

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.
 - 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.

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 ^[6] | REFLECTOR FINISH ^[7] | TRIM OPTIONS |
|------------------|-----------------------------|------------------------------------|--|
| O Open reflector | W 65° Wide | Open Trim Types | AD Diffuse acrylic lens ^[10] |
| L Flush lens | M 45° Medium ^[8] | CS Clear semi-specular anodize | PD Diffuse 1/8" polycarbonate lens ^[11] |
| R Regressed lens | N 10° Narrow ^[9] | SG Satin-glow anodize | TD Diffuse polycarbonate lens media at top of open reflector ^[12] |
| | | 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 ^[13]

- CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = **CM24** ^[14]
- PM__ Pendant mount. Example: 24" pendant = **PM24** ^[15]
- 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.
- 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 3 for REFLECTOR FINISH DETAILS.
- 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 Trim Type. W Distribution only.
- Not available with O Trim Type. W Distribution only.
- O Trim Type only. Not available with P62 lumen package.
- See page 3 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

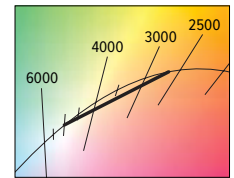
| | COLOR TEMPERATURE | | |
|--------|-------------------|----------|---------------|
| | CCT | LUMENS | |
| | | STANDARD | TUNABLE WHITE |
| 80 CRI | 2700K | 0.92 | 0.83 |
| | 3000K | 0.98 | 1.00 |
| | 3500K | 1.00 | 0.99 |
| | 4000K | 1.01 | 1.00 |
| | 5000K | 1.02 | 0.98 |
| 90 CRI | 2700K | 0.76 | - |
| | 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 |
| | BL ⁽¹⁾ | 0.47 |
| | R TRIM | WH |
| 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 |
| AD | 0.85 |
| PD | 0.85 |
| TD | 0.75 |

BEAM ANGLE

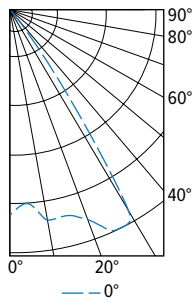
| | TRIM TYPE | | |
|---|-----------|-------|-----------|
| | OPEN | FLUSH | REGRESSED |
| W | 65° | 55° | 55° |
| M | 35° | 35° | 35° |
| N | 10° | 25° | 25° |



- Distribution will also be affected, consult factory.
 - 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

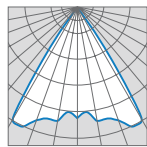
8CR-TL-P29/835-POE PR-OW-CS Total Luminaire Output: 2947 lumens; 25.0 Watts | Efficacy: 117.9 lm/W | 80 CRI; 3500K CCT



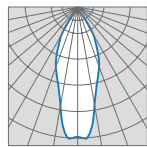
| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 2479 | |
| | 5 | 2341 | 224 |
| | 15 | 2572 | 729 |
| | 25 | 2938 | 1360 |
| | 35 | 895 | 563 |
| | 45 | 68 | 53 |
| | 55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

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

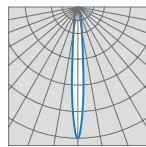
OPEN



65°

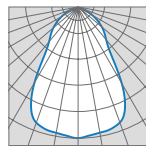


35°

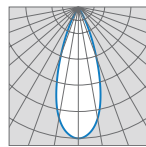


10°

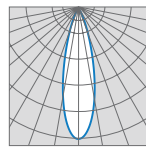
FLUSH



55°

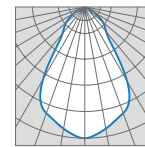


35°

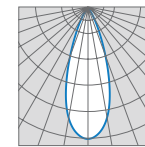


25°

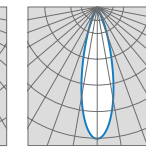
REGRESSED



55°



35°



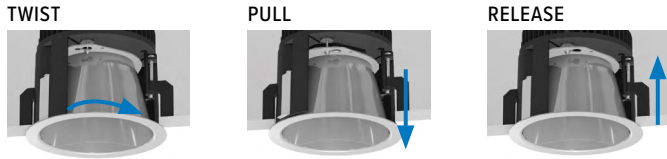
25°



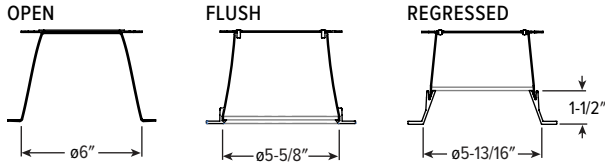
8CR PoE | tunable WHITE

8" Compact Cylinder – Round

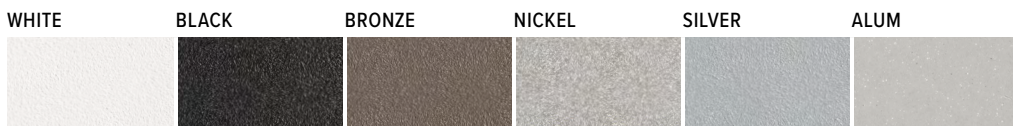
TRIMLOCK DETAILS



TRIM TYPE DETAILS

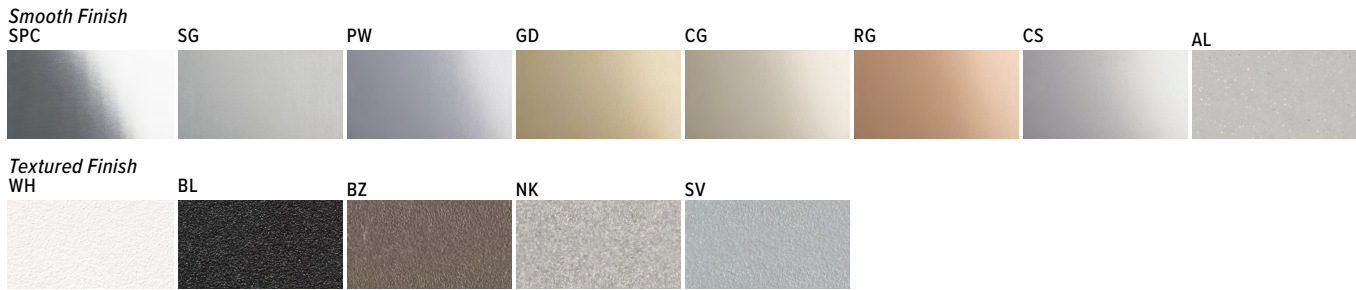


HOUSING FINISH DETAILS



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



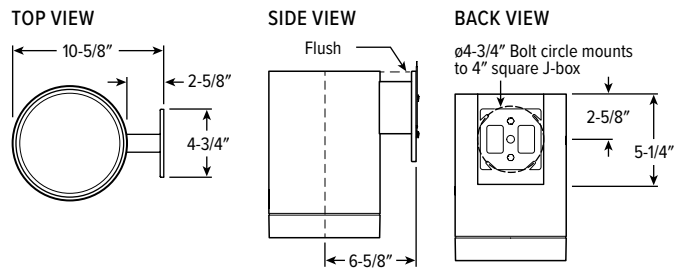
MOUNTING DETAILS

PENDANT MOUNT (PM__)



- Provided with:
- 45° 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

