors (by others)

To test switch

Remote box
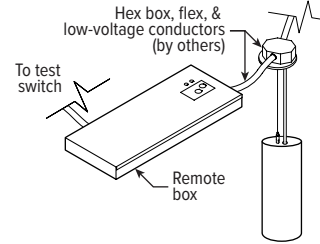
### TEST SWITCH DETAILS

Standard

Regressed

## MOUNTING DETAILS

### PENDANT MOUNT (PM__)

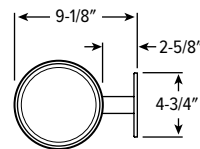Swivel pendant mount fixtures are provided with:
- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length
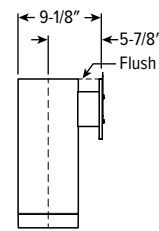
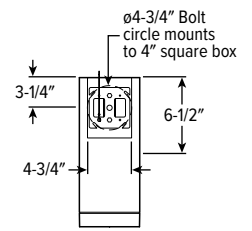### WALL MOUNT (WM)

Mounts to 4" square J-box.

**TOP VIEW**

9-1/8"
2-5/8"
4-3/4"

**SIDE VIEW**

9-1/8"
5-7/8"
Flush

**BACK VIEW**

ø4-3/4" Bolt circle mounts to 4" square box
3-1/4"
6-1/2"
4-3/4"

### SURFACE MOUNT (SM)

**TwistLock™**

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

### CABLE MOUNT (CM__)

Cable mount fixtures are provided with:
- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches.
- 18-gauge cord in choice of 9 colors, 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)

Power cord mount fixtures are provided with:
- 18-gauge cord in choice of 9 colors, 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><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

## CONTROL DETAILS

**DIM**

DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

**DALI**

DALI +
DALI -
Fixture 1

**DMX**

RJ45 Ports (IN/OUT)
Fixture (Master)

**LUTRON T-SERIES**

T1
T2
Fixture 1

H.E. Williams, Inc.    •    Carthage, Missouri    •    www.hew.com    •    417-358-4065    •    Designed and Manufactured in the USA

Information contained herein is subject to change without notice.    REV.09/19/23.LA

Cylinders
Page 4 of 4