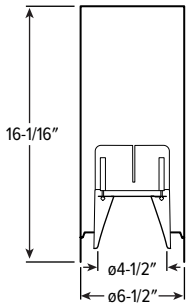
6CR dim to WARM
6.5″ Cylinder – Round



CATALOG #:

TYPE:

PROJECT:

BUY AMERICAN ACT COMPLIANT

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

HOUSING

SERIES
- **6CR - TL** TrimLock

LUMENS [1]
- **L8** 800lm
- **L15** 1,500lm
- **L24** 2,400lm

COLOR
- **9DW** Dim to warm (95 CRI, 1800K – 3000K)

OPTIONS
See page 4 for EMERGENCY BATTERY OPTIONS.
- **F** Fuse
- **SDT** Stepdown transformer [3]
- **RDB** Remote mount control/driver box, painted black [4]

HOUSING FINISH [2]
- **ALUM** Silver sparkle aluminum
- **BLK** Textured black
- **BRZ** Textured bronze
- **NKL** Textured nickel
- **SLV** Textured silver
- **WHT** Textured white

CONTROL
- **DIM1** 1% dimming driver (0-10V signal to control dimming and CCT)
- **LUT** Lutron Ecosystem enabled

VOLTAGE
- **UNV** 120-277V
- **347** 347V

TRIM

TRIM TYPE
- **O** Open reflector
- **L** Flush lens
- **R** Regressed lens

DISTRIBUTION [5]
- **W** 65° Wide
- **M** 45° Medium
- **N** 10° Narrow

REFLECTOR FINISH [6]

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 [7]
- **PD** Diffuse 1/8″ polycarbonate lens [8]
- **TD** Diffuse polycarbonate lens media at top of open reflector [9]

MOUNTING

MOUNTING TYPE [10]
- **CM__** Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [11]
- **PM__** Pendant mount. Example: 24″ pendant = **PM24** [12]
- **PC__** Power cord mount. Example: 24″ cord = **PC24** [13]
- **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, 3000K/95CR. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2. See page 3 for HOUSING FINISH DETAILS.
3. May be required for 347V, see product builder at hew.com/product-builder. Increases fixture weight by 2 lbs.
4. Painted white available, specify RDB/WHT.
5. Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
6. See page 3 for REFLECTOR FINISH DETAILS.
7. Not available with O trim type. W distribution only.
8. Not available with O trim type. W distribution only.
9. O Trim Type only.
10. See page 4 for MOUNTING DETAILS.
11. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
12. Specify length in 1″ increments, minimum 6″. Canopy and pendant match fixture housing color unless specified otherwise.
13. 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

TrimLock® | TwistLock™

- Mimic the comfortable, welcoming glow of incandescent with warm-dimming technology
- Wide range of lumen options for general illumination
- 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
- 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

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.
  - 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

	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	DISTRIBUTION	WATTAGE	OPEN REFLECTOR TRIM TYPE DELIVERED LUMENS	OPEN REFLECTOR TRIM TYPE EFFICACY (lm/W)	FLUSH LENS TRIM TYPE DELIVERED LUMENS	FLUSH LENS TRIM TYPE EFFICACY (lm/W)	REGRESSED LENS TRIM TYPE DELIVERED LUMENS	REGRESSED LENS TRIM TYPE 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

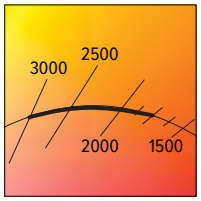
MULTIPLIER TABLES

	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

	CATALOG NUMBER	CONVERSION FACTOR
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

BEAM ANGLE

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



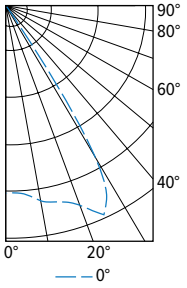
1 Distribution will also be affected, consult factory.

- 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 3000K/95CRI, 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.

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

PHOTOMETRY

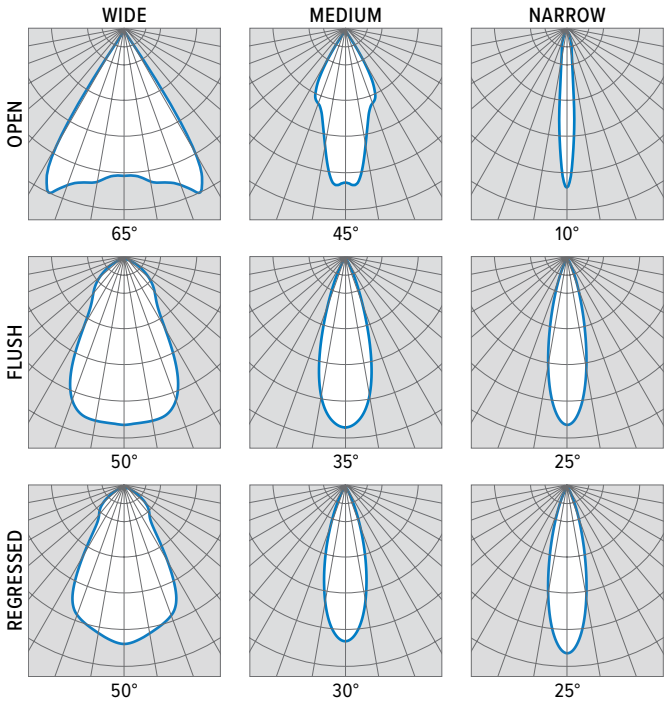
6CR-TL-L24/9DW-DIM1-UNV-OW-CS Total Luminaire Output: 2228 lumens; 37.7 Watts | Efficacy: 59.1 lm/W | 95.0 CRI; 3000K CCT



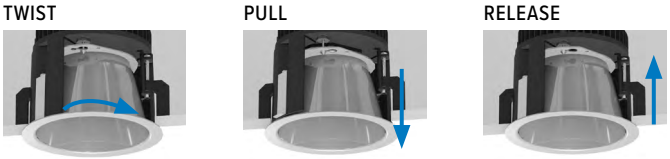
CANDLEPOWER DISTRIBUTION VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
0	2011	
5	2071	198
15	2178	617
25	2479	1147
35	341	215
45	49	38
55	12	11
65	1	1
75	0	0
85	0	0
90	0	

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

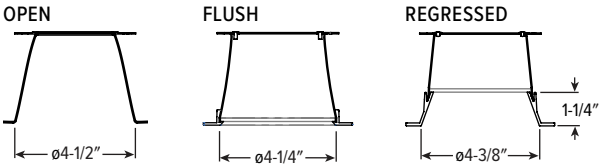
6CR dim to WARM
6.5″ Cylinder – Round



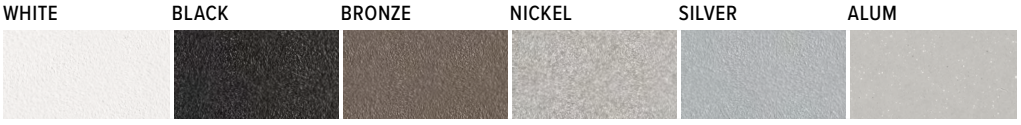
TRIMLOCK DETAILS



TRIM TYPE DETAILS



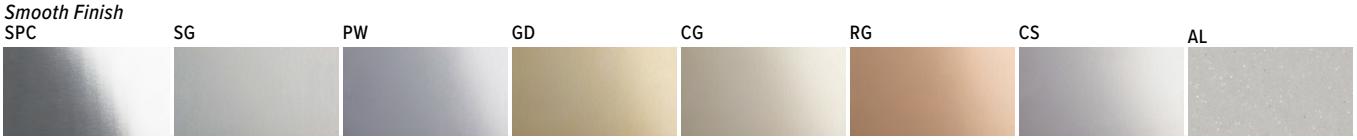
HOUSING FINISH DETAILS



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



Textured Finish

6CR dim to WARM
6.5″ Cylinder – Round

EMERGENCY BATTERY OPTIONS

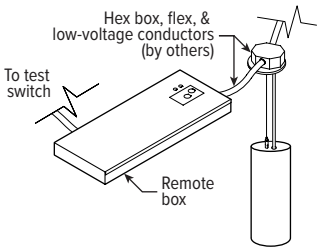
Max remote distance 50′, including suspension length. Specify CEC in the option code when California Energy Commission regulations are required.

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]

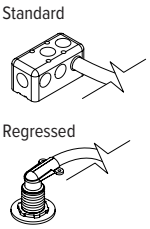
[1] For use in grid ceiling installations only.

[2] Not available when CEC regulations are required.

RDB OPTION DETAILS



TEST SWITCH DETAILS



MOUNTING DETAILS

PENDANT MOUNT (PM__)

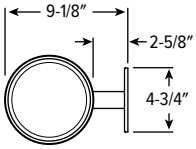
Swivel pendant mount fixtures are provided with:

- 45° Swivel canopy
- 3/8″ IPS Threaded stem
- Specify length of stem, 6″ minimum, 24″ default length

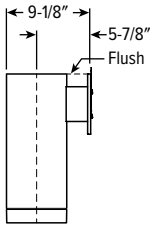
WALL MOUNT (WM)

Mounts to 4″ square J-box.

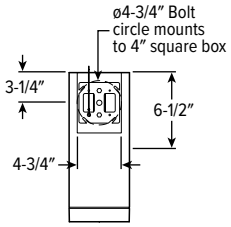
TOP VIEW



SIDE VIEW



BACK VIEW



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