Vaya Tube

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

Exterior compact linear direct view luminaire with dynamic color–changing lighting 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/global/products/vaya/tube-rgb/

COLOR**KINETICS**
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 (Maximum at full output, steady state)	14 W

Control

Control System

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

Interface	Kinet or DMX via Vaya Control Module

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

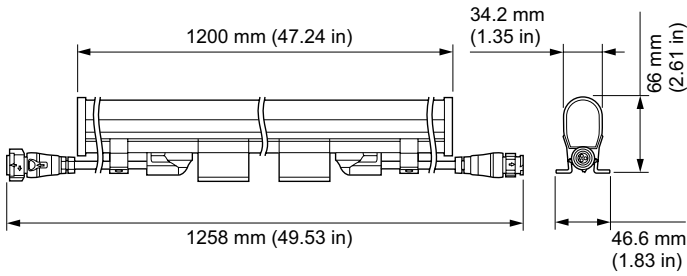|	
Dimensions (Height x Width x Depth)	66 x 1,200 x 46.6 mm (2.6 x 47.24 x 1.83 in) Including mounting bracket 66 x 1,200 x 34.2 mm (2.6 x 47.24 x 1.35 in) Excluding mounting bracket
Weight	780 g (1.7 lb)
Housing Material	Extruded polycarbonate, dark grey
Lens	Translucent plastic
Temperature Range	-40 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

1200 mm (47.24 in) · 34.2 mm (1.35 in) · 66 mm (2.61 in)
1258 mm (49.53 in) · 46.6 mm (1.83 in)
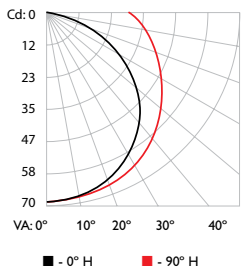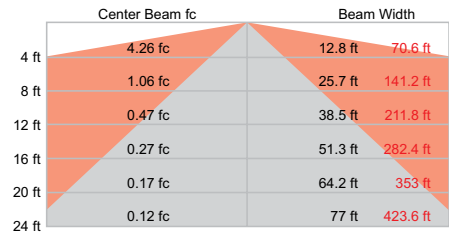
Photometrics RGB, 1.2 m (4 ft), UL/CE/CQC

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

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

■ - 0° H   ■ - 90° H

Illuminance at Distance

	Center Beam fc	Beam Width	
4 ft	4.26 fc	12.8 ft	70.6 ft
8 ft	1.06 fc	25.7 ft	141.2 ft
12 ft	0.47 fc	38.5 ft	211.8 ft
16 ft	0.27 fc	51.3 ft	282.4 ft
20 ft	0.17 fc	64.2 ft	353 ft
24 ft	0.12 fc	77 ft	423.6 ft

8.2 ft (2.5 m)
1 fc maximum distance

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

Luminaire and Accessories

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

COLORKINETICS **vaya** series

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