

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

TrimLock® | TwistLock™

- High-output illumination for tall ceilings
- 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, 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 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- MOUNTING** – Surface, cable, pendant, or wall mount. Indoor applications only. Max weight 14 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: 8CR - TL - L20/835 - OPTIONS - WHT - DIM - UNV - OW - CS - TRIM OPTIONS - CM

HOUSING TRIM MOUNT.

HOUSING

| SERIES | LUMENS ^[1] | CRI | CCT | OPTIONS | HOUSING FINISH ^[2] | CONTROL ^[3] | VOLTAGE |
|----------|------------------------------|---------------------|----------|---|-------------------------------|-------------------------------|-------------------------|
| 8CR - TL | L10 1,000lm | 8 80 | 27 2700K | EM/10W 10-watt emergency battery ^[6] | ALUM Silver sparkle aluminum | DIM Dimming driver, 0-10V | UNV 120-277V |
| TrimLock | L15 1,500lm | 9 90 ^[5] | 30 3000K | F Fuse | BLK Textured black | DIM1 1% Dimming driver, 0-10V | 347 347V ^[8] |
| | L20 2,000lm | | 35 3500K | SDT Stepdown transformer ^[7] | BRZ Textured bronze | | |
| | L30 3,000lm | | 40 4000K | | NKL Textured nickel | | |
| | L40 4,000lm | | 50 5000K | | SLV Textured silver | | |
| | L50 5,000lm | | | | WHT Textured white | | |
| | L60 6,000lm | | | | | | |
| | L70 7,000lm | | | | | | |
| | L80 8,000lm | | | | | | |
| | L90 9,000lm | | | | | | |
| | L100 10,000lm ^[4] | | | | | | |

TRIM

| TRIM TYPE | DISTRIBUTION ^[9] | REFLECTOR FINISH ^[10] | TRIM OPTIONS |
|------------------|------------------------------|------------------------------------|--|
| O Open reflector | W 65° Wide | Open Trim Types | AD Diffuse acrylic lens ^[13] |
| L Flush lens | M 35° Medium ^[11] | CS Clear semi-specular anodize | PD Diffuse 1/8" polycarbonate lens ^[14] |
| R Regressed lens | N 10° Narrow ^[12] | SG Satin-glow anodize | TD Diffuse polycarbonate lens media at top of open reflector ^[15] |
| | | 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^[16]

- CM__ Adjustable aircraft cable mount, 24" length standard. Example: 24" cable = CM24^[17]
- PM__ Pendant mount. Example: 24" pendant = PM24^[18]
- SM TwistLock surface mount to octagonal J-box
- WM Wall mount

NOTES

- Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- See page 5 for HOUSING FINISH DETAILS.
- See page 3 for ADDITIONAL CONTROL OPTIONS.
- Open Trim Type only.
- Extended lead times may apply. Consult factory for availability.
- L60 lumen package max. Increases fixture size. See page 5 for EMERGENCY BATTERY DETAILS.
- May be required for 347V, see product builder at hew.com/product-builder
- Not available with EM batteries.
- 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 5 for REFLECTOR FINISH DETAILS.
- Not available with lumen stops L50 and higher when specified with L or R trim types.
- Not available with lumen stops L50 and higher when specified with L or R trim types.
- Not available with O trim type. W distribution only.
- Not available with O trim type. W distribution only.
- O Trim Type only. L50 lumen package max.
- See page 4 for MOUNTING DETAILS.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.



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) |
| L10 | W | 8.7 | 1014 | 116.9 | 774 | 89.2 | 716 | 82.5 |
| | M | 8.7 | 982 | 113.2 | 910 | 104.9 | 883 | 101.7 |
| | N | 8.7 | 1003 | 115.7 | 909 | 104.8 | 897 | 103.4 |
| L15 | W | 13.8 | 1497 | 108.6 | 1178 | 85.4 | 1090 | 79.0 |
| | M | 13.8 | 1495 | 108.4 | 1385 | 100.4 | 1344 | 97.4 |
| | N | 13.8 | 1528 | 110.8 | 1384 | 100.4 | 1366 | 99.1 |
| L20 | W | 19.0 | 1988 | 104.6 | 1562 | 80.1 | 1445 | 74.1 |
| | M | 19.1 | 1983 | 103.8 | 1837 | 96.1 | 1782 | 93.3 |
| | N | 19.1 | 2026 | 106.1 | 1836 | 94.2 | 1812 | 92.9 |
| L30 | W | 26.9 | 3062 | 114.0 | 2335 | 86.9 | 2160 | 80.4 |
| | M | 26.9 | 3003 | 111.8 | 2782 | 103.6 | 2699 | 100.5 |
| | N | 26.9 | 3000 | 111.7 | 2718 | 101.2 | 2683 | 99.9 |
| L40 | W | 36.5 | 4094 | 112.2 | 3122 | 85.5 | 2889 | 79.1 |
| | M | 36.4 | 4016 | 110.3 | 3720 | 102.2 | 3609 | 99.1 |
| | N | 36.4 | 4011 | 110.2 | 3635 | 99.9 | 3587 | 98.6 |
| L50 | W | 43.9 | 5014 | 114.1 | 3824 | 87.0 | 3537 | 80.5 |
| | M | 43.9 | 4935 | 112.3 | – | – | – | – |
| | N | 43.9 | 5047 | 114.9 | – | – | – | – |
| L60 | W | 54.0 | 6043 | 111.9 | 4609 | 85.4 | 4264 | 79.0 |
| | M | 54.0 | 5948 | 110.1 | – | – | – | – |
| | N | 54.0 | 6083 | 112.6 | – | – | – | – |
| L70 | W | 67.8 | 7008 | 103.3 | 5345 | 78.8 | 4945 | 72.9 |
| | M | 67.8 | 6898 | 101.7 | – | – | – | – |
| | N | 67.8 | 7055 | 104.0 | – | – | – | – |
| L80 | W | 79.8 | 8018 | 100.5 | 6115 | 76.7 | 5657 | 70.9 |
| | M | 79.8 | 7891 | 98.9 | – | – | – | – |
| | N | 79.8 | 8071 | 101.2 | – | – | – | – |
| L90 | W | 80.1 | 9156 | 114.3 | 6983 | 87.2 | 6460 | 80.7 |
| | M | 80.1 | 9012 | 112.5 | – | – | – | – |
| | N | 80.1 | 9216 | 115.1 | – | – | – | – |
| L100 | W | 89.8 | 10180 | 113.4 | – | – | – | – |
| | M | 89.8 | 10020 | 111.6 | – | – | – | – |
| | N | 89.8 | 10247 | 114.1 | – | – | – | – |

MULTIPLIER TABLES

| | COLOR TEMPERATURE | | REFLECTOR FINISH | |
|--------|-------------------|-------------------|------------------|-------------------|
| | CCT | CONVERSION FACTOR | CATALOG NUMBER | CONVERSION FACTOR |
| 80 CRI | 2700K | 0.92 | CS | 1.00 |
| | 3000K | 0.98 | SG ¹ | 0.92 |
| | 3500K | 1.00 | GD | 0.93 |
| | 4000K | 1.01 | CG | 0.96 |
| | 5000K | 1.02 | PW | 0.86 |
| 90 CRI | 2700K | 0.76 | SPC | 1.02 |
| | 3000K | 0.79 | RG | 0.88 |
| | 3500K | 0.82 | WH ¹ | 0.89 |
| | 4000K | 0.84 | BL ¹ | 0.47 |
| | 5000K | 0.88 | | |

| TRIM | |
|----------------|-------------------|
| CATALOG NUMBER | CONVERSION FACTOR |
| AD | 0.85 |
| PD | 0.85 |
| TD | 0.75 |

| 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 |

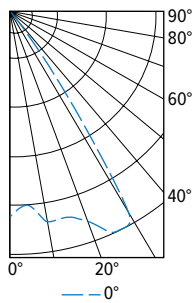
BEAM ANGLE

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

- 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 3500K, 80 CRI, actual lumens may vary +/-5%
 - Use multiplier tables to calculate additional options.

PHOTOMETRY

8CR-TL-L20/835-DIM-UNV-OW-CS Total Luminaire Output: 1988 lumens; 19.0 Watts | Efficacy: 104.6 lm/W | 80 CRI; 3500K CCT



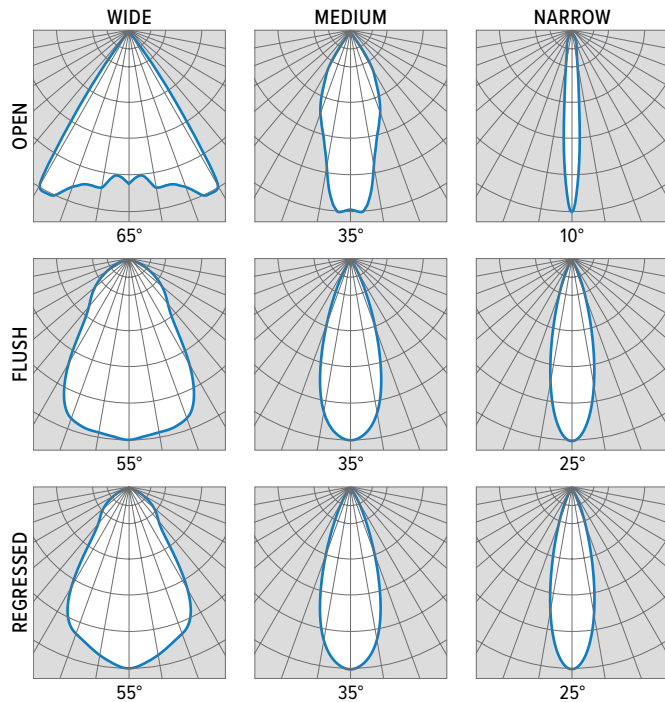
| CANDLEPOWER DISTRIBUTION | VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|--------------------------|----------------|------------------|--------------|
| | | 0° | |
| | 0 | 1672 | |
| | 5 | 1579 | 151 |
| | 15 | 1735 | 492 |
| | 25 | 1982 | 917 |
| | 35 | 604 | 380 |
| | 45 | 46 | 36 |
| | 55 | 13 | 12 |
| | 65 | 2 | 2 |
| | 75 | 0 | 0 |
| | 85 | 0 | 0 |
| | 90 | 0 | 0 |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|---------|--------|-----------|
| | 0 - 40 | 1939 | 98 |
| | 0 - 60 | 1987 | 100 |
| | 0 - 90 | 1988 | 100 |
| | 0 - 180 | 1988 | 100 |



8CR LED

8" Cylinder – Round



ADDITIONAL CONTROL OPTIONS

Lumen restrictions apply: L60 max for DMX driver, L40 max for Lutron drivers, L60 max for ELDO drivers, L60 max for DIM LINE driver. DMX available with CM Mounting Type only. 347V may require stepdown transformer, see product builder at hew.com/product-builder.

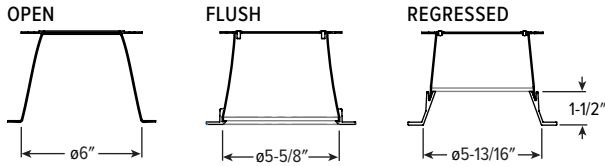
| CATALOG NUMBER | DESCRIPTION |
|-----------------|---|
| DIM | Dimming driver prewired for 0-10V low voltage applications |
| DIM1 | 1% dimming driver prewired for 0-10V low voltage applications |
| DIM LINE | Line voltage dimming driver (TRIAC and ELV compatible at 120V only) |
| DMX | 0.1% dimming driver for DMX controls |
| LTE LINE | Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only) |
| LDE1 | Lutron Hi-lume 1% EcoSystem dimming LED driver |
| ELDO SOLOB | EldoLED Solodrive, 0.1% dimming driver for 0-10V controls |
| ELDO SOLOB DALI | EldoLED Solodrive, 0.1% dimming driver for DALI controls |
| ELDO ECO1 | EldoLED Ecodrive, 1% dimming driver for 0-10V controls |
| ELDO ECO1 DALI | EldoLED Ecodrive, 1% dimming driver for DALI controls |

TRIMLOCK DETAILS



8CR LED 8" Cylinder – Round

TRIM TYPE DETAILS



MOUNTING DETAILS

PENDANT MOUNT (PM__)



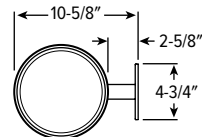
Swivel pendant mount fixtures are provided with:

- 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

CORD OPTIONS

Must specify cord when cable 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 Nickle |
| | | | | /GR Gray |

¹ Standard cord only.

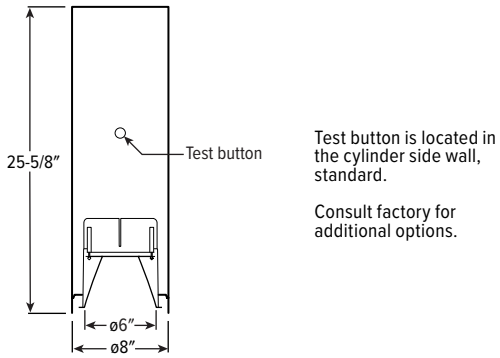
COLOR DETAILS

Additional colors may be available, consult factory.



8CR LED 8" Cylinder – Round

EMERGENCY BATTERY DETAILS

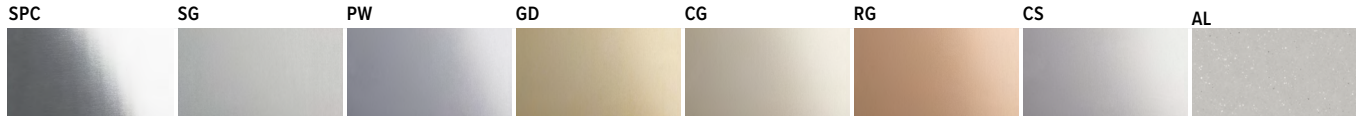


HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS

SMOOTH FINISH



TEXTURED FINISH

