

OPTIQUE

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# Velino.0 Surface

Surface-Mount - Dark Optics



## Velino.0 Surface

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#### Specification Submittal

A surface-mount luminaire designed for clean, glare-free illumination in drywall, millwork, and shelving applications. Using advanced dark optics, Velino.0 Surface produces a refined low-brightness appearance, concealing the light source while maintaining excellent visual comfort.

Project Name:

Project Location:

Fixture Type:

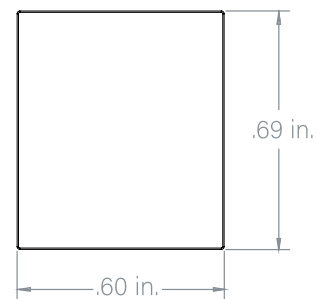
SKUs:



### Features & Benefits

- Surface-mount design ideal for drywall, millwork, shelving, and cabinetry
- Dark Optics deliver clean, glare-free light even at high output
- Dark Optics hide the light source, providing a natural, unobtrusive ambience
- Available in 4 ft. and 8 ft. lengths, or custom sizes up to 100 in. for continuous runs
- Available in anodized aluminum, matte black, gloss white, or special order RAL colors
- 24V DC operation; compatible with Triac, ELV, 0-10V, DMX, Casambi, and Silvar controls
- Factory-assembled up to 100 in. for faster installation and cost-efficient shipping
- Superior color rendering
- High R9 and R13 values
- Complete UL Listed Luminaire

### Fixture Dimensions



Fixture Cross Section







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### i Luminaire System Builder

Prefix	Location	Mount	Optics	Output	CCT	Finish	Length	Leads	Lead Length 1	Lead Length 2
OP-SFU-V0	I	SF	<p><i>Dark Optics</i></p> <p><b>DN</b> Dark Optic Narrow - (~30° medium beam)</p> <p><b>DW</b> Dark Optic Wide - (~60° wide beam)</p>	<p><i>White Light</i></p> <p><b>L7</b> 700± lm/ft (4W)</p> <p><b>L10</b> 1000± lm/ft (6W)</p>	<p><i>White Light</i></p> <p><b>2700K</b> <b>3000K</b> <b>3500K</b> <b>4000K</b></p>	<p> <b>ALU</b> - Quick Ship Anodized Aluminum</p> <p> <b>GLW</b> - Quick Ship Powder Coated Gloss White</p> <p> <b>ABL</b> - Quick Ship Anodized Matte Black</p> <p> <b>RALXXXX</b> Specify Color</p>	<p><b>XXX</b> Length in 1 in. increments</p> <p>- The fixtures come in segments up to 100 in.</p>	<p><b>1LEAD</b> One lead</p> <p></p> <p><b>2LEAD</b> Two leads</p> <p></p>	<p><b>XXX</b> 1-120 in.</p>	<p><b>XXX</b> 1-120 in.</p>

Fixtures are supplied with Optique's remote Universal power supply supporting 0-10, 1-10V, MLV, ELV dimming and voltage input from 100V-277V.

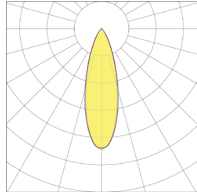
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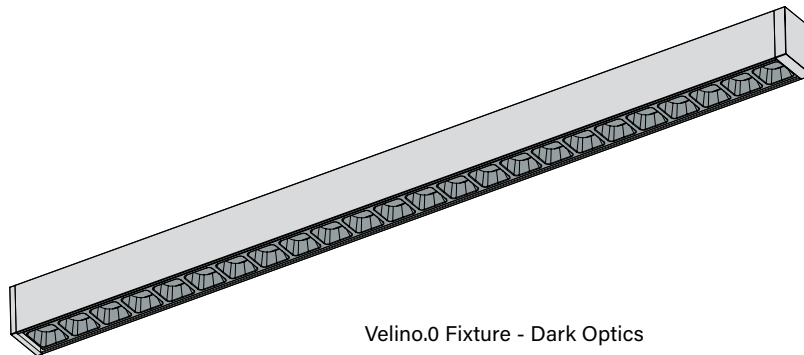
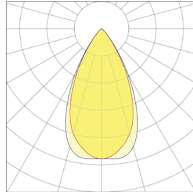
Specification Submittal

### Dark Optics Options

**DN**  
Dark Optic "Narrow" - (30° medium beam)



**DW**  
Dark Optic "Wide" - (60° wide beam)



Velino.0 Fixture - Dark Optics

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#### Output, DN & DW

Indoor, Dark Optic "Narrow"- (30° medium beam)

Output (lm/ft)		L7	L10
Lumens (per ft.)	2700K	437.27	615.13
	3000K	471.27	671.00
	3500K	517.20	740.11
	4000K	536.80	754.01
Wattage (per ft.)		4.36	6.52

Indoor, Dark Optic "Wide" - (60° wide beam)

Output (lm/ft)		L7	L10
Lumens (per ft.)	2700K	474.80	667.93
	3000K	511.73	728.60
	3500K	561.60	803.64
	4000K	582.88	818.73
Wattage (per ft.)		4.36	6.52

## Velino.0 Surface

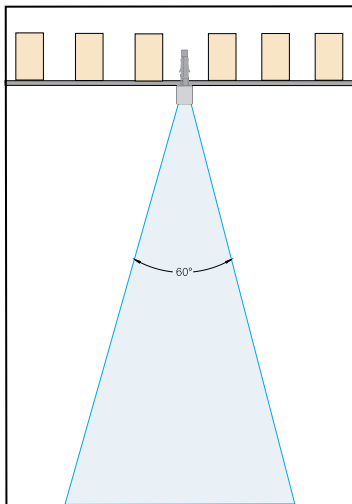
Surface-Mount - Dark Optics

Specification Submittal

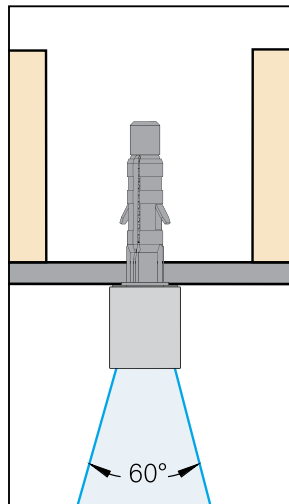
### ◆ Photometry

#### LIGHT DISTRIBUTION

Velino.0 Surface-Mount - Dark Optics

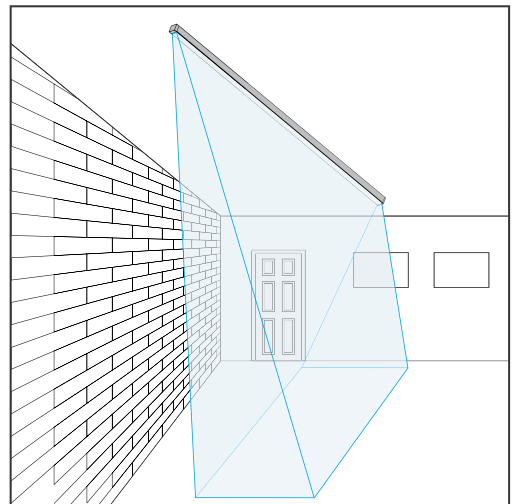


Side view



#### LIGHT DISTRIBUTION

Velino.0 Surface-Mount - Dark Optics



Light spread representation

## Velino.0 Surface

### Surface-Mount - Dark Optics

Specification Submittal

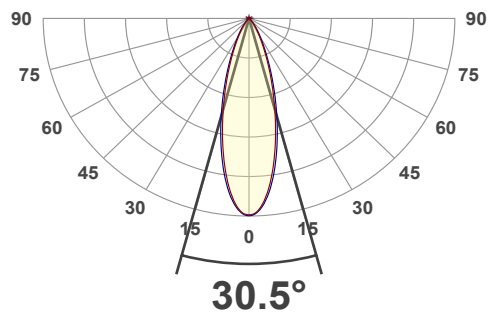
#### ◆ Photometry

DN = Dark Optic "Narrow"- (30° medium beam), L10 - 3500K

#### LUMEN SUMMARY

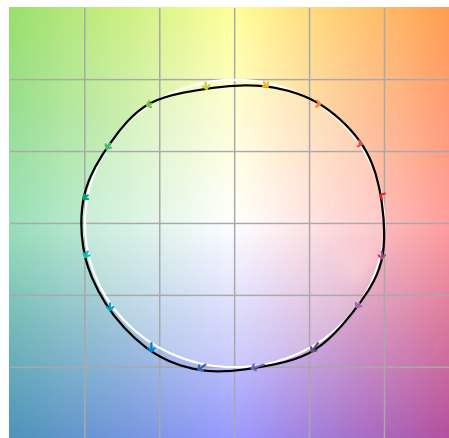
Zone	Lumens	% Fixture
75° - 90°	0.321 lm	0.04%
60° - 75°	1.91 lm	0.27%
45° - 60°	12.4 lm	1.73%
30° - 45°	95.2 lm	13.26%
15° - 30°	305 lm	42.48%
0° - 15°	299 lm	41.64%

#### ANGULAR DISTRIBUTION



#### COLOR VECTOR GRAPHIC

Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	1%
2	96	1%	-1%
3	94	1%	-1%
4	94	-2%	-3%
5	93	-5%	0%
6	95	1%	3%
7	93	0%	4%
8	93	2%	3%
9	94	2%	3%
10	93	3%	4%
11	92	5%	3%
12	88	4%	-4%
13	89	1%	-8%
14	90	3%	-7%
15	90	0%	-3%
16	90	1%	-5%



Reference Test

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Specification Submittal

#### ✦ Photometry

DN = Dark Optic "Narrow"- (30° medium beam), L10 - 3500K

UGR

### Light Planning – UGR table

*Uncorrected, comprehensive UGR table according to 117-1995*

Reflectances						
	ρ Ceiling	70	70	50	50	30
	ρ Walls	50	30	50	30	30
	ρ Floor	20	20	20	20	20
Room size		Viewed Crosswise				
H = mounting height above eye level		(Viewing direction orthogonal to lamp length axis)				
X	Y					
2H	2H	9.5	10.0	9.6	10.2	10.4
	3H	9.2	9.8	9.5	10.0	10.2
	4H	9.1	9.7	9.5	10.0	10.2
	6H	9.1	9.6	9.4	9.9	10.3
	8H	9.0	9.5	9.3	9.9	10.3
	12H	9.0	9.5	9.3	9.8	10.2
4H	2H	9.1	9.7	9.5	10.0	10.2
	3H	9.0	9.5	9.3	9.8	10.3
	4H	8.8	9.3	9.3	9.7	10.2
	6H	8.8	9.3	9.3	9.6	10.0
	8H	8.7	9.2	9.2	9.5	9.9
	12H	8.6	9.0	9.1	9.4	9.9
8H	4H	8.7	9.2	9.2	9.5	9.9
	6H	8.6	8.9	9.1	9.4	9.9
	8H	8.6	8.9	9.1	9.4	10.0
	12H	8.6	8.8	9.2	9.3	9.9
12H	4H	8.6	9.0	9.1	9.4	9.9
	6H	8.6	8.9	9.1	9.4	10.0
	8H	8.6	8.8	9.2	9.3	9.9
Variations with the observer position for the luminaire spacings, S:						
S = 1.0H		4.7 / -10.8				
S = 1.5H		7.2 / -14.4				
S = 2.0H		9.1 / -18.9				

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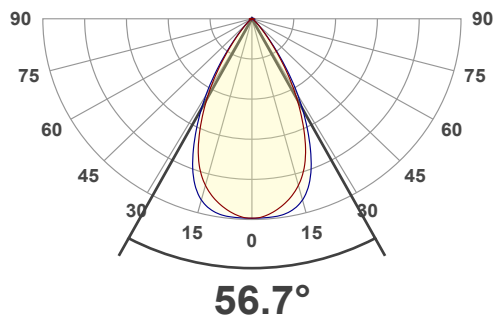
#### ◆ Photometry

DW = Dark Optic "Wide" - (60° wide beam), L10 - 3500K

#### LUMEN SUMMARY

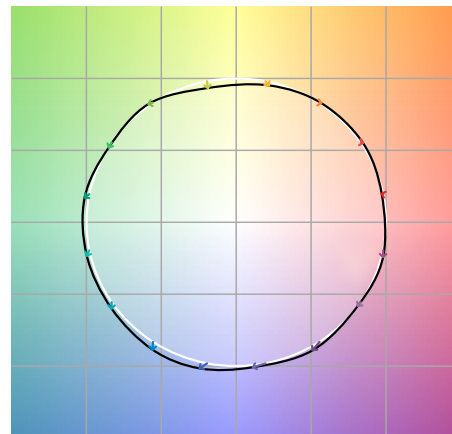
Zone	Lumens	% Fixture
75° - 90°	0.265 lm	0.03%
60° - 75°	1.40 lm	0.18%
45° - 60°	20.8 lm	2.63%
30° - 45°	178 lm	22.53%
15° - 30°	395 lm	50.00%
0° - 15°	190 lm	24.05%

#### ANGULAR DISTRIBUTION



#### COLOR VECTOR GRAPHIC

Hue Bin	$R_f$	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	0%
2	96	1%	-1%
3	94	0%	-1%
4	94	-2%	-3%
5	93	-5%	0%
6	95	1%	3%
7	93	0%	4%
8	94	3%	3%
9	94	2%	3%
10	94	2%	4%
11	92	5%	3%
12	88	4%	-4%
13	89	1%	-9%
14	90	2%	-7%
15	90	0%	-3%
16	90	1%	-5%



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Reflectances						
	ρ Ceiling	70	70	50	50	30
	ρ Walls	50	30	50	30	30
	ρ Floor	20	20	20	20	20
Room size		Viewed Crosswise				
H = mounting height above eye level		(Viewing direction orthogonal to lamp length axis)				
X	Y					
2H	2H	13.6	14.2	13.7	14.5	14.7
	3H	13.3	14.1	13.7	14.3	14.5
	4H	13.2	14.0	13.6	14.2	14.4
	6H	13.2	13.8	13.5	14.1	14.5
	8H	13.2	13.8	13.5	14.1	14.5
	12H	13.1	13.7	13.5	14.0	14.5
4H	2H	13.2	14.0	13.6	14.2	14.4
	3H	13.1	13.7	13.5	14.0	14.5
	4H	13.0	13.5	13.4	13.9	14.5
	6H	12.9	13.5	13.4	13.8	14.1
	8H	12.8	13.3	13.4	13.7	14.1
	12H	12.8	13.2	13.3	13.6	14.1
8H	4H	12.8	13.3	13.4	13.7	14.1
	6H	12.8	13.1	13.3	13.6	14.1
	8H	12.8	13.0	13.3	13.6	14.2
	12H	12.7	12.9	13.3	13.4	14.1
12H	4H	12.8	13.2	13.3	13.6	14.1
	6H	12.8	13.0	13.3	13.6	14.2
	8H	12.7	12.9	13.3	13.4	14.1
Variations with the observer position for the luminaire spacings, S:						
S = 1.0H		4.9 / -13.0				
S = 1.5H		7.5 / -21.5				
S = 2.0H		9.5 / -24.6				