

Part #	Prepared By
Project	Notes
Type	
Date	

# 4" DecoLine® Cylinder

Regressed Lens, LED Cylinder, 700-2000 Lumens



## DESCRIPTION

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

## FEATURES

- 25 interchangeable finish options
- Additional 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, Cord and Cord & Cable Mounting options
- 700, 1300 and 2000 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

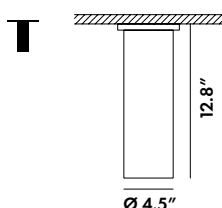
- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act Compliant (BAA)

## WARRANTY & NOTES

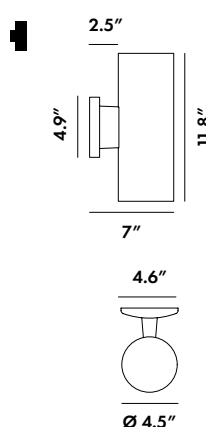
- 5-year limited warranty on LED module and driver
- [www.vantageltg.com/product-warranty](http://www.vantageltg.com/product-warranty)
- Photometric tests performed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures

## MOUNTING SOLUTIONS

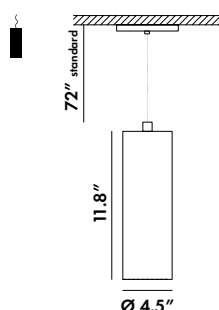
### SM - SURFACE MOUNT



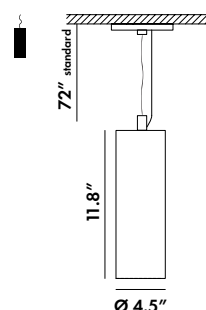
### WM - WALL MOUNT



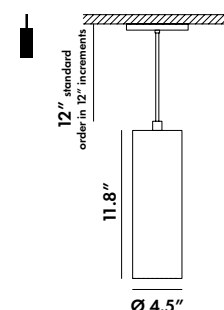
### CM - CORD MOUNT



### CCK - CORD & CABLE 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/CCK** - 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.

### Regressed Lens, LED Cylinder, 700-2000 Lumens

EXAMPLE: VDL412CMU-3035K-NW-HBL-BLK-BLK-DTD-PM(24)

1	2	3	-	4	5	-	6	-	7	-	8	-	9	-	10	-	11	-	12
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### Additional Notes

1	2	3	4	5	6
Size	Mounting Option	Voltage	Lumens	Kelvin	Beamshaper®
VDL412 - 4"x12"	SM - Surface Mount WM - Wall Mount CCK - Cord & Cable Mount PM - Pendant Mount	U - Universal (120 - 277V) 1 - 120V 2 - 277V  *Must provide voltage when optional drivers are selected.	07 - 700 13 - 1300 20 - 2000	27K - 2700 Kelvin 30K - 3000 Kelvin 35K - 3500 Kelvin 40K - 4000 Kelvin DTW - Dim-to-Warm* (3000 - 1800 Kelvin)	NW - Narrow 15° MD - Medium 30° WE - Wide 45° XW - Extra Wide 72°
7	8	9	10		
Reflector Finish	Housing Finish	Cord/Stem Finish	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 SCL SGC CC-RAL( )*	ACR BA BLB BLK BLS BRD BVT BZ CS DEU HBL MCL PBK PCL PVT RBE RVT SOR SPK SSG TGD TRQ WHC WHG WHT CC-RAL( )*	CBLK* CGRY* CWHT* ACR BLB BLK BLS BRD BVT BZ CS DEU HBL MCL PBK PCL PVT RBE RVT SOR SPK SSG TGD TRQ WHC WHG WHT CC-RAL( )*	ACR BLB BLK BLS BRD BVT BZ CS DEU HBL MCL PBK PCL PVT RBE RVT SOR SPK SSG TGD TRQ WHC WHG WHT CC-RAL( )*		
11	12				
Driver Options*	Additional Options**				
DTD TDM DDM DMX DL-2 DL-3 LDE1 LDE5	HCR REM PM-( ) CM-( ) CCK-( ) PM-SWC DCA				

**DTW** - Dim-to-Warm (3000 - 1800 Kelvin), Not available above 2000 lumens, Requires larger canopy

**Cord Finish** - Cord finish options only available in CBLK, CGRY, CWHT

**CC-RAL( )** - Must supply RAL number when submitting order, custom color charge applies

**Color Swatches** - See P.5 for color swatches

Optional Drivers - Require larger canopy, see canopy details for more information

DTD - 0-10V 0.1% dimming driver.

TDM - Triac (Forward Phase, 120V only) dimming driver.

DDM - Dali dimming driver.

DMX - DMX with RDM dimming driver. Must Include Daisy Chain Adaptor.

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

**HCR - 90+ CRI min.**

**REM** - Remote Emergency Battery Backup

**CM-( )** - Specify length of Cord Mount

**CCK-( )** - Specify length of Cord & Cable Mount

PM-( ) - Specify length of Pendant Mount

**PM-SWC** - Swivel Canopy 1/4" IP x12" rigid stem with swivel canopy for mounting on sloped ceilings up to 45°

**DCA** - DMX Daisy Chain Adaptor

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
700	650	7.28	89.29
1300	1202	13.52	89.29
2000	1857	20.8	89.29

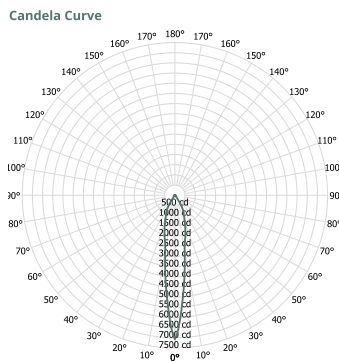
All measured at 3500K with a standard medium distribution  
 \*Actual Wattage/Lumens may vary.

## Regressed Lens, LED Cylinder, 700-2000 Lumens

NW - Narrow 15°

Model  
VDL412-XX-2035K-NW

<b>Lumens</b>	1745
<b>Watts</b>	20.87
<b>Efficacy</b>	83.61
<b>SC</b>	0.27



Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	110 fc	2.3 ft
10.0 ft	71 fc	2.8 ft
12.0 ft	49 fc	3.4 ft
14.0 ft	36 fc	4.0 ft
16.0 ft	28 fc	4.5 ft
20.0 ft	18 fc	5.7 ft
24.0 ft	12 fc	6.8 ft
30.0 ft	8 fc	8.5 ft

0°	
0°	7066
5°	4766
10°	2749
15°	1989
20°	1424
30°	724
40°	54
50°	34
60°	52
70°	26
80°	12
90°	0

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0° - 30°	1418	81%
0° - 40°	1595	91%
0° - 60°	1682	96%
60° - 90°	63	4%
0° - 20°	947	54%
20° - 50°	678	39%
50° - 70°	88	5%
70° - 90°	31	2%
Downlight	1745	100%
Uplight	0	0%
Total	1745	100%

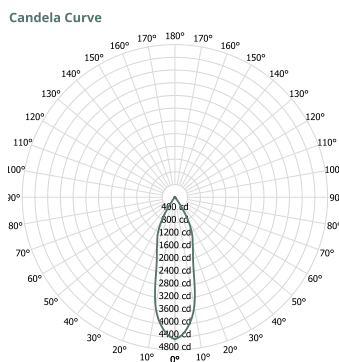
Spacing Criterion		
Height	Spacing	Light Level
8 ft	2.2 ft	~ 110 fc
10 ft	2.7 ft	~ 71 fc
12 ft	3.2 ft	~ 49 fc
8 ft	1.6 ft	~ 196 fc
10 ft	2.0 ft	~ 126 fc
12 ft	2.4 ft	~ 87 fc
8 ft	1.1 ft	~ 442 fc
10 ft	1.4 ft	~ 283 fc
12 ft	1.6 ft	~ 196 fc

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

MD - Medium 30°

Model  
VDL412-XX-2035K-MD

<b>Lumens</b>	1857
<b>Watts</b>	20.8
<b>Efficacy</b>	89.28
<b>SC</b>	0.5



Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	70 fc	4.3 ft
10.0 ft	45 fc	5.4 ft
12.0 ft	31 fc	6.4 ft
14.0 ft	23 fc	7.5 ft
16.0 ft	17 fc	8.6 ft
20.0 ft	11 fc	10.7 ft
24.0 ft	8 fc	12.9 ft
30.0 ft	5 fc	16.1 ft

0°	
0°	4465
5°	4167
10°	3496
15°	2237
20°	1648
30°	806
40°	57
50°	19
60°	16
70°	14
80°	6
90°	0

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0° - 30°	1591	86%
0° - 40°	1789	96%
0° - 60°	1828	98%
60° - 90°	29	2%
0° - 20°	1030	55%
20° - 50°	782	42%
50° - 70°	30	2%
70° - 90°	15	1%
Downlight	1857	100%
Uplight	0	0%
Total	1857	100%

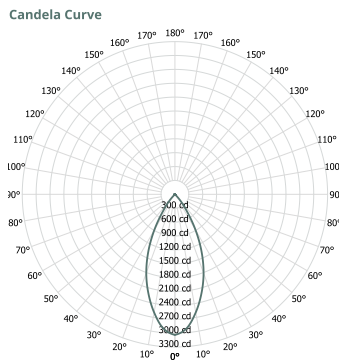
Spacing Criterion		
Height	Spacing	Light Level
8 ft	4.0 ft	~ 70 fc
10 ft	5.0 ft	~ 45 fc
12 ft	6.0 ft	~ 31 fc
8 ft	3.0 ft	~ 124 fc
10 ft	3.8 ft	~ 79 fc
12 ft	4.5 ft	~ 55 fc
8 ft	2.0 ft	~ 279 fc
10 ft	2.5 ft	~ 179 fc
12 ft	3.0 ft	~ 124 fc

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

WE - Wide 45°

Model  
VDL412-XX-2035K-WE

Lumens	1872
Watts	20.79
Efficacy	90.04
SC	0.72



Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	47 fc	6.9 ft
10.0 ft	30 fc	8.6 ft
12.0 ft	21 fc	10.3 ft
14.0 ft	16 fc	12.0 ft
16.0 ft	12 fc	13.7 ft
20.0 ft	8 fc	17.2 ft
24.0 ft	5 fc	20.6 ft
30.0 ft	3 fc	25.7 ft

0°	
0°	3039
5°	2907
10°	2592
15°	2216
20°	1810
30°	890
40°	205
50°	11
60°	8
70°	8
80°	6
90°	0

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0° - 30°	1494	80%
0° - 40°	1798	96%
0° - 60°	1853	99%
60° - 90°	20	1%
0° - 20°	888	47%
20° - 50°	956	51%
50° - 70°	16	1%
70° - 90°	12	1%
Downlight	1872	100%
Uplight	0	0%
Total	1872	100%

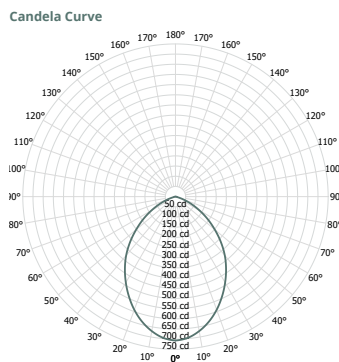
Spacing Criterion		
Height	Spacing	Light Level
8 ft	5.8 ft	~ 47 fc
10 ft	7.2 ft	~ 30 fc
12 ft	8.6 ft	~ 21 fc
8 ft	4.3 ft	~ 84 fc
10 ft	5.4 ft	~ 54 fc
12 ft	6.5 ft	~ 38 fc
8 ft	2.9 ft	~ 190 fc
10 ft	3.6 ft	~ 122 fc
12 ft	4.3 ft	~ 84 fc

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

XW - Extra Wide 72"

Model  
VDL412-xx-2035K-XW

<b>Lumens</b>	1285
<b>Watts</b>	20.72
<b>Efficacy</b>	62.02
<b>SC</b>	1.05



Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	11 fc	14.4 ft
10.0 ft	7 fc	17.9 ft
12.0 ft	5 fc	21.5 ft
14.0 ft	4 fc	25.1 ft
16.0 ft	3 fc	28.7 ft
20.0 ft	2 fc	35.9 ft
24.0 ft	1 fc	43.1 ft
30.0 ft	1 fc	53.8 ft

	0°
0°	707
5°	696
10°	671
15°	635
20°	592
30°	488
40°	377
50°	252
60°	137
70°	43
80°	5
90°	0

Zonal Lumen Summary		
Zone	Luminous flux (lm)	% Luminaire
0° - 30°	495	38%
0° - 40°	764	59%
0° - 60°	1177	92%
60° - 90°	108	8%
0° - 20°	247	19%
20° - 50°	758	59%
50° - 70°	258	20%
70° - 90°	21	2%
Downlight	1285	100%
Uplight	0	0%
Total	1285	100%

Height	Spacing	Light Level
8 ft	8.4 ft	~ 11 fc
10 ft	10.5 ft	~ 7 fc
12 ft	12.6 ft	~ 5 fc
8 ft	6.3 ft	~ 20 fc
10 ft	7.9 ft	~ 13 fc
12 ft	9.5 ft	~ 9 fc
8 ft	4.2 ft	~ 44 fc
10 ft	5.3 ft	~ 28 fc
12 ft	6.3 ft	~ 20 fc

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

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# 4" DecoLine® Cylinder

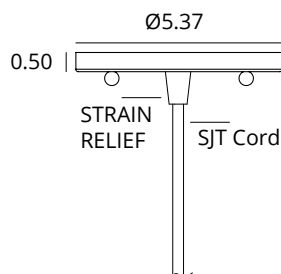
Regressed Lens, LED Cylinder, 700-2000 Lumens

DecoLine®  
CYLINDERS

## CANOPY DETAILS

### CM

Cord Mount, fixed canopy (standard)

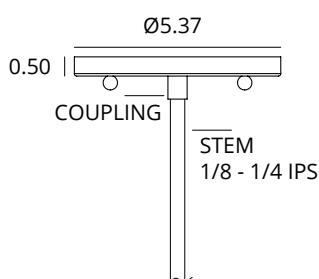


#### Driver Compatibility

Standard 0-10V 1%

### PM

Pendant Mount, rigid stem, fixed canopy (standard)

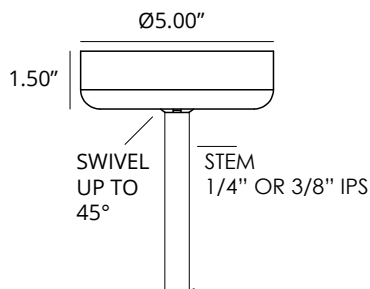


#### Driver Compatibility

Standard 0-10V 1%

### PM-SWC

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

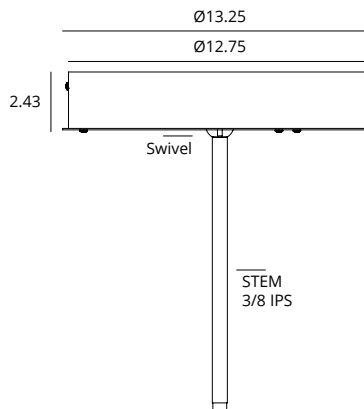


#### Driver Compatibility

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

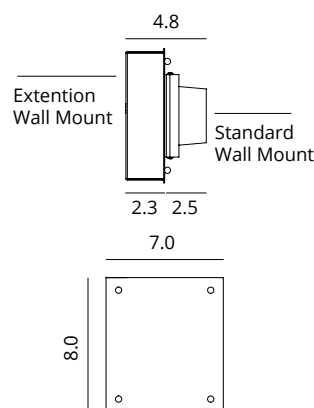
DTW - Dim-to-Warm

Available as  
CM, CCK, PM-RGC & PM-SWC

Large canopy required when  
CM/CCK 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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# 4" DecoLine® Cylinder

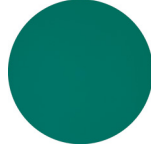
Regressed Lens, LED Cylinder, 700-2000 Lumens

DecoLine®  
CYLINDERS

## 25 STANDARD FINISHES



RBE - ROBIN EGG



TRQ - TURQUOISE



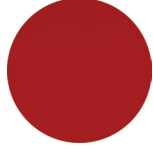
DEU - DARK EUCALYPTUS



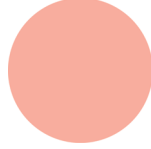
HBL - HYDRANGEA BLUE



BLB - BLUE BIRD



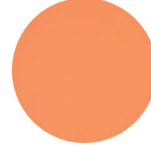
BRD - BORDEAUX RED



PCL - PINK CORAL



SPK - SUBTLE PINK



SOR - SALMON ORANGE



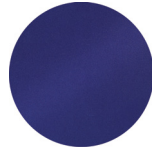
SSG - SUNSET ORANGE



RVT - RED VELVET



PVT - PURPLE VELVET



BVT - BLUE VELVET



WHC - WHITE CRYSTAL



WHT - WHITE MATTE



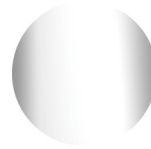
WHG - WHITE HIGH GLOSS



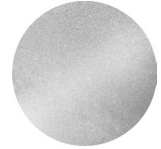
TGD - TRANSLUCENT GOLD



BA - BRUSHED ALUMINUM



ACR - ANTIQUE CHROME



CS - MIRROR SILVER SPARKLE



MCL - METALLIC CHARCOAL



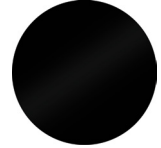
BZ - BRONZE



BLS - BLACK SCALE

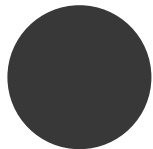


BLK - BLACK MATTE

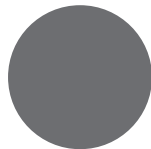


PBK - PIANO BLACK

## CORD ONLY FINISHES



CBLK - BLACK CORD

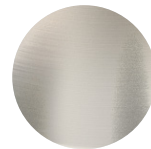


CGRY - GREY CORD



CWHT - WHITE CORD

## REFLECTOR ONLY FINISHES



SCL - SPECULAR CLEAR



SGC - SOFT GLOW CLEAR

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