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# Vaya Tube

RGB, Ethernet & DMX, 1.2 m (4 ft) 150 mm (6 in) Pitch, UL, CE, CQC

## Compact linear direct view luminaire for dynamic media & graphic effects

Vaya Tube is a compact direct view linear LED lighting solution for exterior accent and low-resolution graphic lighting applications. Designed for media graphics with a resolution up to 150 mm, the DMX and KiNet-controllable system can transform entire facades with bright and uniform light, in either RGB or White/Mono color. The light-weight luminaire minimizes the loading onto structures and cladding elements, while run-lengths of up to 12 m (40 ft) per Control Module port (x2) allow for flexible wiring. Simple push'n'click connectors ensure a simple, fast and reliable installation.



- **Slim & Light-Weight** - The slim form factor, different length options and light-weight of the luminaire ease the integration into façade cladding elements and minimize excess loading onto architectural structures.
- **Uniform & Bright** - Create a uniform band of light in a wide 180 degree viewing angle, while ensuring high visibility with an output of 300 lm / 68 cd per 1.2 m (4 ft)
- **Contour & Content** - Whether outlining the contour of a building, placing accents onto a façade or creating a media display of dynamic graphics, Vaya Tube places a variety of control options at your fingertips from static on/off setups to dynamic control in resolutions ranging from entire runs down to 150 mm (6 in) segments.
- **Simple Wiring & Long Runlengths** - With up to 12 m (40 ft) per Control Module port (x2), Vaya Tube offers flexibility in wiring and minimizes the number of required protrusions to the interior of the building. Waterproof daisychain-connectors, combining low voltage power and data, make for simple, fast and reliable wiring connections.

For detailed product information, please refer to the Vaya Tube Product Guide at [www.colorkinetics.com/vaya/tube-rgb/](http://www.colorkinetics.com/vaya/tube-rgb/)

**COLORKINETICS**  
vaya series

# Specifications

Due to continuous improvements and innovations, specifications may change without notice.

## Output

LED Channels	Red/Green/Blue
Beam Angle	165° x 110°
Lumens All Channels Full On†	303
On-Axis Candela	69

## Electrical

Input Voltage	24 VDC
Power Consumption	14 W <i>(Maximum at full output, steady state)</i>

## Control

### Control System

Full range of Color Kinetics controllers and trigger devices, as well as Dyalite or third-party controllers

Interface	Kinet or DMX via Vaya Control Module
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## Lumen Maintenance

Threshold§	Ambient Temperature	Reported¶	Calculated¶
L70	25 °C	> 60,000	> 88,000
	50 °C	> 60,000	> 88,000
L50	25 °C	> 60,000	> 100,000
	50 °C	> 60,000	> 100,000

## Physical

Dimensions <i>(Height x Width x Depth)</i>	66 x 1,200 x 47 mm (3 x 47.2 x 2 in) <i>Including mounting bracket</i> 66 x 1,200 x 34 mm (3 x 47.2 x 1 in) <i>Excluding mounting bracket</i>
Weight	780 g (1.7 lb)
Housing Material	Extruded polycarbonate, dark grey
Lens	Translucent plastic
Temperature Range	-40 to 50 °C (-40 to 122 °F) Operating -20 to 50 °C (-4 to 122 °F) Startup -40 to 80 °C (-40 to 176 °F) Storage
Mechanical Impact	IK09
Humidity	0 to 95%, non-condensing

## Luminaire Run Lengths

To calculate luminaire run lengths for your specific installation, download the Configuration Calculator from <http://www.colorkinetics.com/vaya/Configuration-Calculator/>

## Certification and Safety

Approbation	UL/cUL, FCC Class A, CE, CQC, RCM
Environment	Dry/Damp/Wet Location, IP66

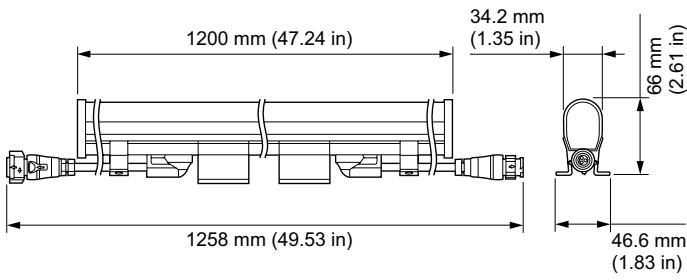


† Lumen output measurements comply with IES LM-79-08 testing procedures.

§ Lxx = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B50, or the median value where 50% of the LED population is better than the reported or calculated lumen maintenance measurement.

¶ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

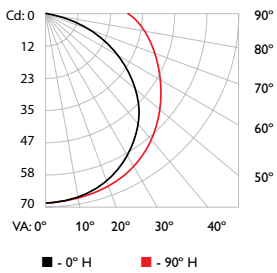
# Dimensions



# Photometrics RGB, Ethernet & DMX, 1.2 m (4 ft) 150 mm (6 in) Pitch, UL, CE, CQC

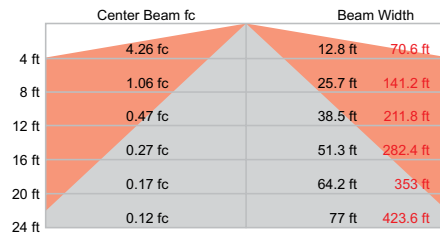
Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at [www.colorkinetics.com/support/ies](http://www.colorkinetics.com/support/ies).

## Polar Candela Distribution



	0	22.5	45	67.5	90
0	68	68	68	68	68
5	68	68	68	68	68
15	66	66	66	67	67
25	62	61	62	65	65
35	56	55	57	61	61
45	48	47	51	55	57
55	38	38	44	50	51
65	25	28	38	44	46
75	12	19	31	37	39
85	2	12	24	30	33
90	0	9	21	27	30

## Illuminance at Distance



8.2 ft (2.5 m)  
1 fc maximum distance

■ Vert. Spread: 116.1°  
■ Horiz. Spread: 167.1°

# Luminaire and Accessories

Use Item Number when ordering in North America

## Luminaire

	Item Number	Item 12NC
Vaya Tube, RGB, Ethernet & DMX, 1.2 m (4 ft) 150 mm (6 in) Pitch, UL, CE, CQC	316-000014-03	912400130501

## Accessories

Vaya Control Module, Ethernet & DMX, 24V, IP66, 2-Port	320-000014-01	912400130537
Vaya Tube Leader-Jumper Cable, 15 m (50 ft), UL, CE, CQC	308-000014-05	912400133652
Vaya Tube Leader-Jumper Cable, 1.5 m (5 ft), UL, CE, CQC	308-000014-04	912400133651
Vaya Tube Leader-Jumper Cable, 0.3 m (1 ft), UL, CE, CQC	308-000014-09	912400134183

## Power Supplies

Power Supply, 320 W 24V, 100 to 277 V, IP67, UL/CE/PSE	309-000014-01	912400130539
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## Replacement Parts

Spare Part, X-Lock Terminator, 1PC	320-000014-02	912400134540
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