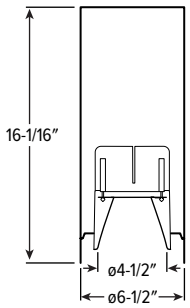
6CR tunable WHITE
6.5″ Cylinder – Round



CATALOG #:

TYPE:

PROJECT:

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

ORDERING EXAMPLE: 6CR - TL - 16 - L13/8TW - OPTIONS - WHT - CONTROL/DIM - UNV - OW - CS - TRIM OPTIONS - CM
(HOUSING | TRIM | MOUNT.)

HOUSING

SERIES	HEIGHT	LUMENS [1]	COLOR	OPTIONS	HOUSING FINISH [2]
6CR - TL TrimLock	**16** 16″	**L13** 1,300lm **L22** 2,200lm **L40** 4,000lm	**8TW** Tunable white (80 CRI, 2700K-5000K)	**EM/10WRM/RTS** Remote mount 10-watt emergency battery with regressed test switch [3] **RDB** Remote mount control/driver box, galvanized steel	**ALUM** Silver sparkle aluminum **BLK** Textured black **BRZ** Textured bronze **NKL** Textured nickel **SLV** Textured silver **WHT** Textured white

CONTROL

See page 3 for CONTROL/DRIVER DETAILS.

- **–** None
- **AWNR** 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

- **O** Open reflector
- **F** Open reflector with frosted top diffuser
- **L** Flush lens [7]
- **R** Regressed lens [8]

DISTRIBUTION

See page 2 for BEAM ANGLE.

- **W** Wide
- **M** Medium
- **N** 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 [9]
- **PD** Diffuse 1/8″ polycarbonate lens [10]

MOUNTING

MOUNTING TYPE [11]

- **CM__** Adjustable aircraft cable mount, 24″, 48″, 96″, or 144″ only, must specify. Example: 24″ cable = **CM24** [12]
- **PM__** Pendant mount. Example: 24″ pendant = **PM24** [13]
- **PC__** Power cord mount. Example: 24″ cord = **PC24** [14]
- **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, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
2. See page 4 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. LD2 Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
5. Installed in medium remote box, must specify RDB Option.
6. See page 4 for REFLECTOR FINISH DETAILS.
7. Not available with L40 Lumen Package.
8. Not available with L40 Lumen Package.
9. Not available with O or F Trim Types. W Distribution only.
10. Not available with O or F Trim Types. W Distribution only.
11. See page 5 for MOUNTING DETAILS.
12. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.
13. Specify length in 1″ increments, minimum 6″. Canopy and pendant match fixture housing color unless specified otherwise.
14. 48″ and 96″ lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.

6CR tunable WHITE
6.5" Cylinder – Round

FEATURES

- 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
- Made Right Here® in the USA

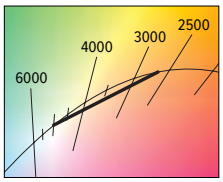
SPECIFICATIONS

- 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 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.
  - 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

			OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
	DISTRIBUTION	WATTAGE	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	–	–	–	–

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

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

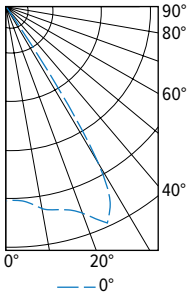
TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.75
AD	0.85
PD	0.85

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

	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

PHOTOMETRY

6CR-TL-16-L13/8TW-DIM-UNV-OW-CS Total Luminaire Output: 1283 lumens; 14.6 Watts | Efficacy: 87.9 lm/W | 80.0 CRI; 4000K CCT



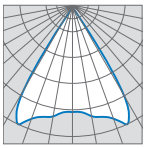
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	1158	
	5	1193	114
	15	1254	356
	25	1428	660
	35	196	124
	45	28	22
	55	7	6
	65	1	1
	75	0	0
	85	0	0
	90	0	

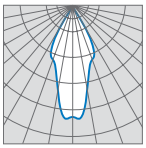
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1254	98
	0 - 60	1283	100
	0 - 90	1283	100
	0-180	1283	100

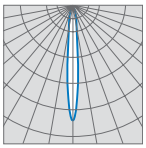
PHOTOMETRY CONTINUED ON NEXT PAGE.

6CR tunable WHITE
6.5″ Cylinder – Round

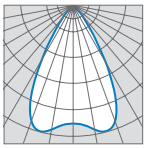
OPEN (O)

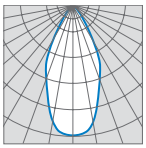

65° Wide

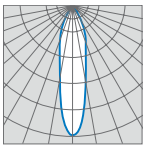

45° Medium


10° Narrow

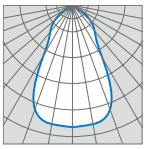
OPEN TOP DIFFUSER (F)

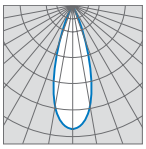

60° Wide

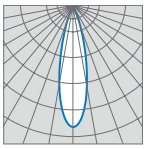

50° Medium


25° Narrow

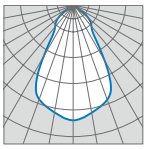
FLUSH (L)

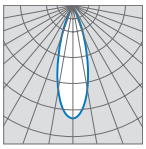

50° Wide

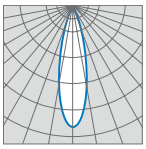

35° Medium


25° Narrow

REGRESSED (R)


50° Wide


30° Medium

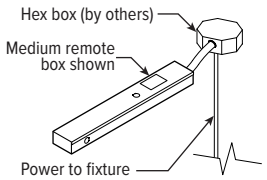

25° Narrow

CONTROL/DRIVER DETAILS

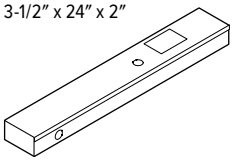
CONTROL/ DRIVER	DESCRIPTION	RDB DETAILS BY LUMEN STOP			
		L13	L22	L40	w/EM
DIM	Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT prewired for low voltage applications	O I M	O I M	O I M	R I L
DMX	Driver prewired for DMX applications	R I M	R I M	R I M	R I L
DALI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

REMOTE MOUNT DETAILS

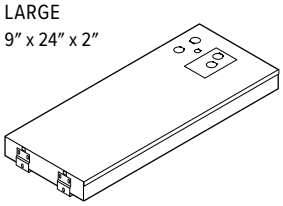
Max remote distance is 50′ including suspension length, connection by others. Must be room-side accessible for maintenance.



MEDIUM
3-1/2″ x 24″ x 2″



LARGE
9″ x 24″ x 2″



REMOTE MOUNT KEY	
O I M	RDB Optional, Medium Box
R I M	RDB Required, Medium Box
R I L	RDB Required, Large Box

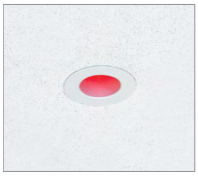
DIM

DALI

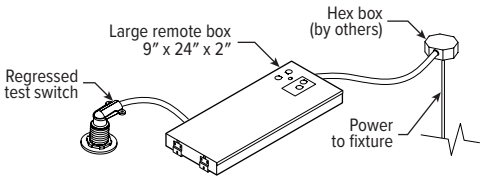
DMX

LD2

EMERGENCY BATTERY DETAILS


Regressed test switch
ø1-3/4″

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



TRIMLOCK DETAILS

TWIST

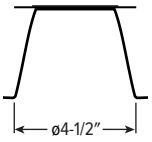
PULL

RELEASE

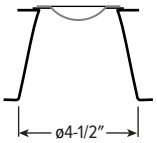
6CR tunable WHITE
6.5″ Cylinder – Round

TRIM TYPE DETAILS

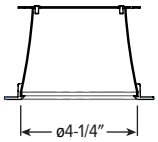
OPEN



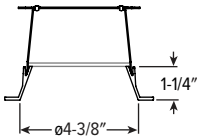
OPEN TOP DIFFUSER



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.

REFLECTOR FINISH DETAILS

Smooth Finish

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

Textured Finish

WH | BL | BZ | NK | SV

SEE NEXT PAGE FOR MOUNTING DETAILS.

6CR tunable WHITE
6.5″ Cylinder – Round

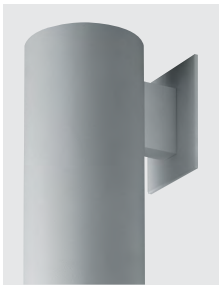
MOUNTING DETAILS

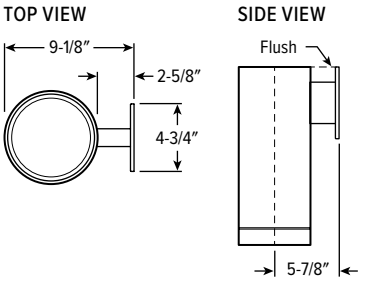
PENDANT MOUNT (PM__)

Provided with:

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

WALL MOUNT (WM)





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″ **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