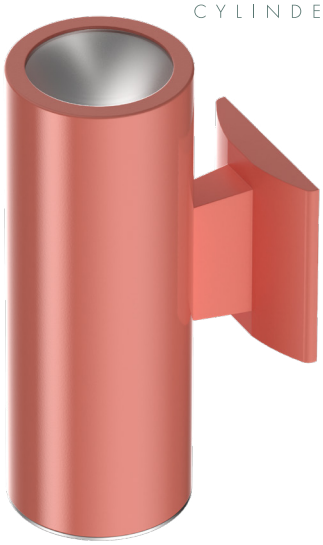
Part #	**Prepared By**
Project	**Notes**
Type	
Date	

DecoLine® CYLINDERS



4" DecoLine® Cylinder, Up/Down

Regressed Lens, LED Cylinder, 700-2000 Lumens

DESCRIPTION

DecoLine® architectural LED cylinders can be personalized with 25 standard interchangeable finish options. The 4"x 12" Up/Down is available with Narrow, Medium and Wide uplight optical distributions and Narrow, Medium, Wide and Extra Wide downlight optical distributions. Mounting options include Pendant Mount & Wall Mount. A great option for general lighting where an uplight component is needed, the Pendent Mount DecoLine® Up/Down is a versatile luminaire for modern open ceiling designs. 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 downlight distribution options: Narrow, Medium, Wide & Extra Wide
- 3 uplight distribution options: Narrow, Medium & Wide
- Wall and Pendant 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

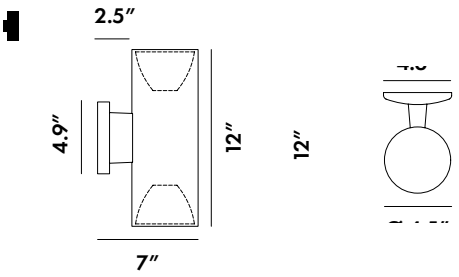
- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act

WARRANTY & NOTES

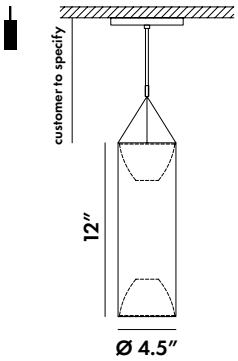
- 5-year limited warranty on LED module and driver
- www.vantageltg.com/product-warranty
- Photometric tests peformed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures

MOUNTING SOLUTIONS

WM - WALL MOUNT



PM - PENDANT MOUNT



MOUNTING NOTES

PM - 3/8" 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.
Optional Drivers - Require larger canopy, see canopy details for more information.

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4" DecoLine® Cylinder, Up/Down

Regressed Lens, LED Up/Down Cylinder, 700-1300 Lumens

DecoLine® CYLINDERS

ORDERING INFORMATION

EXAMPLE: VDL412UWMU-0707-35K35K-WDMD-SGC-PCL-PCL-DTD

1	2	3	4	5	6	7	8	9	10	11	12	13	14

Additional Notes

1 Size

VDL412U
4"x12"

2 Mounting Option

WM
Wall Mount

PM
Pendant Mount

3 Voltage

U - Universal
(120 - 277V)
1 - 120V
2 - 277V

*Must provide voltage when optional drivers are selected.

4 Lumens

0707
700 Up / 700 Down
0713
700 Up / 1300 Down
1307
1300 Up / 700 Down

5 Up Kelvin

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

6 Down Kelvin

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

7 Up Distribution

NW - Narrow 15°
MD - Medium 30°
WE - Wide 45°

8 Down Distribution

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

9 Reflector Finish

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

10 Housing Finish

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

11 Cord/Stem Finish

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

12 Canopy Finish

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

13 Driver Options*

DTD
TDM
DL-2
DL-3
LDE1
LDE5
PEQ0

14 Additional Options**

HCR
REM
PM-(__)
PM-SWC

ORDERING NOTES

DTW - Dim-to-Warm (3000 - 1800 Kelvin), Not available above 2000 lumens, Requires larger canopy
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.
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.
LDE5 - Lutron 5-Series 5% dimming driver.
PEQ0 - Lutron Hi-lume Premier 0.1% with Soft-On, Fade-to-Black dimming driver.

LUMENS

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
700	650	7.28	89.29
1300	1202	13.52	89.29
All measured at 3500K with a standard medium distribution *Actual Wattage/Lumens may vary.			

**ADDITIONAL OPTIONS NOTES

HCR - 90+ CRI min.
REM - Remote Emergency Battery Backup
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°

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4" DecoLine® Cylinder, Up/Down

Regressed Lens, LED Up/Down Cylinder, 700-1300 Lumens

DecoLine® CYLINDERS

PHOTOMETRY DOWN LIGHT

700LM NW Up - 1300LM NW Down

Model
VDL412UWMU-0713-35K35K-NWNW

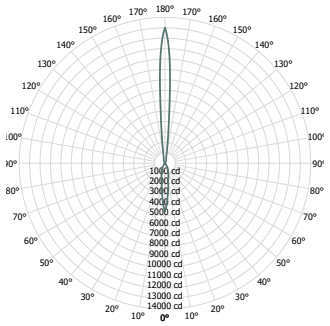
Lumens
1740

Watts
22

Efficacy
79.09

SC
0.27

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	72 fc	0.0 ft
10.0 ft	46 fc	0.0 ft
12.0 ft	32 fc	0.0 ft
14.0 ft	23 fc	0.0 ft
16.0 ft	18 fc	0.0 ft
20.0 ft	11 fc	0.0 ft
24.0 ft	8 fc	0.0 ft
30.0 ft	5 fc	0.0 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	53%
0° - 40°	1037	60%
0° - 60°	1093	63%
60° - 90°	41	2%
0° - 20°	616	35%
20° - 50°	441	25%
50° - 70°	57	3%
70° - 90°	20	1%
Downlight	1134	65%
Uplight	606	35%
Total	1740	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

700LM MD Up - 1300LM MD Down

Model
VDL412UWMU-0713-35K35K-MDMD

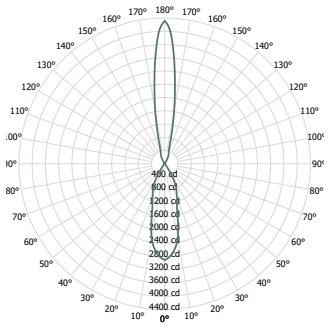
Lumens
1791

Watts
22

Efficacy
81.41

SC
0.5

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	45 fc	0.0 ft
10.0 ft	29 fc	0.0 ft
12.0 ft	20 fc	0.0 ft
14.0 ft	15 fc	0.0 ft
16.0 ft	11 fc	0.0 ft
20.0 ft	7 fc	0.0 ft
24.0 ft	5 fc	0.0 ft
30.0 ft	3 fc	0.0 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	58%
0° - 40°	1163	65%
0° - 60°	1188	66%
60° - 90°	19	1%
0° - 20°	670	37%
20° - 50°	508	28%
50° - 70°	20	1%
70° - 90°	10	1%
Downlight	1207	67%
Uplight	584	33%
Total	1791	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

700LM WE Up - 1300LM WE Down

Model
VDL412UWMU-0713-35K35K-WEWE

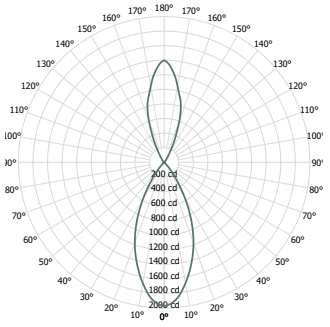
Lumens
1792

Watts
22

Efficacy
81.45

SC
0.72

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	31 fc	0.0 ft
10.0 ft	20 fc	0.0 ft
12.0 ft	14 fc	0.0 ft
14.0 ft	10 fc	0.0 ft
16.0 ft	8 fc	0.0 ft
20.0 ft	5 fc	0.0 ft
24.0 ft	3 fc	0.0 ft
30.0 ft	2 fc	0.0 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	54%
0° - 40°	1169	65%
0° - 60°	1204	67%
60° - 90°	13	1%
0° - 20°	577	32%
20° - 50°	622	35%
50° - 70°	11	1%
70° - 90°	8	0%
Downlight	1217	68%
Uplight	575	32%
Total	1792	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

700LM WE Up - 1300LM XW Down

Model
VDL412UWMU-0713-35K35K-WEXW

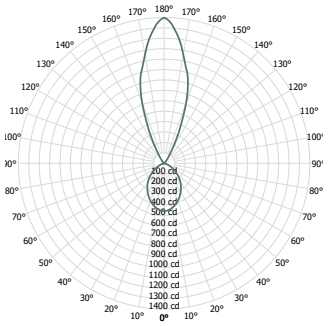
Lumens
1411

Watts
22

Efficacy
64.14

SC
1.05

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 ft	7 fc	0.0 ft
10.0 ft	5 fc	0.0 ft
12.0 ft	3 fc	0.0 ft
14.0 ft	2 fc	0.0 ft
16.0 ft	2 fc	0.0 ft
20.0 ft	1 fc	0.0 ft
24.0 ft	1 fc	0.0 ft
30.0 ft	1 fc	0.0 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	Lumens	% Luminaire
0° - 30°	321	23%
0° - 40°	497	35%
0° - 60°	765	54%
60° - 90°	70	5%
0° - 20°	161	11%
20° - 50°	493	35%
50° - 70°	168	12%
70° - 90°	14	1%
Downlight	835	59%
Uplight	575	41%
Total	1411	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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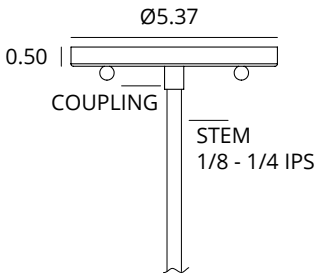
CANOPY DETAILS

PM

Pendant Mount, rigid stem, fixed canopy (standard)

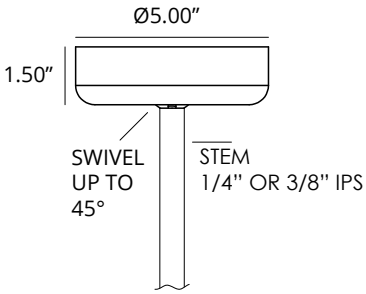


Driver Compatibility

Standard 0-10V 1%

PM-SWC

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

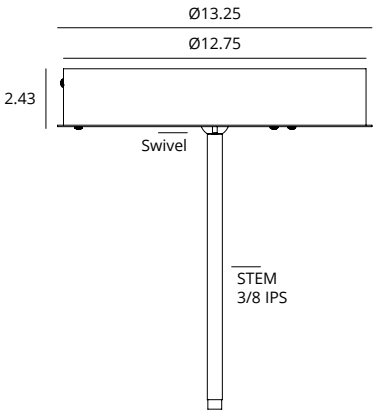


Driver Compatibility

Standard 0-10V 1%

OPTIONAL DRIVERS

Canopy for larger driver options. Driver located in canopy.



Driver Compatibility

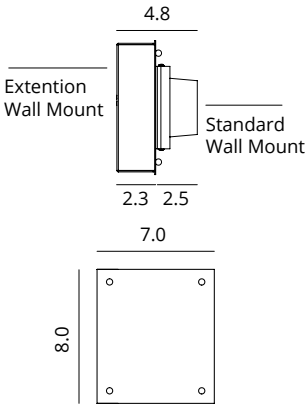
DTD
TDM
DDM
DMX
DL-2
LDE1
PEQ0
LDE5

DTW - Dim-to-Warm

Available as
PM-RGC & PM-SWC

WALL MOUNT EXTENSION

Wall Mount Extension for larger optional drivers



Driver Compatibility

DTD
TDM
DDM
DMX
DL-2
LDE1
PEQ0
LDE5

DTW - Dim-to-Warm

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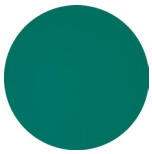
4" DecoLine® Cylinder, Up/Down

Regressed Lens, LED Up/Down Cylinder, 700-1300 Lumens

DecoLine® CYLINDERS

25 STANDARD FINISHES

RBE - ROBIN EGG

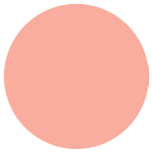

TRQ - TURQUOISE

DEU - DARK EUCALYPTUS

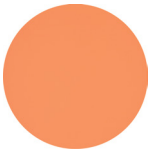
HBL - HYDRANGEA BLUE

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

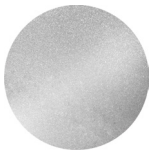
WHT - WHITE MATTE

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

REFLECTOR ONLY FINISHES

SCL - SPECULAR CLEAR

SGC - SOFT GLOW CLEAR

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