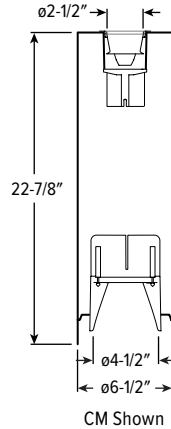


6CRDI LED 6.5" Direct/Indirect Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

TrimLock®

- Wide range of lumen options for general illumination
- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- 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

ORDERING EXAMPLE: 6CRDI - TL - L20/835U/L20/835D - WHT - DIM - UNV - LW/LM - CS - TRIM OPTIONS - CM MOUNT.

HOUSING

| SERIES | LUMEN PACKAGE (Example: L30/835U/L15/835D) | HOUSING FINISH ^[1] | CONTROL ^[2] | VOLTAGE |
|---------------------|--|---|---|--|
| 6CRDI - TL TrimLock | Specify lumen packages: U for Uplight and D for Downlight LUMENS ^[4] CRI CCT U OR D L10 1,000lm 8 80 27 2700K U Uplight L12 1,200lm ^[5] 9 90 ^[6] 30 3000K D Downlight L15 1,500lm 35 3500K L20 2,000lm 40 4000K L30 3,000lm 50 5000K L40 4,000lm L50 5,000lm L60 6,000lm | ALUM Silver sparkle aluminum BLK Textured black BRZ Textured bronze NKL Textured nickel SLV Textured silver WHT Textured white | DIM Entire fixture switches and dims together ^[3] | UNV 120-277V 347 347V |

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** – Cable or wall mount. Indoor applications only. Max weight 14-1/2 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.

TRIM

TRIM TYPE AND DISTRIBUTION ^[7]
 (Example Uplight/Downlight: LW/LM)

| TRIM TYPE | DISTRIBUTION |
|---|-------------------------------------|
| Uplight | Uplight |
| O Open reflector with clear glass shield ^[12] | W 65° Wide |
| L Flush lens ^[13] | M 45° Medium ^[14] |
| | N 10° Narrow ^[15] |
| Downlight | Downlight |
| O Open reflector | W 65° Wide |
| L Flush lens | M 45° Medium ^[16] |
| R Regressed lens | N 10° Narrow ^[17] |

REFLECTOR FINISH ^[8]

- Downlight Open Trim Types**
- CS** Clear semi-specular anodize
 - SG** Satin-glow anodize
 - 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

- Downlight 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

TRIM OPTIONS

- AD** Diffuse acrylic lens ^[9]
- PD** Diffuse 1/8" polycarbonate lens ^[10]
- TD** Diffuse polycarbonate lens media at top of open reflector ^[11]

MOUNTING

MOUNTING TYPE ^[18]

- CM__** Adjustable aircraft cable mount, 24" length standard Example: 24" cable = **CM24** ^[19]
- WM** Wall mount

NOTES

- See page 5 for HOUSING FINISH DETAILS.
- See page 4 for ADDITIONAL CONTROL OPTIONS.
- Requires 5 conductor cord.
- 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
- Uplight CM Mounting Type only.
- Extended lead times may apply. Consult factory for availability.
- Beam angle based on O Trim Type, WM Mounting Type and CS Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- Specified for downlight Trim Type only. See page 5 for REFLECTOR FINISH DETAILS.
- Not available with O Trim Type. Downlight only. W distribution only.
- Not available with O Trim Type. Downlight only. W distribution only.
- O Trim Type only. Downlight only. Not available with L60 lumen package.
- CS Reflector Finish standard. Other colors available, consult factory.
- Trim finish matches Housing Finish. Other colors available, consult factory.
- O Trim Type only when specified with WM Mounting Type.
- O Trim Type only.
- O Trim Type only when specified with L50 or L60 lumen packages.
- O Trim Type only when specified with L50 or L60 lumen packages.
- See page 5 for MOUNTING DETAILS.
- L20 lumen package max for uplight. 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.



6CRDI LED

6.5" Direct/Indirect Cylinder – Round

FIXTURE PERFORMANCE DATA

| DIST. | DOWNLIGHT | | | | | | | | UPLIGHT WALL MOUNT | | | | | UPLIGHT CABLE MOUNT | | | | |
|-------|-----------|------------------|-----------------|------------------|-----------------|------------------|-----------------|---------|--------------------|-----------------|------------------|-----------------|---------|---------------------|-----------------|------------------|-----------------|----|
| | WATTAGE | OPEN REFLECTOR | | FLUSH LENS | | REGRESSED LENS | | WATTAGE | OPEN REFLECTOR | | FLUSH LENS | | WATTAGE | OPEN REFLECTOR | | FLUSH LENS | | |
| | | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | | DELIVERED LUMENS | EFFICACY (lm/W) | DELIVERED LUMENS | EFFICACY (lm/W) | |
| L10 | W | 9.0 | 1027 | 114 | 674 | 75 | 660 | 73 | 9.0 | 871 | 97 | 681 | 76 | 10.6 | 760 | 72 | 1019 | 96 |
| | M | 9.0 | 999 | 111 | 895 | 99 | 895 | 99 | 9.0 | 847 | 94 | - | - | 10.6 | 734 | 69 | 1004 | 95 |
| | N | 9.0 | 1000 | 111 | 914 | 102 | 882 | 98 | 9.0 | 848 | 94 | - | - | 10.6 | 653 | 62 | - | - |
| L12 | W | - | - | - | - | - | - | - | - | - | - | - | - | 14.2 | 1036 | 73 | 1390 | 98 |
| | M | - | - | - | - | - | - | - | - | - | - | - | - | 14.2 | 1001 | 70 | 1369 | 96 |
| | N | - | - | - | - | - | - | - | - | - | - | - | - | 14.2 | 818 | 58 | - | - |
| L15 | W | 13.9 | 1466 | 105 | 994 | 72 | 972 | 70 | 13.9 | 1243 | 89 | 1004 | 72 | 17.5 | 1285 | 73 | 1723 | 98 |
| | M | 13.9 | 1471 | 106 | 1319 | 95 | 1319 | 95 | 13.9 | 1247 | 90 | - | - | 17.5 | 1241 | 71 | 1697 | 97 |
| | N | 13.9 | 1473 | 106 | 1347 | 97 | 1300 | 94 | 13.9 | 1249 | 90 | - | - | 17.5 | 1014 | 58 | - | - |
| L20 | W | 19.8 | 2005 | 101 | 1352 | 68 | 1323 | 67 | 19.8 | 1700 | 86 | 1366 | 69 | 23.2 | 1687 | 73 | 2263 | 98 |
| | M | 19.8 | 2002 | 101 | 1794 | 91 | 1795 | 91 | 19.8 | 1697 | 86 | - | - | 23.2 | 1630 | 70 | 2228 | 96 |
| | N | 19.8 | 2004 | 101 | 1833 | 93 | 1769 | 89 | 19.8 | 1699 | 86 | - | - | 23.3 | 1332 | 57 | - | - |
| L30 | W | 27.8 | 2985 | 107 | 2022 | 73 | 1979 | 71 | 27.8 | 2531 | 91 | 2043 | 73 | - | - | - | - | - |
| | M | 27.8 | 2900 | 104 | 2683 | 97 | 2685 | 97 | 27.8 | 2459 | 88 | - | - | - | - | - | - | - |
| | N | 27.8 | 2734 | 98 | 2741 | 99 | 2646 | 95 | 27.8 | 2318 | 83 | - | - | - | - | - | - | - |
| L40 | W | 38.0 | 3979 | 105 | 2695 | 71 | 2638 | 69 | 38.0 | 3373 | 89 | 2722 | 72 | - | - | - | - | - |
| | M | 38.0 | 3865 | 102 | 3577 | 94 | 3579 | 94 | 38.0 | 3277 | 86 | - | - | - | - | - | - | - |
| | N | 38.0 | 3644 | 96 | 3654 | 96 | 3527 | 93 | 38.0 | 3089 | 81 | - | - | - | - | - | - | - |
| L50 | W | 45.2 | 5124 | 113 | 3364 | 74 | 3292 | 73 | 45.2 | 4344 | 96 | 3398 | 75 | - | - | - | - | - |
| | M | 45.2 | 4956 | 110 | - | - | - | - | 45.2 | 4202 | 93 | - | - | - | - | - | - | - |
| | N | 45.2 | 4818 | 107 | - | - | - | - | 45.2 | 4085 | 90 | - | - | - | - | - | - | - |
| L60 | W | 46.2 | 5830 | 126 | 3827 | 83 | 3745 | 81 | 46.3 | 5220 | 113 | 4083 | 88 | - | - | - | - | - |
| | M | 46.2 | 5639 | 122 | - | - | - | - | 46.3 | 5049 | 109 | - | - | - | - | - | - | - |
| | N | 46.2 | 5482 | 119 | - | - | - | - | 46.3 | 4908 | 106 | - | - | - | - | - | - | - |

- 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/80CRI and CS (O Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.
- Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

| | COLOR TEMPERATURE | |
|--------|-------------------|-------------------|
| | CCT | CONVERSION FACTOR |
| 80 CRI | 2700K | 0.92 |
| | 3000K | 0.98 |
| | 3500K | 1.00 |
| | 4000K | 1.01 |
| | 5000K | 1.02 |
| 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 | 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 |
| AD | 0.85 |
| PD | 0.85 |
| TD | 0.67 |

¹ Distribution will also be affected, consult factory.

BEAM ANGLE

| | TRIM TYPE | | | | | | | |
|---|-----------|-------|-----------|------------|-------|------------|-------|--|
| | DOWNLIGHT | | | WM UPLIGHT | | CM UPLIGHT | | |
| | OPEN | FLUSH | REGRESSED | OPEN | FLUSH | OPEN | FLUSH | |
| W | 65° | 50° | 50° | 65° | 50° | 70° | 50° | |
| M | 45° | 35° | 30° | 45° | 35° | 40° | 30° | |
| N | 10° | 25° | 25° | 10° | 25° | 15° | 20° | |

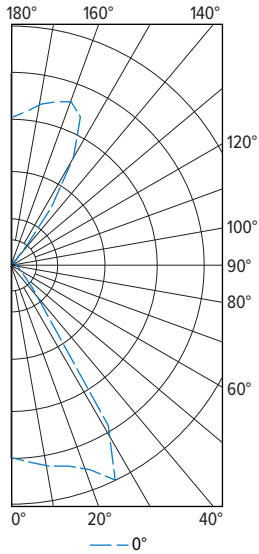


6CRDI LED

6.5" Direct/Indirect Cylinder – Round

PHOTOMETRY

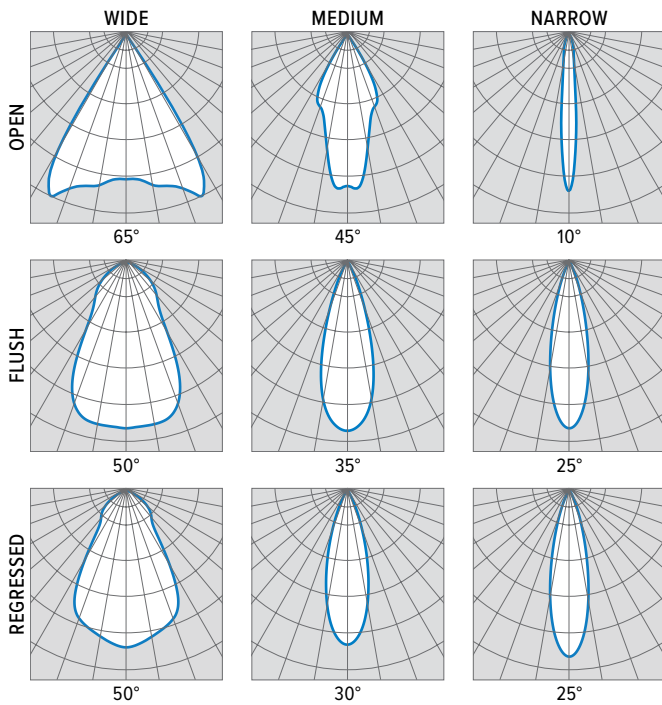
6CRDI-TL-L20/835U/L20/835D-DIM-UNV-OW/OW-CS-WM Total Luminaire Output: 3820 lumens; 38.8 Watts | Efficacy: 98 lm/W | 80 CRI; 3500K CCT



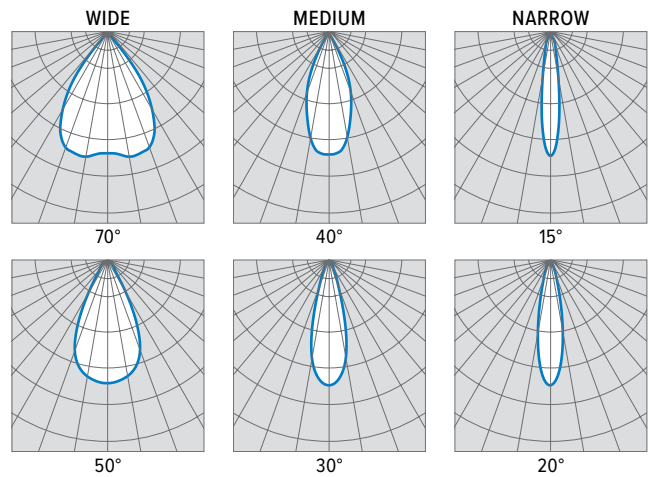
| VERTICAL ANGLE | HORIZONTAL ANGLE | ZONAL LUMENS |
|----------------|------------------|--------------|
| | 0° | |
| 0 | 1810 | |
| 5 | 1864 | 179 |
| 15 | 1960 | 560 |
| 25 | 2231 | 952 |
| 35 | 307 | 367 |
| 45 | 44 | 37 |
| 55 | 11 | 11 |
| 65 | 1 | 2 |
| 75 | 0 | 0 |
| 85 | 0 | 1 |
| 90 | 3 | |
| 95 | 4 | 4 |
| 105 | 5 | 6 |
| 115 | 9 | 9 |
| 125 | 18 | 18 |
| 135 | 58 | 68 |
| 145 | 608 | 391 |
| 155 | 1474 | 647 |
| 165 | 1528 | 433 |
| 175 | 1389 | 135 |
| 180 | 1333 | |

| LUMEN SUMMARY | ZONE | LUMENS | % FIXTURE |
|---------------|--------|--------|-----------|
| | 0 - 30 | 1692 | 44 |
| 0 - 40 | 2059 | 54 | |
| 0 - 60 | 2107 | 55 | |
| 0 - 90 | 2110 | 55 | |
| 90 - 120 | 19 | 1 | |
| 90 - 150 | 496 | 13 | |
| 90 - 180 | 1710 | 45 | |
| 0 - 180 | 3820 | 100 | |

UPLIGHT | DOWNLIGHT WALL MOUNT



UPLIGHT CABLE MOUNT



6CRDI LED

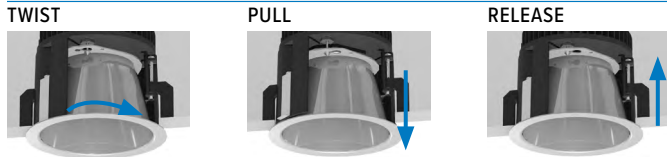
6.5" Direct/Indirect Cylinder – Round

ADDITIONAL CONTROL OPTIONS

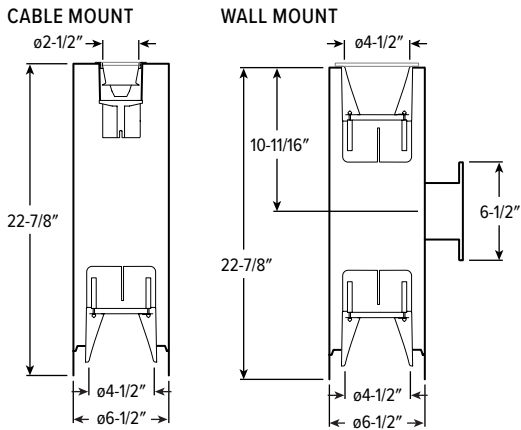
Lumen restrictions apply: L50 max for ELDO drivers and L40 max for Lutron drivers. 347V only available with DIM and DIM1 drivers.

| CATALOG NUMBER | DESCRIPTION |
|----------------------------------|--|
| DIM | Dimming driver prewired for 0-10V low voltage applications; entire fixture switches and dims together |
| DIMU/DIMD | Dimming driver prewired for 0-10V low voltage applications; up and down portions switch and dim separately |
| DIM1 | 1% dimming driver prewired for 0-10V low voltage applications |
| DIM1U/DIM1D | 1% dimming driver prewired for 0-10V low voltage applications; up and down portions switch separately |
| DIM LINE | Line voltage dimming driver (TRIAC and ELV compatible, 120V only) |
| DIM LINEU/DIM LINED | Line voltage switching and line voltage dimming; up and down portions switch separately |
| 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 |
| LDE1/LDE1 | Lutron Hi-lume 1% EcoSystem dimming LED driver; up and down portions switch separately |
| ELDO SOLOB | EldoLED Solodrive, 0.1% dimming driver for 0-10V controls |
| ELDO SOLOB/ELDO SOLOB | EldoLED Solodrive, 0.1% dimming driver for 0-10V controls; up and down portions switch separately |
| ELDO SOLOB DALI | EldoLED Solodrive, 0.1% dimming driver for DALI controls |
| ELDO SOLOB DALI/ ELDO SOLOB DALI | EldoLED Solodrive, 0.1% dimming driver for DALI controls; up and down portions switch separately |
| ELDO ECO1 | EldoLED Ecodrive, 1% dimming driver for 0-10V controls |
| ELDO ECO1/ELDO ECO1 | EldoLED Ecodrive, 1% dimming driver for 0-10V controls; up and down portions switch separately |
| ELDO ECO1 DALI | EldoLED Ecodrive, 1% dimming driver for DALI controls |
| ELDO ECO1 DALI/ELDO ECO1 DALI | EldoLED Ecodrive, 1% dimming driver for DALI controls; up and down portions switch separately |

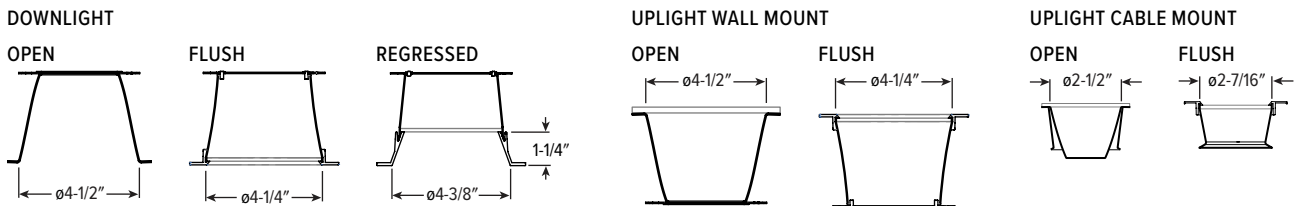
TRIMLOCK DETAILS



CROSS SECTIONS



TRIM TYPE DETAILS



6CRDI LED

6.5" Direct/Indirect Cylinder – Round

MOUNTING DETAILS

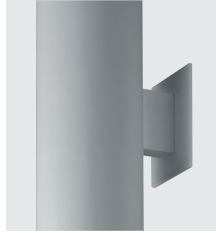
CABLE MOUNT (CM_)



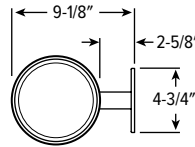
Cable mount fixtures are provided with:

- 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

WALL MOUNT (WM)



Mounts to 4" square J-box.



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 Nickel |
| | | | | /GR Gray |

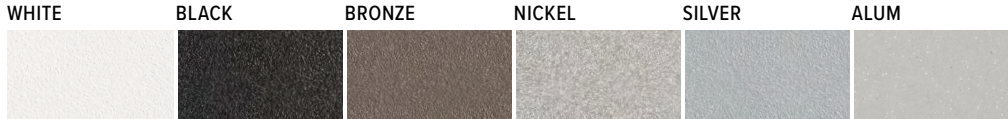
¹ Standard cord only.

COLOR DETAILS

Additional colors may be available, consult factory.



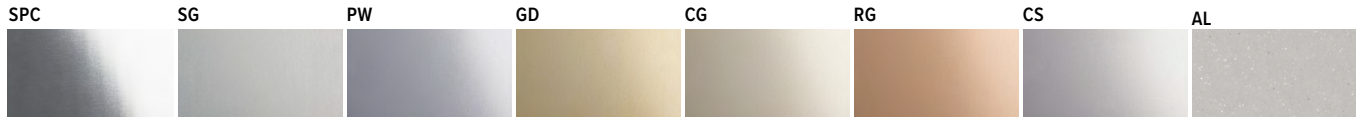
HOUSING FINISH DETAILS



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

SMOOTH FINISH



TEXTURED FINISH

