

CATALOG #: _____

TYPE: _____

PROJECT: _____



TrimLock® TwistLock®

FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Engineered to deliver great performance in a sleek, space-saving design
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Parallel the performance and style of the Williams downlight collection
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Superior optical control with beams as narrow as 10° and field changeable optics as wide as 65°

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. Low-voltage DC fixture, to be fed by Class 2 power supply. 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, 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

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system.
- For additional PoE info, see hew.com/poe

ORDERING EXAMPLE: **8CR - TL - 12 - P29/835 - WHT - POE PR** - **OW - CS - TRIM OPTIONS** - **CM**
HOUSING TRIM MOUNT.

HOUSING

SERIES	HEIGHT	LUMENS ^[1]	CRI	CCT	HOUSING FINISH ^[2]	CONTROL ^[3]
8CR - TL TrimLock	12 12"	P16 1,600lm	8 80	27 2700K	ALUM Silver sparkle aluminum	POE PR Power over Ethernet-ready
		P29 2,900lm	9 90 ^[4]	30 3000K	BLK Textured black	
		P46 4,600lm		35 3500K	BRZ Textured bronze	
		P62 6,200lm		40 4000K	NKL Textured nickel	
				50 5000K	SLV Textured silver	
				TW Tunable white (80 CRI, 2700K–5000K) ^[5]	WHT Textured white	

TRIM

TRIM TYPE	DISTRIBUTION	REFLECTOR FINISH ^[6]	TRIM OPTIONS
O Open reflector	See page 2 for BEAM ANGLE .	Open Trim Types	AD Diffuse acrylic lens ^[10]
F Open reflector with frosted top diffuser ^[7]		CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[11]
L Flush lens	W Wide	SG Satin-glow anodize	
R Regressed lens	M Medium ^[8]	GD Gold anodize	
	N Narrow ^[9]	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", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** ^[13]
- PM** Pendant mount. Example: 24" pendant = **PM24** ^[14]
- SM** TwistLock surface mount to octagonal J-box
- WM** Wall mount

NOTES

- Lumen output based on O Trim Type, W Distribution and CS Reflector Finish, 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 3 for HOUSING FINISH DETAILS.
- For additional PoE connection details, consult factory.
- Not available with Tunable White.
- Not available with P46 and P62 lumen stops when specified with flush or regressed Trim Types.
- See page 3 for REFLECTOR FINISH DETAILS.
- Not available with P62 lumen package.
- Not available with P46 and P62 lumen stops when specified with flush or regressed Trim Types.
- Not available with P46 and P62 lumen stops when specified with flush or regressed Trim Types.
- Not available with O or F Trim Types. W Distribution only.
- Not available with O or F Trim Types. W Distribution only.
- See page 4 for MOUNTING DETAILS.
- Canopy painted white unless specified otherwise.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.



FIXTURE PERFORMANCE DATA

STATIC WHITE

	DIST.	WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P16	W	12.3	1611	131	1344	109	1301	106
	M	12.3	1563	127	1449	118	1409	115
	N	12.3	1495	122	1457	118	1420	115
P29	W	25.0	2947	118	2454	98	2375	95
	M	25.0	2855	114	2645	106	2573	103
	N	25.0	2731	109	2661	106	2593	104
P46	W	37.5	4582	122	3818	102	3695	99
	M	37.5	4442	118	—	—	—	—
	N	37.5	4252	113	—	—	—	—
P62	W	50.0	6158	123	5145	103	4980	100
	M	50.0	5970	119	—	—	—	—
	N	50.0	5715	114	—	—	—	—

TUNABLE WHITE

	DIST.	WATTAGE	OPEN REFLECTOR		FLUSH LENS		REGRESSED LENS	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P16	W	12.3	1343	109	1120	91	1084	88
	M	12.3	1303	106	1207	98	1175	96
	N	12.3	1246	101	1215	99	1184	96
P29	W	25.0	2728	109	2273	91	2200	88
	M	25.0	2645	106	2450	98	2383	95
	N	25.0	2531	101	2464	99	2402	96
P46	W	37.5	4070	109	3400	91	3291	88
	M	37.5	3945	105	—	—	—	—
	N	37.5	3776	101	—	—	—	—
P62	W	43.5	4721	109	3944	91	3817	88
	M	43.5	4576	105	—	—	—	—
	N	43.5	4381	101	—	—	—	—

MULTIPLIER TABLES

	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98

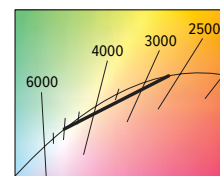
90 CRI	2700K	0.76	—
	3000K	0.79	—
	3500K	0.82	—
	4000K	0.84	—
	5000K	0.88	—

	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
R TRIM	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

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

BEAM ANGLE

	TRIM TYPE ⁽²⁾			
	O	F	L	R
W	65°	70°	55°	55°
M	35°	35°	35°	35°
N	10°	20°	25°	25°

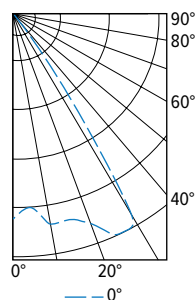


- ¹ Distribution will also be affected, consult factory.
- ² Beam angle based on CS or WH Reflector Finish.

- 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, static white 3500K/80 CRI or tunable white 4000K/80CRI, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Wattage and efficacy data shown do not account for node losses.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

8CR-TL-P29/835-POE PR-OW-CS Total Luminaire Output: 2947 lumens; 25.0 Watts | Efficacy: 117.9 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	2479	
	5	2341	224
	15	2572	729
	25	2938	1360
	35	895	563
	45	68	53
	55	19	17
	65	3	2
75	0	0	
85	0	0	
90	0		

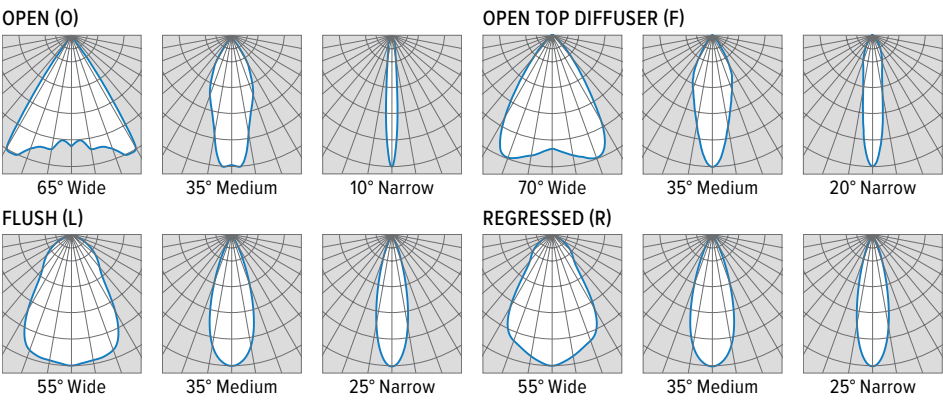
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2870	98
	0 - 60	2945	100
	0 - 90	2947	100
	0 - 180	2947	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

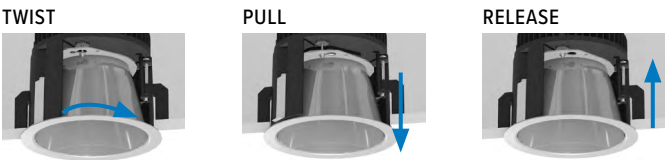


8CR PoE | tunable WHITE

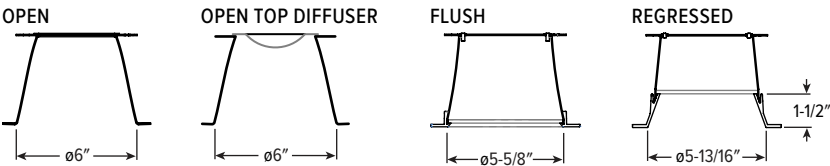
8" Compact Cylinder – Round



TRIMLOCK DETAILS



TRIM TYPE DETAILS

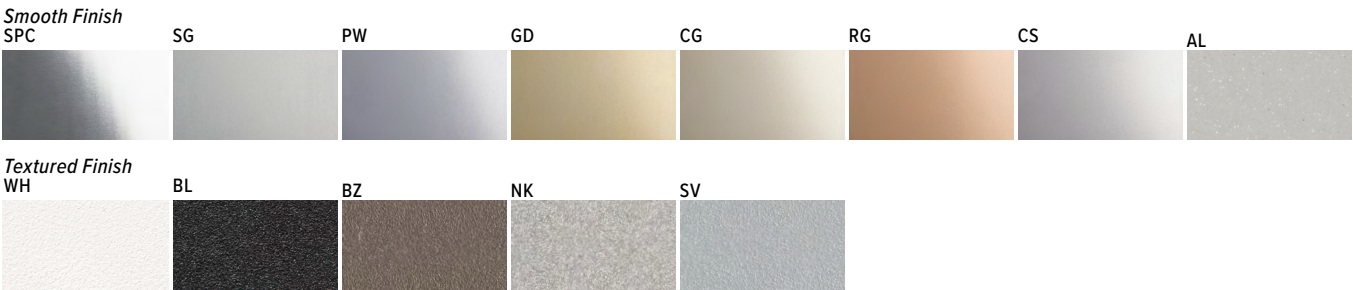


HOUSING FINISH DETAILS



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



Textured Finish

WH

BL

BZ

NK

SV

8CR PoE | tunable WHITE

8" Compact Cylinder – Round

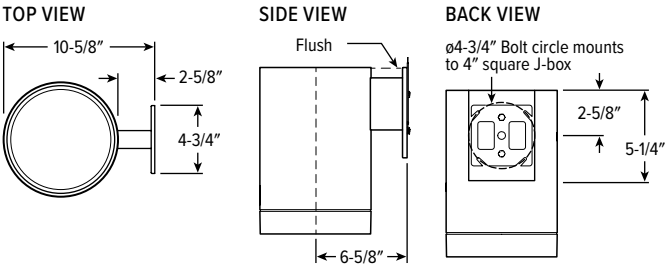
MOUNTING DETAILS

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)



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.
 - One 5" canopy
 - T-bar clip with 1/4-20 stud
 - Hard ceiling anchor provided by others

