



# VOKSLYTE™

Merging the art of metal and the science of light

## TANGENT-UpDown™ Custom Uplight / Downlight Contours



Luminaire: Tangent Up Down Custom Pendants  
Project: Guildford Town Center Mall • Vancouver, BC  
Design: Musson Cattell Mackey Partnership • Pivotal Lighting Design



### Tangent UpDown™ custom lighting contours from VokSLYTE™

Our stunning sculptural luminaires can be furnished in almost any shape or configuration that the designer desires: curves of any radius, rectilinear shapes, curvilinear shapes, free-form shapes, ellipses & ellipsoids, curvatures in plan and in elevation...the list goes on. VokSLYTE™ has no standard geometries, as we manufacture the exact shapes for which the architecture, and the lighting design requires.

Light engines are high efficiency, high CRI (90+) LEDs, and can be furnished in Kelvin temperatures from 2700°K to 4000°K. RGBW and variable white are also available.



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- High quality heavy aluminum construction
- Highly light-transmissive translucent acrylic lens
- Uplight and Downlight LEDs are independently controllable
- An infinite variety of circular, elliptical, rectilinear or curvilinear shapes
- Sections join together seamlessly with no light leakage
- Manufactured to exacting dimensional tolerances
- Long-life tightly binned Luminus LEDs (90+ CRI)
- Dimmable constant-current drivers are integral to the luminaire
- Constant-voltage remote drivers are dimmable via 0-10 or DMX control
- Can be painted in almost any commercially available powder coat color
- Contractor-friendly replaceable LED boards and drivers
- Available in RGBW (DMX control) and variable white (please contact the factory)
- UL dry and damp location listed
- Made in the USA



### Dimensional Design Information

The tangent system is composed of multiple segments which seamlessly join together. A multi-segment luminaire has no maximum length.

- Typical segment length: 60 to 72 inches
- Minimum continuous radius: 12-inch outside radius
- Minimum corner radius: 6-inch outside radius
- Maximum radius: Infinite

### Electrical Information

Input voltage: 120-277 (integral 0-10 volt dimmable drivers)  
120-277 (remotely located DMX dimmable drivers)

- Standard-Output Watts (constant current, integral driver): 6 watts/foot uplight + 6 watts/foot downlight
- High-Output Watts (constant current, integral driver): 9 watts/foot uplight + 9 watts/foot downlight
- Mid-Output Remote driver Watts (constant voltage): 8 watts/foot uplight + 8 watts/foot downlight
- DMX controlled RGBW (constant voltage, remote driver): 6 watts/foot uplight + 6 watts/foot downlight

### Dimming Information

Integral constant current drivers will dim to 5-10%  
Remote DMX controlled drivers will dim to 1%

### White LED Kelvin Temperatures

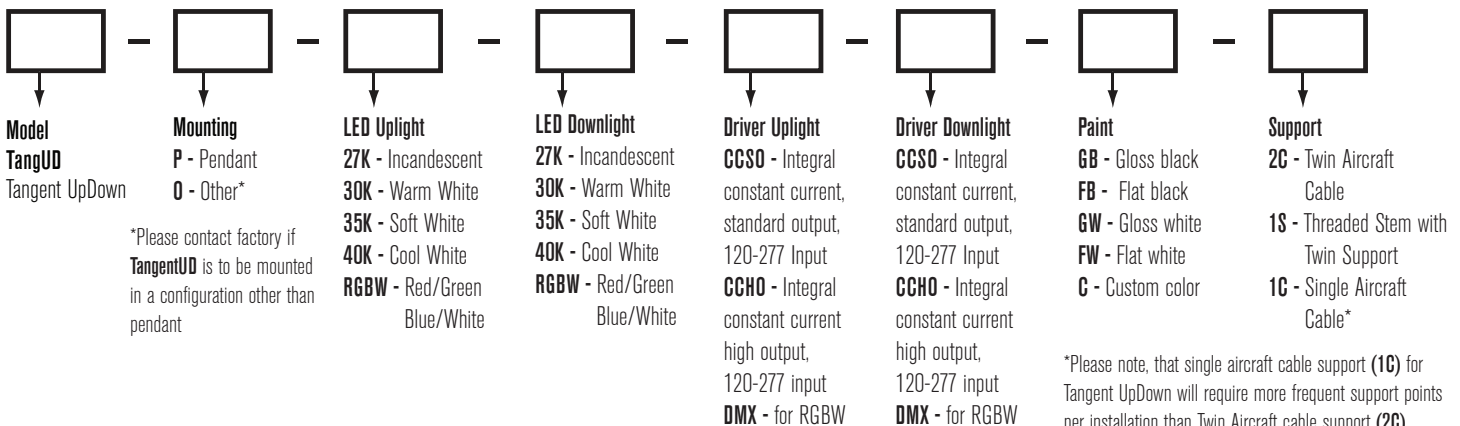
Please Note: These values are delivered lumens and delivered efficacies (lumens and efficacies measured directly at the LED surface are far higher). Lumens per foot and efficacies reflect uplight light output and downlight output individually. Total lumens would be double the amounts shown below.

CC= Constant Current

Cat. No.	Description	CCSO		CCHO		CVMO	
		Lumens/ft.	Efficacy	Lumens/ft.	Efficacy	Lumens/ft.	Efficacy
27K	Incandescent 2700°K	357	64 Lumens/watt	552	65 Lumens/watt	430	60 Lumens/watt
30K	Warm White 3000°K	376	66 Lumens/watt	581	66 Lumens/watt	453	62 Lumens/watt
35K	Soft White 3500°K	395	71 Lumens/watt	610	72 Lumens/watt	476	66 Lumens/watt
40K	Cool White 4000°K	414	74 Lumens/watt	639	75 Lumens/watt	498	69 Lumens/watt

### A word about how to order...

Tangent is essentially a very simple product that can be made to do very complex things. We however, feel strongly that the ordering process shouldn't be complex. We don't have complicated families of fixed curvatures from which to choose, which makes the specifier's job infinitely easier. Just draw your shape(s) on the reflected ceiling plan, create your catalog number, and let VoksLyte do the rest.



Specifications are subject to change at manufacturer's discretion.



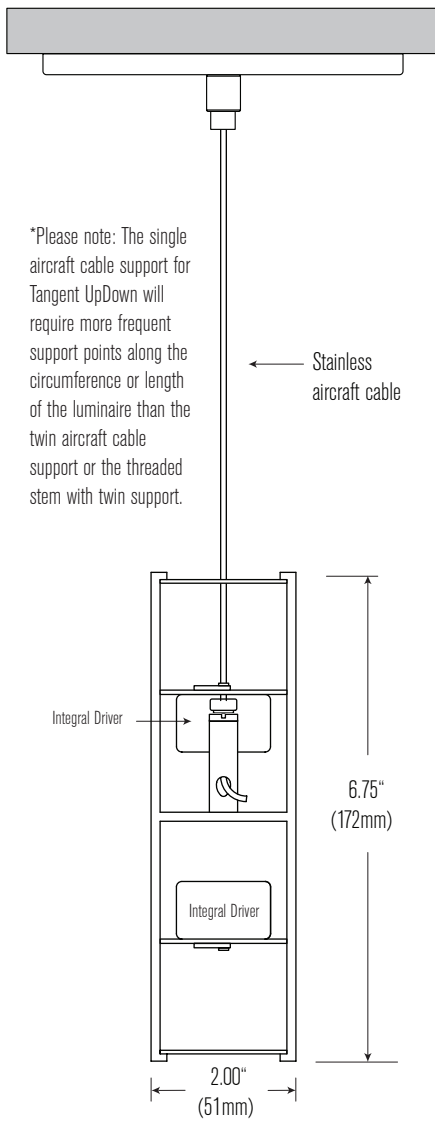
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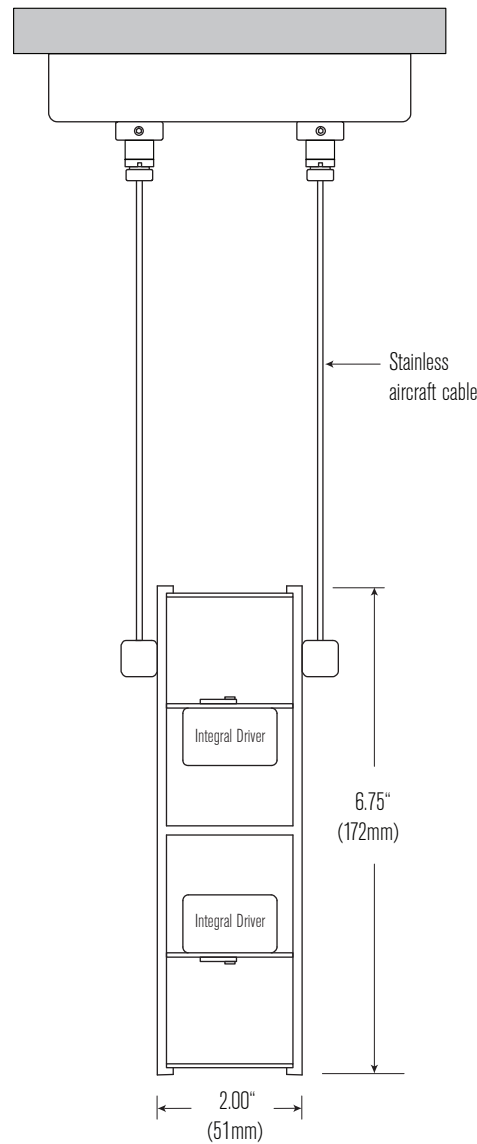
## TANGENT-Down™ Custom Uplight / Downlight Contours

### Mounting Options

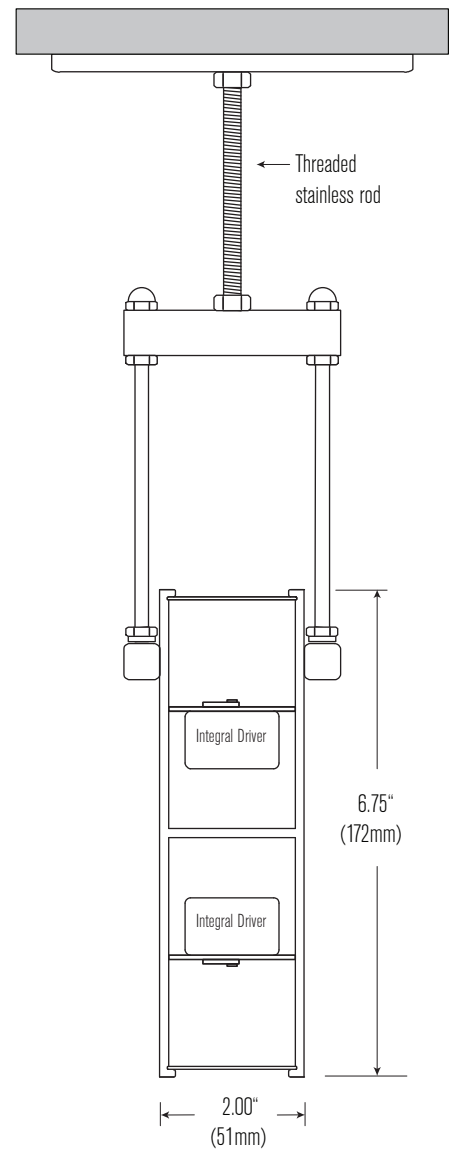
#### Single Aircraft Cable Support\*



#### Twin Aircraft Cable Support



#### Threaded Stem with Twin Support





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### Photometric Information

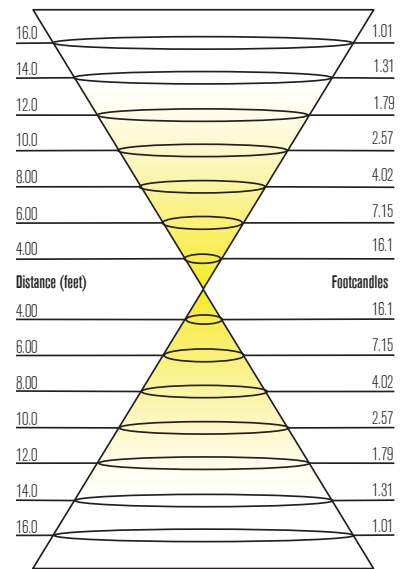
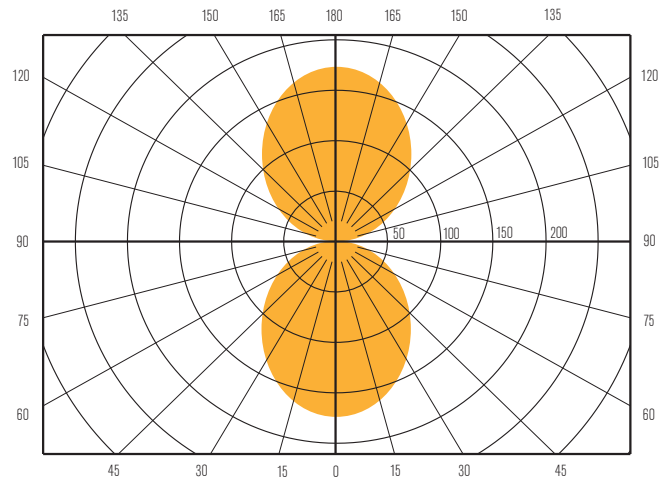
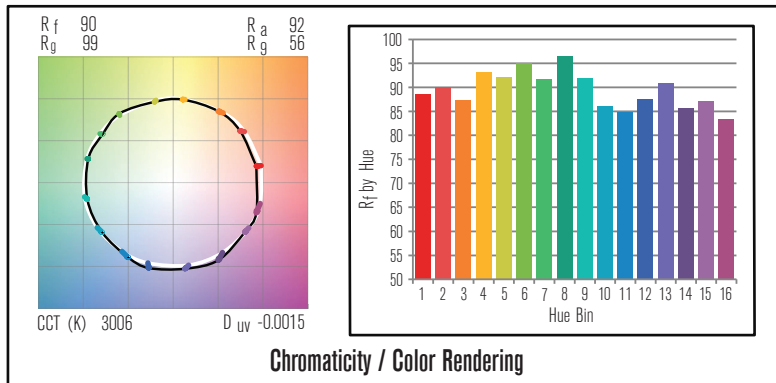
IES Files available for download on the VokSLyTE website:

[www.VokSLyTE.com/photometry/](http://www.VokSLyTE.com/photometry/)

Use the following multiplication factors for these color temperatures.

Please note that these multipliers are to be applied to both the downlight and uplight values individually.

<b>27K</b>	Incandescent 2700°K:	multiply by <b>0.95</b>
<b>30K</b>	Warm White 3000°K:	multiply by <b>1</b>
<b>35K</b>	Soft White 3500°K:	multiply by <b>1.05</b>
<b>40K</b>	Cool White 4000°K:	multiply by <b>1.1</b>



### Capabilities & Design Guidelines

As a custom manufacturer using standardized profiles, VokSLyTE is able to create almost any shape imaginable. Tangent UpDown can be provided in radii as small as 6-inches (outside radius) or as large as 1000-feet...and beyond. We can seamlessly intersect fixture shapes. We can provide custom miters on any corner or endpiece. Because of the physical size of Tangent UpDown and the limitations of our bending process, we can only curve this luminaire in plan, not elevation. However, if your design idea is not covered within the confines of our catalog or website, please feel free to contact the factory for assistance...we are always willing to assist you in making something new or novel.



Tangent UpDown in a large custom circles and large perimeter arcs

### Specifications

**Luminaire** - Extruded aluminum in baked powder coated finish as specified. Fabricated to curvatures and/or lengths specified.

**LED Light Engine** - Luminus 2700°K, 3000°K, 3500°K, 4000°K or RGBW

**Integral Driver** - Constant current class 2 UL-recognized 0-10 dimmable. Sound rated A - Complies with FCC 47 CFR Part 15.

**Remote Driver** - Constant voltage class 2 UL-Listed 0-10 dimmable or DMX. Sound rated A - Complies with FCC 47 CFR Part 15.

**Lens** - High light transmission translucent acrylic.