

PROJECT: _____



TrimLock® TwistLock™

HOUSING

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

CONTROL	DRIVER	VOLTAGE
See page 3 for CONTROL/DRIVER DETAILS.	See page 3 for CONTROL/DRIVER DETAILS.	UNV 120-277V
– None	DALI Driver prewired for DALI applications	
AWNR Lutron Athena wireless node integral fixture control, RF only ^[4]	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%	

TRIM

TRIM TYPE	DISTRIBUTION	REFLECTOR FINISH ^[6]	TRIM OPTIONS
O Open reflector	<i>See page 2 for BEAM ANGLE.</i>	Open Trim Types	AD Diffuse acrylic lens ^[9]
F Open reflector with frosted top diffuser		CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[10]
L Flush lens ^[7]	W Wide	SG Satin-glow anodize	
R Regressed lens ^[8]	M Medium	GD Gold anodize	
	N Narrow	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 ^[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.
- 5 CM Mounting Type only.
- 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" 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
- Made Right Here® in the USA

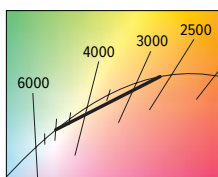
SPECIFICATIONS

- 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.
- 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

	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	–	–	–	–

- 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

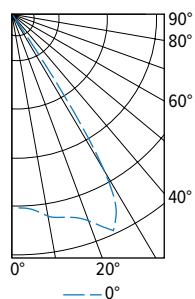
TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
F	0.75
AD	0.85
PD	0.85

- 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
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

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



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	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

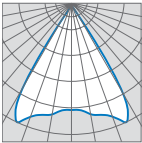
PHOTOMETRY CONTINUED ON NEXT PAGE.



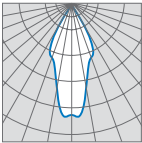
6CR tunable WHITE

6.5" Compact Cylinder – Round

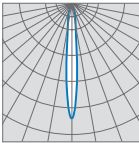
OPEN (O)



65° Wide

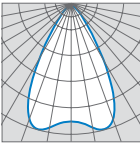


45° Medium

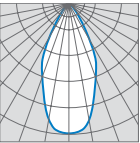


10° Narrow

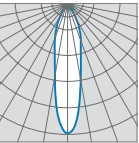
OPEN TOP DIFFUSER (F)



60° Wide

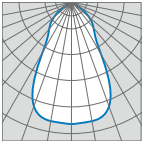


50° Medium

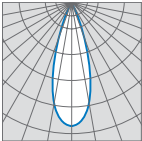


25° Narrow

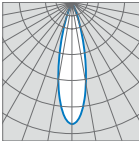
FLUSH (L)



50° Wide

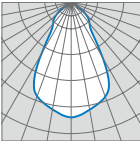


35° Medium

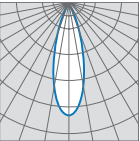


25° Narrow

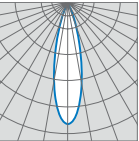
REGRESSED (R)



50° Wide



30° Medium



25° Narrow

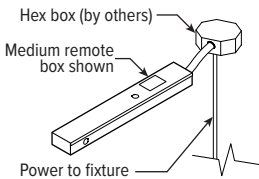
CONTROL/DRIVER DETAILS

DMX available with CM Mounting Type only.

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	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
AWNRLD2	Lutron Athena wireless node integral fixture control, RF only, for use with DALI-2 digital driver, 1%	RIM	RIM	RIM	RIL

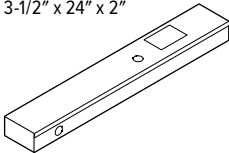
REMOTE MOUNT DETAILS

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



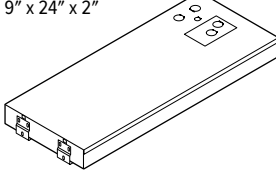
MEDIUM

3-1/2" x 24" x 2"



LARGE

9" x 24" x 2"



REMOTE MOUNT KEY

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

DIM



DALI



DMX



LD2

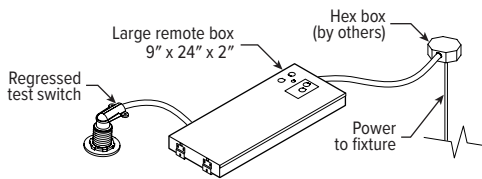


EMERGENCY BATTERY DETAILS



Regressed test switch
ø1-3/4"

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



TRIMLOCK DETAILS

TWIST



PULL



RELEASE

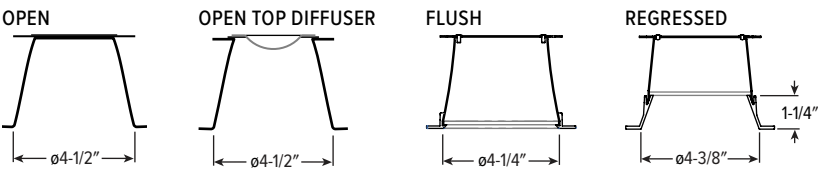


6CR

tunable WHITE

6.5" Compact Cylinder – Round

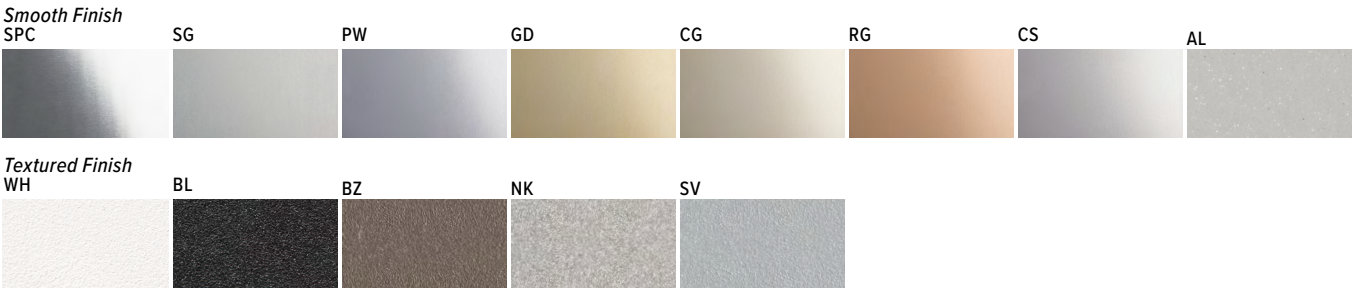
TRIM TYPE DETAILS



HOUSING FINISH DETAILS

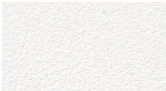


REFLECTOR FINISH DETAILS



Textured Finish

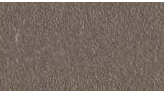
WH



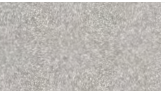
BL



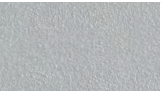
BZ



NK



SV



SEE NEXT PAGE FOR MOUNTING DETAILS.

6CR

tunable WHITE

6.5" Compact Cylinder – Round

MOUNTING DETAILS

PENDANT MOUNT (PM__)

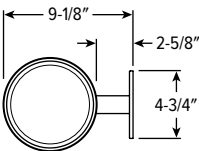


- Provided with:
- 38° Swivel canopy
 - 3/8" IPS Threaded stem
 - Specify length of stem, 6" minimum, 24" default length

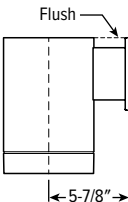
WALL MOUNT (WM)



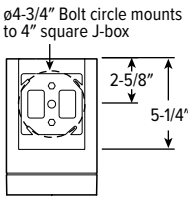
TOP VIEW



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" 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.

