

CATALOG #: _____

TYPE: _____

PROJECT: _____

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
- Precision illumination with 10° narrow to 65° wide optics
- 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

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, tempered glass 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 damp locations.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

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

HOUSING TRIM MOUNT

HOUSING

SERIES	LUMENS ^[1]	COLOR	HOUSING FINISH ^[2]	CONTROL ^[3]	VOLTAGE
6CR - TL	L13 1,300lm	8TW Tunable white (80 CRI, 2700K-5000K)	ALUM Silver sparkle aluminum	DALI Driver prewired for DALI applications	UNV 120-277V
TrimLock	L22 2,200lm		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	DMX Driver prewired for DMX applications ^[4]	
			NKL Textured nickel	PSQ Lutron T-Series 2-channel tunable white 1%.	
			SLV Textured silver		
			WHT Textured white		

TRIM

TRIM TYPE	DISTRIBUTION ^[5]	REFLECTOR FINISH ^[6]	TRIM OPTIONS
O Open reflector	W 65° Wide	Open Trim Types	AD Diffuse acrylic lens ^[9]
L Flush lens ^[7]	M 45° Medium	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[10]
R Regressed lens ^[8]	N 10° Narrow	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector ^[11]
		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	

MOUNTING

MOUNTING TYPE ^[12]

CM	Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = CM24 ^[13]
PM	Pendant mount. Example: 24" pendant = PM24 ^[14]
PC	Power cord mount. Example: 24" cord = PC24 ^[15]
SM	TwistLock surface mount to octagonal J-box
WM	Wall mount

NOTES

- 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.
- See page 4 for HOUSING FINISH DETAILS.
- See page 4 for CONTROL DETAILS.
- CM Mounting Type only.
- Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for REFLECTOR FINISH DETAILS.
- Not available with L40 Lumen Package.
- Not available with L40 Lumen Package.
- Not available with O trim type. W distribution only.
- Not available with O trim type. W distribution only.
- O Trim Type only.
- See page 3 for MOUNTING DETAILS.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 3 for CORD OPTIONS.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 3 for CORD OPTIONS.



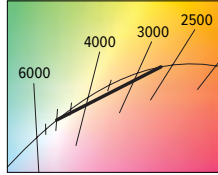
6CR tunable WHITE

6.5" Cylinder – Round

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	–	–	–	–

- 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%
 - 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°

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

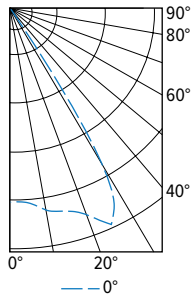
TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75

REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
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	
CATALOG NUMBER	CONVERSION FACTOR
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

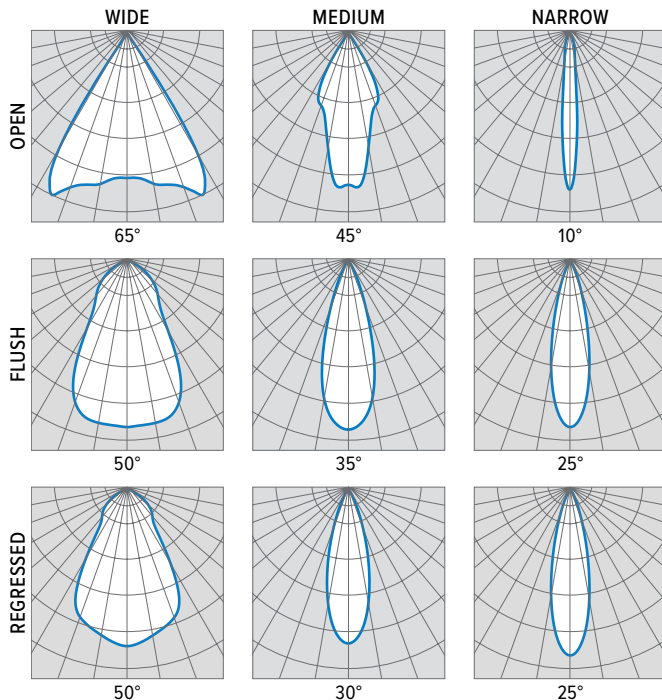
PHOTOMETRY

6CR-TL-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	ZONAL LUMENS
		0°	
	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



6CR tunable WHITE

6.5" Cylinder – Round

TRIMLOCK DETAILS

TWIST



PULL

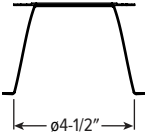


RELEASE

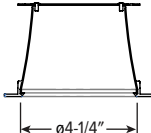


TRIM TYPE DETAILS

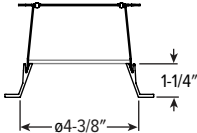
OPEN



FLUSH



REGRESSED



MOUNTING DETAILS

PENDANT MOUNT (PM__)



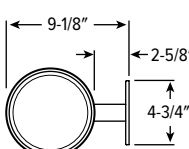
Swivel pendant mount fixtures are provided with:

- 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.



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 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"	3 3	8 18-gauge	Standard
	48 48"	4 4 ⁽¹⁾		/W White
	96 96"	5 5		/B Black
		6 6 ⁽¹⁾		Braided
				/WH White
				/BL Black
				/BR Brass
				/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

¹ Standard cord only.

COLOR DETAILS

Additional colors may be available, consult factory.

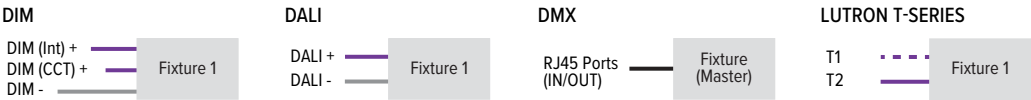


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6.5" Cylinder – Round

CONTROL DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS

