

# Vela 6 - Standard



New high performing 6-inch aperture cylinder with lumen output of 2,794 – 11,605 lm. Available in Aluminum Shrouds, Polycarbonate Shrouds, Translucent Acrylic Diffuser or Clear Acrylic Diffuser options. Suitable for general illumination in a wide variety of project applications.

Quantity	Type
Project	Note

### Electrical System

- 9480lm (100W / STD)
- 11090lm (100W / PCS16)
- 10536lm (100W / ALS16)
- 5929lm (100W / TAD)
- 11605lm (100W / CAD)
- Power Input: Universal (120-277V)
- Operating Temperature: -13°F~112°F
- Surge Protection: 4KV
- Remote Emergency Pack: Bodine BSL20LV

### LED Technology

- 3000K, 3500K, 4000K
- 85 CRI
- Beam Angle: 80°
- Rated Life > 100,000 hours (L70)

### Advanced Dimming

- (Proprietary VX Driver is incorporated to all dimming options for video flicker-free lighting)
- **Standard 0-10V:** dims to 10%

### Housing

- Diameter: 6.4" (164mm)
- Height: Standard / 11.6" (294mm)
- Diffuser / 21.2" (538mm)
- Shroud 16" / 20.4" (518mm)
- Shroud 19" / 21.9" (556mm)
- Shroud 22" / 23.2" (584mm)
- Material: Aluminum, Acrylic
- Weight: Standard / 11.2 lbs
- Diffuser / 12.6 lbs
- Aluminum Shroud 16" / 14.1 lbs
- Aluminum Shroud 19" / 17.2 lbs
- Aluminum Shroud 22" / 21.2 lbs
- Polycarbonate Shroud 16" / 13.2 lbs
- Polycarbonate Shroud 19" / 16.3 lbs
- Polycarbonate Shroud 22" / 18.3 lbs

### Mounting

- Stem 2ft or 4ft
- Adjustable Aircraft Cable 10ft

### Warranty

- 5 years limited warranty.

### Listing

- ETL Damp Location Listed
- FCC
- CE



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## How To Specify:

**Ordering Example:VA6-ALS16-100-408-UNV-STV-BLK-ST2**

**4-5 weeks lead time on over 75% of specifications.**

Model	Type	Wattage	CCT / CRI	Voltage
VA6				UNV
VA6 Vela 6	<b>STD</b> Standard <b>ALS16</b> Aluminum Shroud 16" <b>ALS19</b> Aluminum Shroud 19" <b>ALS22</b> Aluminum Shroud 22" <b>PCS16</b> Polycarbonate Shroud 16" <b>PCS19</b> Polycarbonate Shroud 19" <b>PCS22</b> Polycarbonate Shroud 22" <b>TAD</b> Translucent Acrylic Diffuser <b>CAD</b> Clear Acrylic Diffuser	<b>50</b> 50W <b>75</b> 75W <b>100</b> 100W	<b>308</b> 3000K / CRI85 <b>358</b> 3500K / CRI85 <b>408</b> 4000K / CRI85	<b>UNV</b> 120-277V

Dimming	Finish	Mounting	Accessories
<b>STV</b>			
<b>STV</b> Standard 0-10V dims to 10%	<b>BLK</b> Black <b>WHT</b> White	<b>ST2</b> Stem 2ft <b>ST4</b> Stem 4ft <b>AD10</b> Adjustable Cable 10ft	<b>SPD<sup>1</sup></b> Surge Protector <b>EMP</b> Remote Emergency Pack <b>CON<sup>2,3</sup></b> Conical Lens  <small><sup>1</sup>Surge protector for up to 10KV. Applicable for unstable mains or facilities using high power machinery.  <sup>2</sup>Please factor in -15% change in lumen output with conical lens.  <sup>3</sup>Only available with ALS16, PCS16/19/22</small>

## Current Consumption

Wattage \ Volt	120V	277V
50W	0.46A	0.20A
75W	0.68A	0.30A
100W	0.92A	0.40A

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## Delivered Lumens\*

Wattage	50W	75W	100W
	<b>STD</b>		
CCT			
4000K	4740 lm	7110 lm	9480 lm
3500K	4598 lm	6897 lm	9196 lm
3000K	4468 lm	6702 lm	8936 lm

\*Tolerance±8%

Wattage	50W	75W	100W
	<b>PCS</b>		
CCT			
4000K	5545 lm	8318 lm	11090 lm
3500K	5379 lm	8068 lm	10757 lm
3000K	5227 lm	7840 lm	10453 lm

\*Tolerance±8%

Wattage	50W	75W	100W
	<b>ALS</b>		
CCT			
4000K	5268 lm	7902 lm	10536 lm
3500K	5109 lm	7665 lm	10220 lm
3000K	4965 lm	7448 lm	9930 lm

\*Tolerance±8%

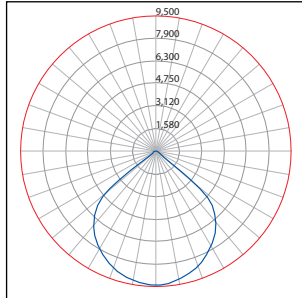
Wattage	50W	75W	100W
	<b>TAD</b>		
CCT			
4000K	2965 lm	4447 lm	5929 lm
3500K	2876 lm	4314 lm	5751 lm
3000K	2794 lm	4191 lm	5588 lm

\*Tolerance±8%

Wattage	50W	75W	100W
	<b>CAD</b>		
CCT			
4000K	5803 lm	8704 lm	11605 lm
3500K	5629 lm	8443 lm	11257 lm
3000K	5470 lm	8204 lm	10939 lm

\*Tolerance±8%

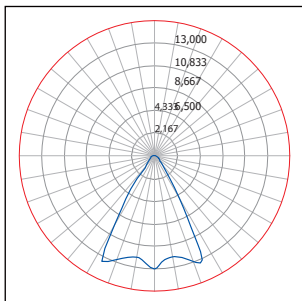
## Typical Photometry Summary



### STD

#### Descriptive Information

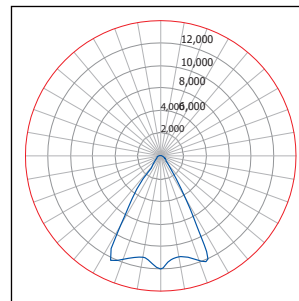
Total delivered lumens: 9,480 Lumens  
 Input watts at 120V: 100 W  
 Efficacy: 94.8 Lumens/Watt Source: LED  
 CCT/CRI: 4000K/85CRI



### PCS

#### Descriptive Information

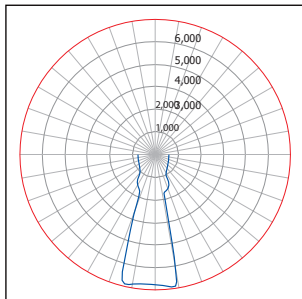
Total delivered lumens: 11,090 Lumens  
 Input watts at 120V: 100 W  
 Efficacy: 110 Lumens/Watt Source: LED  
 CCT/CRI: 4000K/85CRI



### ALS

#### Descriptive Information

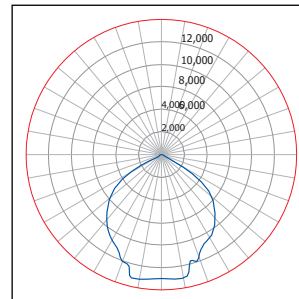
Total delivered lumens: 10,536 Lumens  
 Input watts at 120V: 100 W  
 Efficacy: 105 Lumens/Watt Source: LED  
 CCT/CRI: 4000K/85CRI



### TAD

#### Descriptive Information

Total delivered lumens: 5,929 Lumens  
 Input watts at 120V: 100 W  
 Efficacy: 59.2 Lumens/Watt Source: LED  
 CCT/CRI: 4000K/85CRI



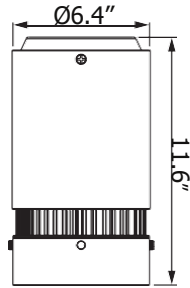
### CAD

#### Descriptive Information

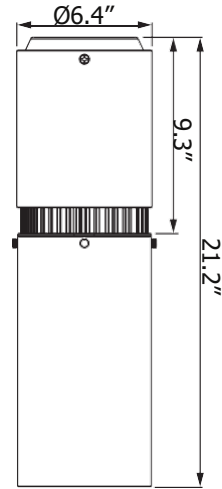
Total delivered lumens: 11,605 Lumens  
 Input watts at 120V: 100 W  
 Efficacy: 116 Lumens/Watt Source: LED  
 CCT/CRI: 4000K/85CRI

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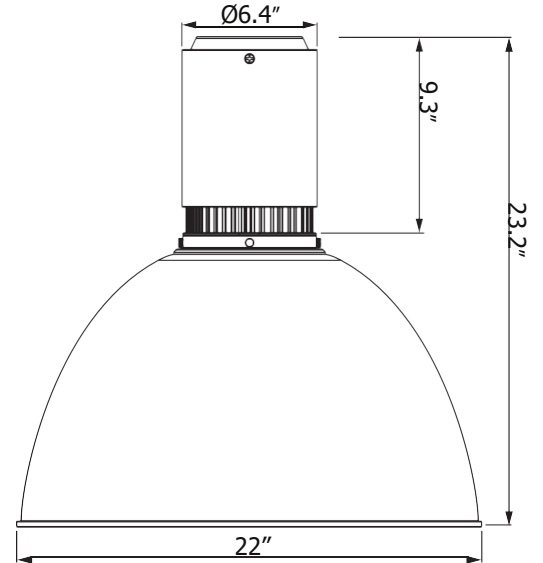
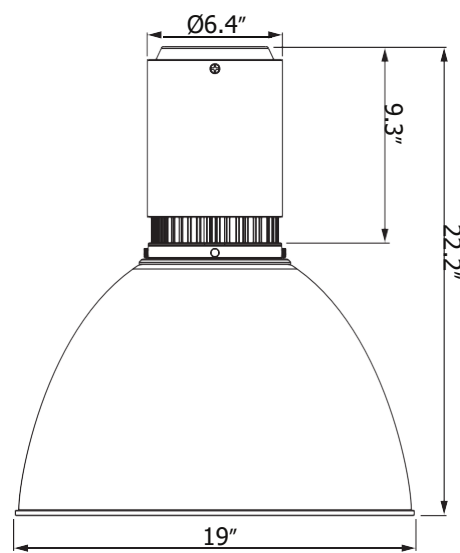
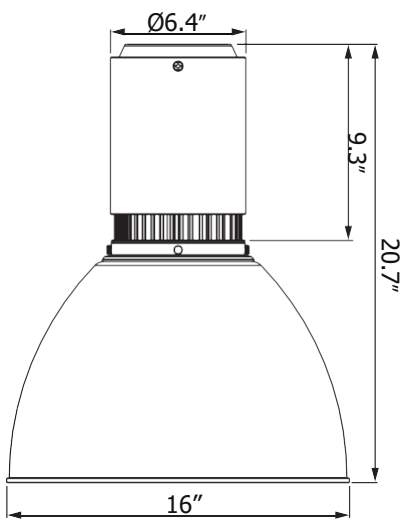
## Dimensions



Standard



Diffuser

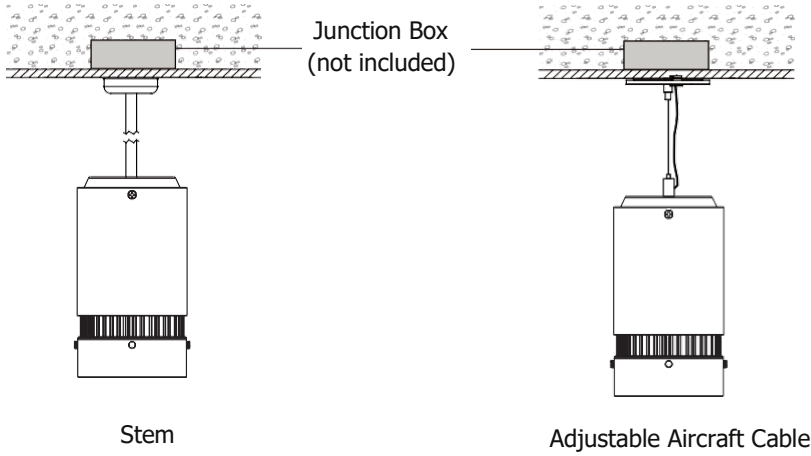


Aluminum Shroud / Polycarbonate Shroud

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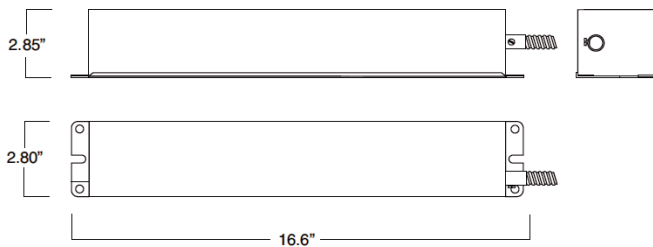
## Mounting Options



## Emergency Pack Lumen Output Table

CCT	3000K	4000K
Lumen	1760 lm	1890 lm

## Remote Emergency Pack



## Mounting with standard ceiling recessed Junction BOX

