| | |
|---|---|
| **Part #** | **Prepared By** |
| **Project** | **Notes** |
| **Type** | |
| **Date** | |

DecoLine® CYLINDERS

# 2″ DecoLine® Cylinder

Regressed Lens, LED Cylinder, 700-1300 Lumens



## DESCRIPTION

DecoLine® architectural LED cylinders can be personalized with 25 standard interchangeable finish options. Mounting options include Surface Mount, Pendant Mount, Cord Mount and Wall Mount. Available with Narrow, Medium, Wide or Extra Wide optical distributions, DecoLine® cylinders are designed for general, accent, decorative and task lighting applications. Multiple dimming driver options are available for your specific design needs.

## FEATURES

- 25 interchangeable finish options
- Addtional Specular Clear & Soft Glow Clear Reflector finish options
- 3-Stage Beamshaper® optic to provide precise beam control & soft luminance
- 4 distribution options: Narrow, Medium, Wide & Extra Wide
- Surface, Wall, Pendant and Cord Mounting options
- 700 and 1300 Lumen Packages
- 2700K, 3000K, 3500K, 4000K & Dim-to-Warm (3000K-1800K) CCT options
- 80+ CRI Standard, 90+ CRI Option
- 3-Step SDCM
- Standard 0-10V 1% dimming driver (located in luminaire)
- Optional 0-10V 0.1%, Triac, Dali, DMX with RDM and Lutron dimming drivers (located in canopy)

## LISTINGS

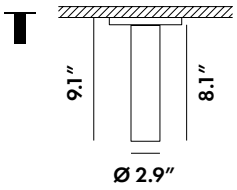
- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act

## WARRANTY & NOTES

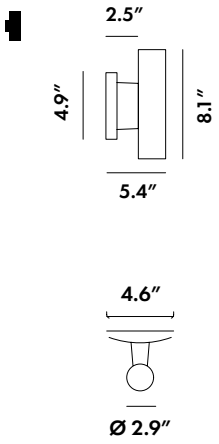
- 5-year limited warranty on LED module and driver
- www.vantageltg.com/product-warranty
- Photometric tests peformed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures

## MOUNTING SOLUTIONS

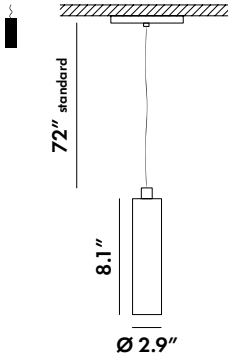
**SM** - SURFACE MOUNT



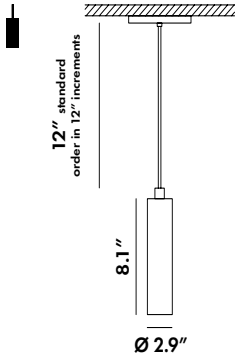

**WM -** WALL MOUNT




**CM -** CORD MOUNT




**PM -** PENDANT MOUNT




## MOUNTING NOTES

**PM** - 1/4″ IP x12″ rigid stem with fixed canopy (standard). Swivel canopy (PM-SWC) available to accommodate sloped ceilings up to 45°.
Standard Pendant lengths (stem): 12″, 24″, and 36″. If a different length is desired, please specify in 12″ increments and add a field cut kit to the order.
**CM** - 72″ 5 conductor cord to support 0-10V dimming (standard). Other lengths available. Requires large canopy when paired with REM (Remote Emergency Battery)
**Optional Drivers** - Require larger canopy, see canopy details for more information.

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# 2" DecoLine® Cylinder

Regressed Lens, LED Cylinder, 700-1300 Lumens

DecoLine® CYLINDERS

## ORDERING INFORMATION

EXAMPLE: VDL208CMU-0735K-NW-HBL-BLK-BLK-DTD-PM(24)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | - | | - | - | - | - | - | - | - | - | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

**Additional Notes**

### 1 Size

**VDL208** - 2"x8"

### 2 Mounting Option

**SM** - Surface Mount
**WM** - Wall Mount
**CM** - Cord Mount
**PM** - Pendant Mount

### 3 Voltage

**U** - 120V-277V
**1** - 120V
**2** - 277V

*Must provide voltage when optional drivers are selected.

### 4 Lumens

**07** - 700
**13** - 1300

### 5 Kelvin

**27K** - 2700 Kelvin
**30K** - 3000 Kelvin
**35K** - 3500 Kelvin
**40K** - 4000 Kelvin
**DTW** - Dim-to-Warm*
(3000 - 1800 Kelvin)

### 6 Beamshaper®

**NW** - Narrow 15°
**MD** - Medium 30°
**WE** - Wide 45°
**XW** - Extra Wide 72°

### 7 Reflector Finish

**ACR**
**BLB**
**BLK**
**BLS**
**BRD**
**BVT**
**BZ**
**CS**
**DEU**
**HBL**
**MCL**
**PBK**
**PCL**
**PVT**
**RBE**
**RVT**
**SOR**
**SPK**
**SSG**
**TPG**
**TRQ**
**WHC**
**WHG**
**WHT**
**SCL**
**SGC**
**CC-RAL(__)***

### 8 Housing Finish

**ACR**
**BA**
**BLB**
**BLK**
**BLS**
**BRD**
**BVT**
**BZ**
**CS**
**DEU**
**HBL**
**MCL**
**PBK**
**PCL**
**PVT**
**RBE**
**RVT**
**SOR**
**SPK**
**SSG**
**TPG**
**TRQ**
**WHC**
**WHG**
**WHT**
**CC-RAL(__)***

### 9 Cord/Stem Finish

**CBLK***
**CGRY***
**CWHT***
**ACR**
**BLB**
**BLK**
**BLS**
**BRD**
**BVT**
**BZ**
**CS**
**DEU**
**HBL**
**MCL**
**PBK**
**PCL**
**PVT**
**RBE**
**RVT**
**SOR**
**SPK**
**SSG**
**TPG**
**TRQ**
**WHC**
**WHG**
**WHT**
**CC-RAL(__)***

### 10 Canopy Finish

**ACR**
**BLB**
**BLK**
**BLS**
**BRD**
**BVT**
**BZ**
**CS**
**DEU**
**HBL**
**MCL**
**PBK**
**PCL**
**PVT**
**RBE**
**RVT**
**SOR**
**SPK**
**SSG**
**TPG**
**TRQ**
**WHC**
**WHG**
**WHT**
**CC-RAL(__)***

### 11 Driver Options*

**DTD**
**TDM**
**DDM**
**DMX**
**DL-2**
**DL-3**
**LDE1**
**LDE5**

### 12 Additional Options**

**HCR**
**REM**
**PM-(__)**
**CM-(__)**
**PM-SWC**
**DCA**

## ORDERING NOTES

**DTW** - Dim-to-Warm (3000 - 1800 Kelvin), Not available above 2000 lumens, requires larger canopy
**Cord Finish** - Cord finish options only avaialble in CBLK, CGRY, CWHT
**CC-RAL(__)** - Must supply RAL number when submiting order, custom color charge applies
**Color Swatches -** See P.5 for color swatches

## *DRIVER OPTIONS NOTES

**Optional** Drivers - Require larger canopy, see canopy details for more information
**DTD** - 0-10V 0.1% dimming driver.
**TDM** - Triac (Foward Phase, 120V only) dimming driver.
**DDM** - Dali dimming driver.
**DMX** - DMX with RDM dimming driver. Must Include Daisy Chain Adaport.
**DL-2** - Lutron 2-Wire Hi-lume dimming driver.
**DL-3** - Lutron 3-Wire Hi-Lume dimming driver.
**LDE1** - Lutron Hi-lume 1% with Soft-On, Fade-to-Black dimming driver.
**PEQ0** - Lutron Hi-lume Premier 0.1% with Soft-On, Fade-to-Black dimming driver.

## **ADDITIONAL OPTIONS NOTES

**HCR** - 90+ CRI min.
**REM** - Remote Emergency Battery Backup
**CM-(__)** - Specify length of Cord Mount
**PM-(__)** - Specify length of Pendant Mount
**PM-SWC** - Swivel Canopy 1/4" IP x12" rigid stem with swivel canopy for mounting on sloped cielings up to 45°
**DCA** - DMX Daisy Chain Adaptor

## LUMENS

| Nominal Lumens | Delivered Lumens | Wattage | Lumens Per Watt |
|---|---|---|---|
| 700 | 650 | 7.28 | 89.29 |
| 1300 | 1207 | 13.52 | 89.28 |
| All measured at 3500K with a standard medium distribution<br>*Actual Wattage/Lumens may vary. | | | |

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# 2” DecoLine® Cylinder

Regressed Lens, LED Cylinder, 700-1300 Lumens

DecoLine® CYLINDERS

## PHOTOMETRY

### NW - Narrow 15°

**Model**
VDL208-XX-1335K-NW

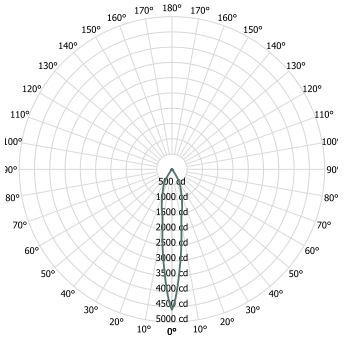
**Lumens**
1134

**Watts**
13.56

**Efficacy**
83.63

**SC**
0.27

**Candela Curve**




**Cone of Light**

| Mounting Height AFF | FC at Center on Floor | Beam Diameter |
|---|---|---|
| 8.0 ft | 72 fc | 2.3 ft |
| 10.0 ft | 46 fc | 2.8 ft |
| 12.0 ft | 32 fc | 3.4 ft |
| 14.0 ft | 23 fc | 4.0 ft |
| 16.0 ft | 18 fc | 4.5 ft |
| 20.0 ft | 11 fc | 5.7 ft |
| 24.0 ft | 8 fc | 6.8 ft |
| 30.0 ft | 5 fc | 8.5 ft |

**Candela Table**

| | 0° |
|---|---|
| 0° | 4593 |
| 5° | 3098 |
| 10° | 1787 |
| 15° | 1293 |
| 20° | 925 |
| 30° | 471 |
| 40° | 35 |
| 50° | 22 |
| 60° | 34 |
| 70° | 17 |
| 80° | 8 |
| 90° | 0 |

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0° - 30° | 922 | 81% |
| 0° - 40° | 1037 | 91% |
| 0° - 60° | 1093 | 96% |
| 60° - 90° | 41 | 4% |
| 0° - 20° | 616 | 54% |
| 20° - 50° | 441 | 39% |
| 50° - 70° | 57 | 5% |
| 70° - 90° | 20 | 2% |
| Downlight | 1134 | 100% |
| Uplight | 0 | 0% |
| Total | 1134 | 100% |

**Spacing Criterion**

| Height | Spacing | Light Level* |
|---|---|---|
| 8 ft | 2.2 ft | ~ 72 fc |
| 10 ft | 2.7 ft | ~ 46 fc |
| 12 ft | 3.2 ft | ~ 32 fc |
| 8 ft | 1.6 ft | ~ 128 fc |
| 10 ft | 2.0 ft | ~ 82 fc |
| 12 ft | 2.4 ft | ~ 57 fc |
| 8 ft | 1.1 ft | ~ 287 fc |
| 10 ft | 1.4 ft | ~ 184 fc |
| 12 ft | 1.6 ft | ~ 128 fc |

* approximate direct light level at floor based on spacing criterion overlap

### MD - Medium 30°

**Model**
VDL208-XX-1335K-MD

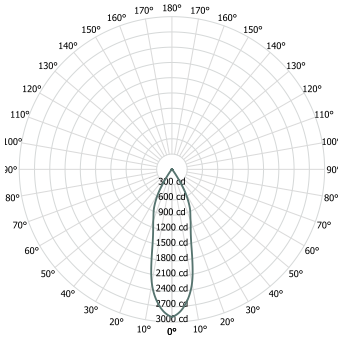
**Lumens**
1207

**Watts**
13.52

**Efficacy**
89.28

**SC**
0.5

**Candela Curve**




**Cone of Light**

| Mounting Height AFF | FC at Center on Floor | Beam Diameter |
|---|---|---|
| 8.0 ft | 45 fc | 4.3 ft |
| 10.0 ft | 29 fc | 5.4 ft |
| 12.0 ft | 20 fc | 6.4 ft |
| 14.0 ft | 15 fc | 7.5 ft |
| 16.0 ft | 11 fc | 8.6 ft |
| 20.0 ft | 7 fc | 10.7 ft |
| 24.0 ft | 5 fc | 12.9 ft |
| 30.0 ft | 3 fc | 16.1 ft |

**Candela Table**

| | 0° |
|---|---|
| 0° | 2902 |
| 5° | 2708 |
| 10° | 2272 |
| 15° | 1454 |
| 20° | 1071 |
| 30° | 524 |
| 40° | 37 |
| 50° | 12 |
| 60° | 10 |
| 70° | 9 |
| 80° | 4 |
| 90° | 0 |

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0° - 30° | 1034 | 86% |
| 0° - 40° | 1163 | 96% |
| 0° - 60° | 1188 | 98% |
| 60° - 90° | 19 | 2% |
| 0° - 20° | 670 | 55% |
| 20° - 50° | 508 | 42% |
| 50° - 70° | 20 | 2% |
| 70° - 90° | 10 | 1% |
| Downlight | 1207 | 100% |
| Uplight | 0 | 0% |
| Total | 1207 | 100% |

**Spacing Criterion**

| Height | Spacing | Light Level* |
|---|---|---|
| 8 ft | 4.0 ft | ~ 45 fc |
| 10 ft | 5.0 ft | ~ 29 fc |
| 12 ft | 6.0 ft | ~ 20 fc |
| 8 ft | 3.0 ft | ~ 81 fc |
| 10 ft | 3.8 ft | ~ 52 fc |
| 12 ft | 4.5 ft | ~ 36 fc |
| 8 ft | 2.0 ft | ~ 181 fc |
| 10 ft | 2.5 ft | ~ 116 fc |
| 12 ft | 3.0 ft | ~ 81 fc |

* approximate direct light level at floor based on spacing criterion overlap

### WE - Wide 45°

**Model**
VDL208-XX-1335K-WE

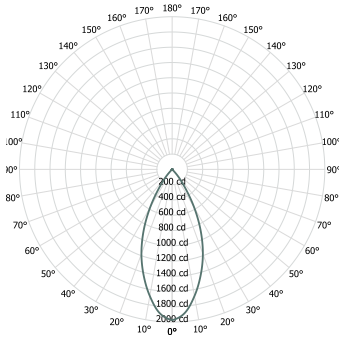
**Lumens**
1217

**Watts**
13.51

**Efficacy**
90.08

**SC**
0.72

**Candela Curve**




**Cone of Light**

| Mounting Height AFF | FC at Center on Floor | Beam Diameter |
|---|---|---|
| 8.0 ft | 31 fc | 6.9 ft |
| 10.0 ft | 20 fc | 8.6 ft |
| 12.0 ft | 14 fc | 10.3 ft |
| 14.0 ft | 10 fc | 12.0 ft |
| 16.0 ft | 8 fc | 13.7 ft |
| 20.0 ft | 5 fc | 17.2 ft |
| 24.0 ft | 3 fc | 20.6 ft |
| 30.0 ft | 2 fc | 25.7 ft |

**Candela Table**

| | 0° |
|---|---|
| 0° | 1975 |
| 5° | 1889 |
| 10° | 1685 |
| 15° | 1440 |
| 20° | 1177 |
| 30° | 579 |
| 40° | 133 |
| 50° | 7 |
| 60° | 5 |
| 70° | 5 |
| 80° | 4 |
| 90° | 0 |

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0° - 30° | 971 | 80% |
| 0° - 40° | 1169 | 96% |
| 0° - 60° | 1204 | 99% |
| 60° - 90° | 13 | 1% |
| 0° - 20° | 577 | 47% |
| 20° - 50° | 622 | 51% |
| 50° - 70° | 11 | 1% |
| 70° - 90° | 8 | 1% |
| Downlight | 1217 | 100% |
| Uplight | 0 | 0% |
| Total | 1217 | 100% |

**Spacing Criterion**

| Height | Spacing | Light Level* |
|---|---|---|
| 8 ft | 5.8 ft | ~ 31 fc |
| 10 ft | 7.2 ft | ~ 20 fc |
| 12 ft | 8.6 ft | ~ 14 fc |
| 8 ft | 4.3 ft | ~ 55 fc |
| 10 ft | 5.4 ft | ~ 35 fc |
| 12 ft | 6.5 ft | ~ 24 fc |
| 8 ft | 2.9 ft | ~ 123 fc |
| 10 ft | 3.6 ft | ~ 79 fc |
| 12 ft | 4.3 ft | ~ 55 fc |

* approximate direct light level at floor based on spacing criterion overlap

### XW - Extra Wide 72°

**Model**
VDL208-xx-1335K-XW

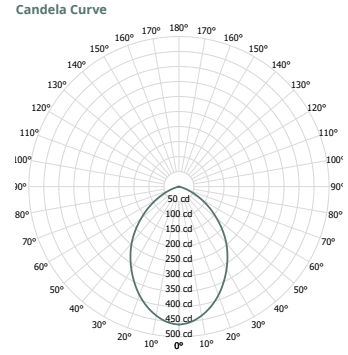
**Lumens**
835

**Watts**
13.47

**Efficacy**
61.99

**SC**
1.05

**Candela Curve**




**Cone of Light**

| Mounting Height AFF | FC at Center on Floor | Beam Diameter |
|---|---|---|
| 8.0 ft | 7 fc | 14.4 ft |
| 10.0 ft | 5 fc | 17.9 ft |
| 12.0 ft | 3 fc | 21.5 ft |
| 14.0 ft | 2 fc | 25.1 ft |
| 16.0 ft | 2 fc | 28.7 ft |
| 20.0 ft | 1 fc | 35.9 ft |
| 24.0 ft | 1 fc | 43.1 ft |
| 30.0 ft | 1 fc | 53.8 ft |

**Candela Table**

| | 0° |
|---|---|
| 0° | 459 |
| 5° | 453 |
| 10° | 436 |
| 15° | 413 |
| 20° | 384 |
| 30° | 317 |
| 40° | 245 |
| 50° | 164 |
| 60° | 89 |
| 70° | 28 |
| 80° | 3 |
| 90° | 0 |

**Zonal Lumen Summary**

| Zone | Luminous flux (lm) | % Luminaire |
|---|---|---|
| 0° - 30° | 321 | 38% |
| 0° - 40° | 497 | 59% |
| 0° - 60° | 765 | 92% |
| 60° - 90° | 70 | 8% |
| 0° - 20° | 161 | 19% |
| 20° - 50° | 493 | 59% |
| 50° - 70° | 168 | 20% |
| 70° - 90° | 14 | 2% |
| Downlight | 835 | 100% |
| Uplight | 0 | 0% |
| Total | 835 | 100% |

**Spacing Criterion**

| Height | Spacing | Light Level* |
|---|---|---|
| 8 ft | 8.4 ft | ~ 7 fc |
| 10 ft | 10.5 ft | ~ 5 fc |
| 12 ft | 12.6 ft | ~ 3 fc |
| 8 ft | 6.3 ft | ~ 13 fc |
| 10 ft | 7.9 ft | ~ 8 fc |
| 12 ft | 9.5 ft | ~ 6 fc |
| 8 ft | 4.2 ft | ~ 29 fc |
| 10 ft | 5.3 ft | ~ 18 fc |
| 12 ft | 6.3 ft | ~ 13 fc |

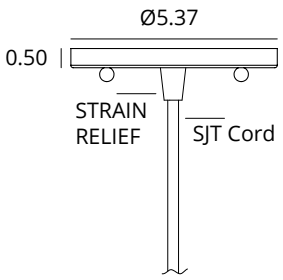
* approximate direct light level at floor based on spacing criterion overlap

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## CANOPY DETAILS

### CM

Cord Mount, fixed canopy (standard)

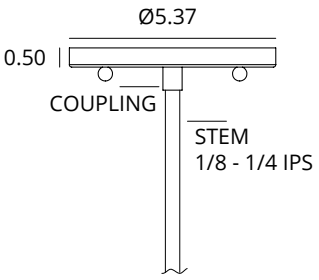



**Driver Compatibility**

Standard 0-10V 1%

### PM

Pendant Mount, rigid stem, fixed canopy (standard)

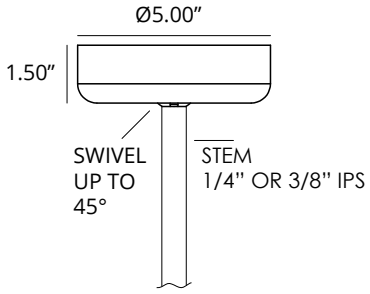



**Driver Compatibility**

Standard 0-10V 1%

### PM-SWC

Pendant Mount,rigid stem, swivel canopy, up to 45° slope ceiling (optional)

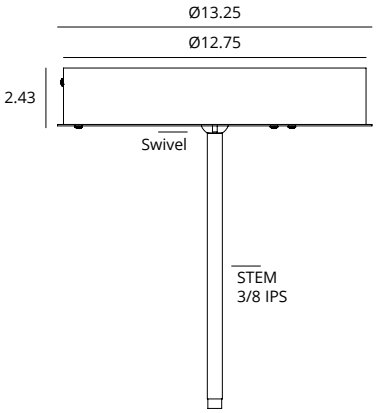



**Driver Compatibility**

Standard 0-10V 1%

### OPTIONAL DRIVERS

Canopy for larger driver options. Driver located in canopy.




**Driver Compatibility**

DTD
TDM
DDM
DMX
DL-2
DL-3
LDE1
PEQ0

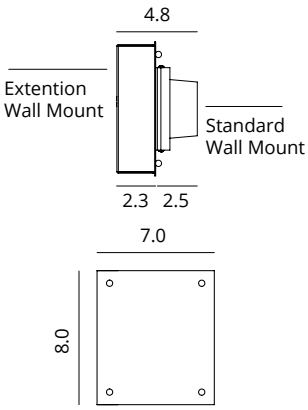
DTW - Dim-to-Warm

Available as
CM, PM-RGC & PM-SWC

Large canopy required when
CM is paired with REM

### WALL MOUNT EXTENSION

Wall Mount Extension for larger optional drivers




**Driver Compatibility**

DTD
TDM
DDM
DMX
DL-2
DL-3
LDE1
PEQ0

DTW - Dim-to-Warm


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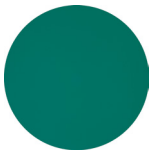
# 2" DecoLine® Cylinder

Regressed Lens, LED Cylinder, 700-1300 Lumens

DecoLine® CYLINDERS

## 25 STANDARD FINISHES


RBE - ROBIN EGG

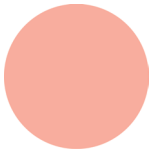

TRQ - TURQUOISE


DEU - DARK EUCALYPTUS

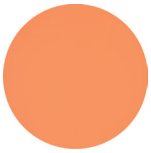

HBL - HYDRANGEA BLUE


BLB - BLUE BIRD


BRD - BORDEAUX RED


PCL - PINK CORAL


SPK - SUBTLE PINK


SOR - SALMON ORANGE


SSG - SUNSET ORANGE


RVT - RED VELVET


PVT - PURPLE VELVET


BVT - BLUE VELVET


WHC - WHITE CRYSTAL

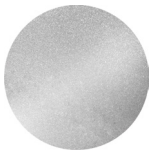

WHT - WHITE MATTE


WHG - WHITE HIGH GLOSS


TGD - TRANSLUCENT GOLD


BA - BRUSHED ALUMINUM


ACR - ANTIQUE CHROME


CS - MIRROR SILVER SPARKLE


MCL - METALLIC CHARCOAL

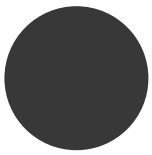

BZ - BRONZE

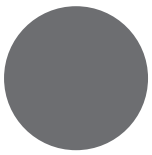

BLS - BLACK SCALE


BLK - BLACK MATTE


PBK - PIANO BLACK

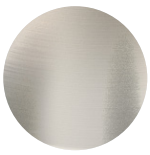
## CORD ONLY FINISHES


CBLK - BLACK CORD


CGRY - GREY CORD


CWHT - WHITE CORD

## REFLECTOR ONLY FINISHES


SCL - SPECULAR CLEAR


SGC - SOFT GLOW CLEAR

## NOTES

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