

Date

Project

Notes

PIXEL RIBBONLYTE

Pixel RibbonLyte allows customized patterns of light that can be programmed to a single LED! Your designs are only limited by your imagination. Program each RGB LED pixel individually with SPI controls to create the most precise moving effects, patterns, chases and more throughout large light displays. Control 18 pixels per foot (60 pixels per meter)!

- 5.3 W/ft (17.5 W/m)
- 0.66 in. (16.66 mm) LED (pixel) spacing
- 18 LEDs/ft (60 LEDs/m)
- 3.94 in. (100 mm) cuttable length
- 137 lm/ft (450 lm/m) all on
- 24 ft, 7.2 in. (7.5 m) max. run length
- Use with SPI controls

CE

- 24V input
- 5-year warranty

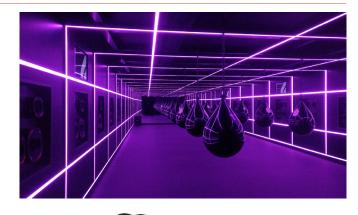
Applications:

Commercial Entertainment Healthcare Hospitality Museums Public Spaces



Residential

Retail





ORDERING GUIDE

Category	CRI	Ribbon Type & IP Rating	Wattage + Color	Control
RB	0	RGBADD	5.3RGB	S
RB - RibbonLyte	0 - Color Changing	RGBADD - RGB Pixel IP20	5.3RGB - 5.3 W/ft (17.5 W/m) RGB	S - SPI

CONTROLLERS:

 C4 Extended Controller Part # for 1 universe model: CTRLPIXEL1 Part # for 2 universe model: CTRLPIXEL2 Part # for 4 universe model: CTRLPIXEL4 Part # for 8 universe model: CTRLPIXEL8

2. C4 Live Controller Part # for 4 universe model: CTRLPIXELLIVE4 Part # for 8 universe model: CTRLPIXELLIVE8 Part # for 12 universe model: CTRLPIXELLIVE12 Part # for 16 universe model: CTRLPIXELLIVE16 Part # for 24 universe model: CTRLPIXELLIVE24

3. PxLNet Controller Part #: CTRLPIXEL96

DRIVERS:

- 1. 24V 60W Non-dimmable Driver Part #: DRVW2460
- 2. 24V 96W Non-dimmable Driver Part #: DRVW2496

AVAILABLE COLORS





SPECIFICATIONS / DIAGRAM / USAGE GUIDELINES

	PIXEL RIBBONLYTE			
Operating Voltage	24 V			
Power Consumption	5.3 W/ft (17.5 W/m)			
IC Code	16-bit (Default) WS2813A			
Current (mA) - 24V	222 mA/ft (730 mA/m)			
LED Pitch	18 LEDs/ft (60 LEDs/m)			
Protection Rating	IP20			
Dimming/Control	SPI			
Ambient Temperature	-4° F to 140° F (-20° C to 60° C)			
Storage Temperature	-40° F to 176° F (-40° C to 80° C)			
Colors	RGB			
Lumens	137 lm/ft (450 lm/m)			
LED Beam Angle	120°			
Lamp Life	50,000 Hours			
Cuttable Length	3.94 in. (100 mm)			
Constant Voltage	\checkmark			
Max Run Length	24 ft 7.2 in. (7.5 m)			
Cable Length Attached to RibbonLyte	11.81 in. (30 cm)			
Cable Type	H05RN-F3xG0.75			
Certifications	EN 62471, EN 60598-1, EN 60598-2-20, EN 62031, EN 62493, CE			
Warranty	5 years			
DIMENSIONS Top View	Side View Dimensions			
IP20 CUTTABLE EVERY: 3.94 in (1	Image: Constraint of the second sec			

USAGE GUIDELINES

• IP20 RibbonLyte products are for indoor use in dry areas only.

Please refer to the RibbonLyte Proper Usage Guide in our Application Guide for more information. Available for download at AcolyteLED.com.

• This product is compatible with a wide variety of control products including C4 and PxLNET controls and the entire line of Lutron dimming systems.

- For use with Acolyte drivers. Use with non-Acolyte supplied drivers is not supported or warrantied.
- Due to the nature of RibbonLyte products, cuttable lengths are generally longer or shorter than the customer requested length unless specified, RibbonLyte is factory cut at the shorter cuttable point.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.



CHANNEL COMPATIBILITY / CHANNEL OPTIONS

CHANNEL	IP20
AC1	~
AC2	~
AC3	~
AC4	~
AC5	~
AR1	~
AR3	~
AR10	
AR16	~
AR20	~
AR25	~
AR30	~
AR33	
AS1	~
AS2	~
AS3	~
AS6	~
AS10	
AS13	~
AS16	~
AS20G	~
AS23	~
AS30	~
AS53	
AT4	~
AT5	~
AW12	~
AW14	~
AW38	~
B1	~
SC3	~
SC4	~
SC5	~
WH35	~



W: 0.68 in. / 17.2 mm H: 0.34 in. / 8.7 mm Inside: 0.57 in. / 14.6 mm



AS13 / round milky W: 1.31 in. / 33.4 mm H: 1.29 in. / 32.7 mm Inside W: 1.22 in. / 31 mm Inside H: 1 in. / 25.3 mm

ΔΤ4

AC1

17 AR1

W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm

CORNER CHANNELS

W: 0.63 in. / 16 mm H: 0.63 itn. / 16 mm Inside W: 0.48 in. / 12.2 mm

RECESSED CHANNELS



AT5

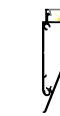
AC2

W: 0.63 in. / 16 mm H: 0.63 in. / 16 mm Inside W: 0.48 in. / 12.2 mm

AS13 / square milky W: 1.31 in. / 33.4 mm H: 1.37 in. / 34.8 mm Inside W: 1.22 in. / 31 mm Inside H: 1.07 in. / 27.3 mm

AS2

W: 0.7 in. / 17.8 mm H: 0.6 in. / 15.2 mm Inside: 0.49 in. / 12.5 mm



AW12 W: 0.91 in. / 23 mm H: 2.17 in. / 55 mm Inside W: 0.56 in. / 14.2 mm Inside H: 0.22 in. / 5.5 mm W: 0.77 in. / 19.6 mm H: 0.74 in. / 18.8 mm Inside W: 0.66 in. / 16.8 mm

AC3

W: 0.74 in. / 18.8 mm H: 0.74 in. / 18.8 mm Inside W: 0.48 in. / 12.2 mm



AC4

W: 1.17 in. / 29.72 mm H: 1.17 in. / 29.72 mm Inside W: 0.8 in. / 20.32 mm

AS3

AS23

W: 0.91 in. / 23 mm H: 0.99 in. / 25.1 mm Inside W: 0.83 in. / 21 mm Inside H: 0.72 in. / 18.2 mm

W: 0.93 in. / 23.6 mm H: 0.42 in. / 10.7 mm Inside: 0.81 in. / 20.6 mm

W: 1.5 in. / 38 mm H: 1.31 in. / 33.4 mm Inside W: 1.22 in. / 31 mm Inside H: 1.17 in. / 29.8 mm

AS6

W: 0.89 in. / 22.5 mm H: 0.62 in. / 15.7 mm Inside: 0.71 in. / 18 mm

AS23 / square milky

W: 0.91 in. / 23 mm H: 1.59 in. / 40.5 mm Inside W: 0.83 in. / 21 mm Inside H: 1.32 in. / 33.4 mm



B1

W: 0.77 in / 19.6 mm H: 0.26 in / 6.5 mm Inside W: 0.69 in / 17.6 mm

W: 1.11 in. / 28.19 mm H: 1.11 in. / 28.19 mm Inside W: 0.8 in. / 20.32 mm



AR25

W: 1.75 in. / 44.4 mm H: 0.94 in. / 24 mm Inside W: 1.22 in. / 31 mm Inside H: 0.91 in. / 23 mm



AR30 W: 1.75 in. / 44.4 mm H: 0.55 in. / 14 mm Inside W: 1.22 in. / 31 mm Inside H: 0.51 in. / 13 mm



W: 0.9 in. / 22.9 mm H: 0.31 in. / 7.87 mm Inside W: 0.49 in. / 12.5 mm

AW14 W: 0.98 in. / 24.9 mm H: 1.31 in. / 33.4 mm Inside W: 0.58 in. / 14.8 mm Inside H: 0.63 in. / 16 mm

AR3 W: 1.2 in. / 30.5 mm H: 0.39 in. / 9.9 mm Inside W: 0.81 in. / 20.6 mm



AR16





SC3 Overall W: 2.62 in. / 66.6 mm Visible W: 0.88 in. / 22.35 mm H: 0.55 in. / 14 mm Inside W: 0.69 in. / 17.5 mm



W: 1.18 in. / 30 mm H: 0.8 in. / 20.4 mm Inside W/H: 0.83 in. / 21 mm Inside H: 0.73 in. / 18.5 mm

AR20

SC4



Overall W: 2.5 in. / 63.4 mm Visible W: 1.31 in. / 33.4 mm H: 0.63 in. / 15.9 mm Inside W: 1.22 in. / 31 mm Inside H: 0.5 in. / 12.9 mm

SC5 Overall W: 2.5 in. / 63.4 mm Visible W: 1.31 in. / 33.4 mm H: 0.94 in. / 24 mm Inside W: 1.22 in. / 31 mm Inside H: 0.83 in. / 21 mm



AS16

AS30

W: 0.74 in. / 18.8 mm H: 0.73 in. / 18.6 mm Inside W: 0.65 in. / 16.4 mm Inside H: 0.63 in. / 16 mm

W/H: 1.31 in. / 33.4 mm H: 1.17 in. / 29.6 mm Inside W: 1.17 in. / 29.8 mm Inside H: 0.93 in. / 23.6 mm

AS20G





WH35 W: 1.37 in. / 35 mm H: 1.47 in. / 37.5 mm Inside: 1.23 in. / 31.2 mm



WIRING DIAGRAMS

