DL-FLEX2-BEAM-DB

DUAL BENDING WALL WASHER
LED FLEXIBLE LIGHTING WITH INTEGRAL OPTICS

Fixture Type	
Project	
Notes	

DL-FLEX2-BEAM-DB is a specification-grade flexible linear lighting system that bends and twists to follow the contours of any surface with precision to accentuate architectural features, enhance retail displays, or create captivating visual effects. With a fixed beam spread, each diode is encapsulated in a 30°optic lens, making it the perfect solution for wall washing any indoor or outdoor, straight or curved surface, providing uniform brightness from end to end. Built to order up to 16' in increments of 12", **DL-FLEX2- BEAM-DB** may be mounted with a variety of mounting clips. May be dimmed when powered by a dimmable power supply. Designed for dry, damp and wet locations. Ships quickly, ready-to-install.

24V DC | DIMMABLE | 12 IN MIN RUN | 16FT MAX RUN | WET OUTDOOR | IP65 | -4° to 104° F | L70 50,000 HOURS | 5 YEAR WARRANTY | cULus LISTED | ASSEMBLED IN THE USA

SPECIFICATIONS

INPUT VOLTAGE	24V DC
WATTAGE	5.8 W/Ft
LUMENS	540 Lm/Ft @ 4000K
LEDs/Ft.	8 LEDs /Ft.
COLOR RENDERING INDEX	90+
BEAM ANGLE	Integral 30° Optic on each diode
DIMMING INPUT[1]	0-10V / MLV/ ELV / TRIAC / C•L
	tuya RF & Wifi Smart Control, see page 6
	CASAMBI READY, see page 7
DIMENSIONS	⅞" W x ½" H
MAX RUN / MIN RUN[2]	16 feet / 12 inch

* Consult Factory for availability and lead time
[1] Must be paired with compatible JESCO dimmable driver or controller.

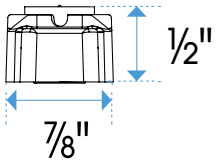
ENVIRONMENT	Indoor / Outdoor - Dry, Damp & Wet (IP65)
OPERATING TEMPERATURE[3]	-4° to 104°F (-20° to 40°C)
CERTIFICATIONS	cULus Listed
LUMEN MAINTENANCE[4]	50,000 hours
WARRANTY[5]	5 years

[2] Single runs can not exceed max run length.
[3] Exceeding the ambient or operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and/or adversely impact color consistency. It is recommended adequate airflow be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure and void the warranty.
[4] TM21 Calculation based on LM80 report
[5] Low Voltage LED Flexible Linear shall have a limited warranty of up to five (5) years from the original date of shipment. All LED Flexible Linear products will be deemed defective if there is a failure of 10% or more of the LED components. Where a replacement is warranted, custom cut-to-order LED Flexible Linear will only be replaced as originally ordered. See published warranty terms for detailed information.

PERFORMANCE

COLOR TEMPERATURE[6]	LUMENS[7]	WATTAGE	EFFICACY	CRI
3000K	514 Lm	5.8 W	88 Lm/W	90+
3500K	520 Lm	5.8 W	90 Lm/W	90+
4000K	540 Lm	5.8 W	95 Lm/W	90+

[6&7] CCT within +/- 10%



BASIC ORDERING INFO

STEP 1 TERMINATIONS
MODEL
DL-FLEX2-BEAM-DB-PC12-HW
12" cord with hardwire lead
See page 2

STEP 2 CCT / LENGTH
MODEL
DL-FLEX2-BEAM-DB

COLOR TEMPERATURE
3090 - 3000K | 514 Lm/ft
3590 - 3500K | 520 Lm/ft
4090 - 4000K | 540 Lm/ft

LENGTH
12" increments up to 9ft

STEP 3 ENDCAP
MODEL
DL-FLEX2-BEAM-DB-EC
See page 2

STEP 4 MOUNTING ACCESSORIES
See page 3

STEP 5 POWER SUPPLIES
See page 5

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LED FLEXIBLE LIGHTING WITH INTEGRAL OPTICS

JESCO LIGHTING GROUP

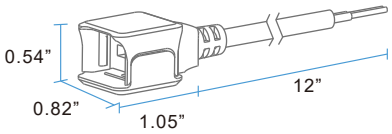
Fixture Type	
Project	
Notes	

TERMINATION & MOUNTING OPTIONS

Terminations are factory sealed to DL-FLEX2-BEAM strip

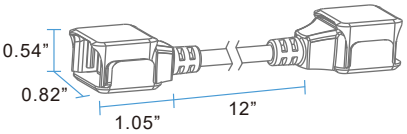
1

PART NUMBER	DL-FLEX2-BEAM-DB-PC12-HW
DESCRIPTIONS	12" cord with hardwire leads
ENVIRONMENT	Indoor, Outdoor



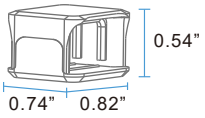
2

PART NUMBER	DL-FLEX2-BEAM-DB-CC12
DESCRIPTIONS	12" connecting cable
ENVIRONMENT	Indoor, Outdoor



3

PART NUMBER	DL–FLEX2-BEAM-DB-IC
DESCRIPTIONS	I joint connector
ENVIRONMENT	Indoor, Outdoor



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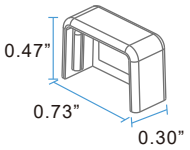
PART NUMBER	DL-FLEX2-BEAM-DB-EC
DESCRIPTIONS	ENDCAP
ENVIRONMENT	Indoor, Outdoor



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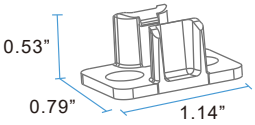
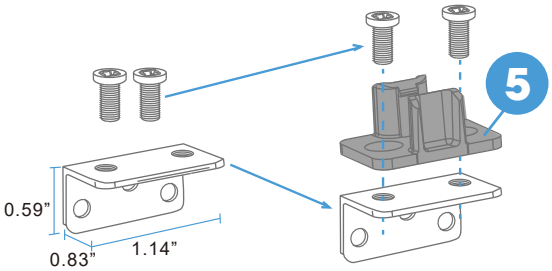
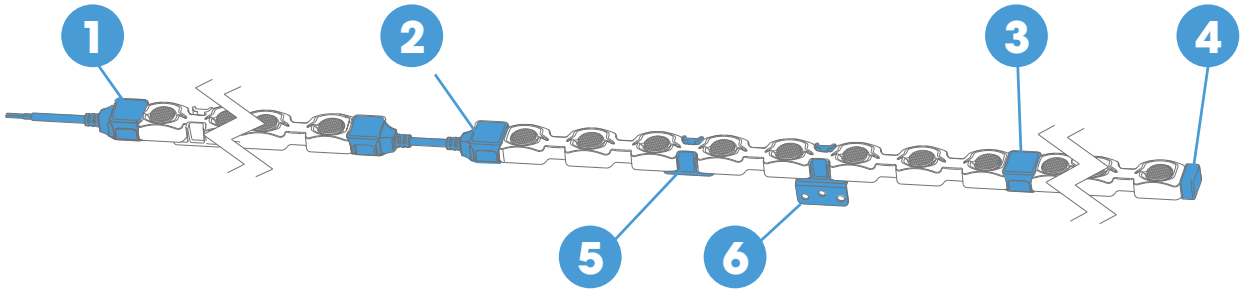
PART NUMBER	DL-FLEX2-BEAM-DB-MC
DESCRIPTIONS	Mounting clip
ENVIRONMENT	Indoor, Outdoor



6

PART NUMBER	DL-FLEX2-BEAM-DB-BR
DESCRIPTIONS	90° bracket
	Must use with mounting clip
ENVIRONMENT	Indoor, Outdoor





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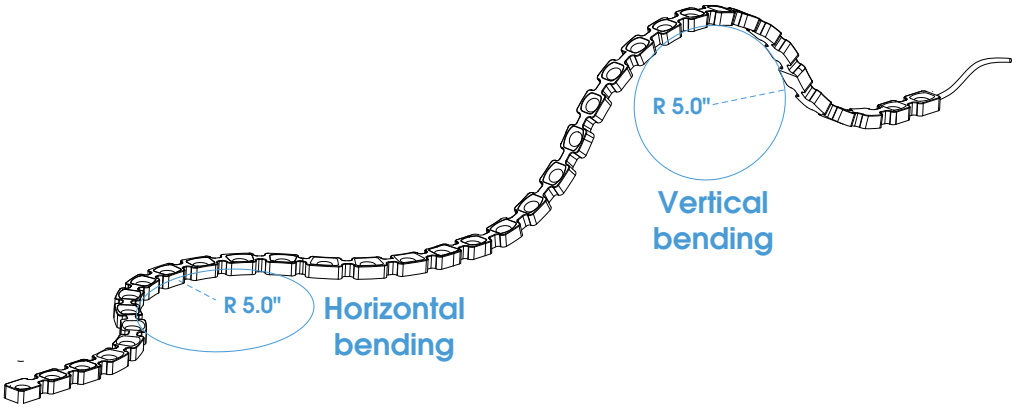
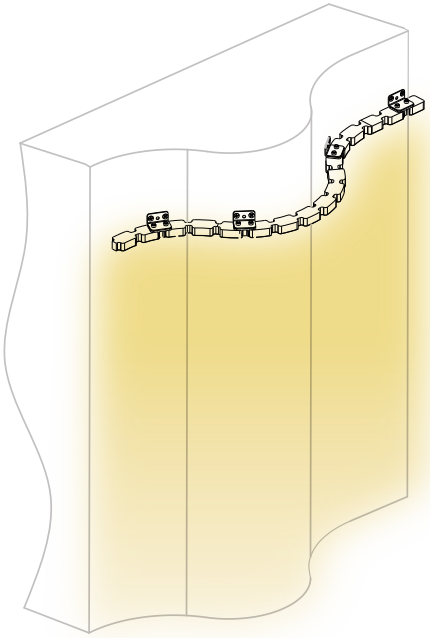
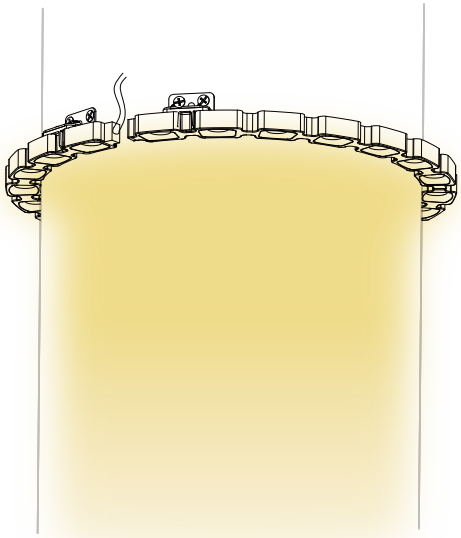
Fixture Type	
Project	
Notes	

MOUNTING OPTIONS

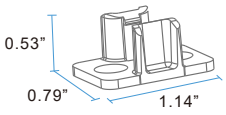






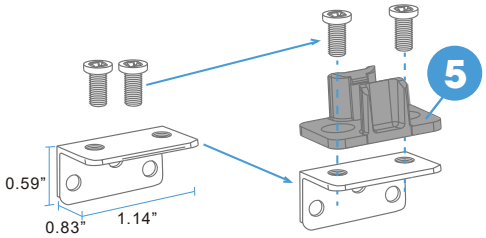
5

PART NUMBER	DL-FLEX2-BEAM-DB-MC
DESCRIPTIONS	Mounting clip
ENVIRONMENT	Indoor, Outdoor



6

PART NUMBER	DL-FLEX2-BEAM-DB-BR
DESCRIPTIONS	90° bracket
	Must use with mounting clip
ENVIRONMENT	Indoor, Outdoor



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Fixture Type	
Project	
Notes	

LED POWER SUPPLIES • 24V DC

Wall plug

Desktop

Hardwire

Hardwire w/ J-Box

Hardwire w/ J-Box

Intertek

	MODELS	IP RATING	INPUT TERMINATION	INPUT VOLTAGE	DIMMING	DIMENSIONS	DOWNLOAD
24W	DL-PS-WP24/24	Indoor/dry	Wall Plug	120V AC	No*	3 ¼" L x 1 ¾" W x 1 ¼" H	SPEC
	DL-PS-24/24	Indoor/dry	Desktop Plug-in	120V AC	No*	3 ½" L x 1 ½" W x 1" H	SPEC
30W	DL-PS-30/24-JB-OD-S	IP66	Hardwire w/ J-Box	120-277V AC	No*	6 ¼" L x 3 ¾" W x 1 ¾" H	SPEC
	DL-PS-30/24-JB-OD-UNI-DIM	IP66	Hardwire w/ J-Box	100-277V AC	Phase/0-10V	6 ¾" L x 3 ¾" W x 1 ¾" H	SPEC
40W	DL-PS-48/24	Indoor/dry	Desktop Plug-in	120V AC	No*	4 ⅜" L x 2" W x 1 ⅛" H	SPEC
	DL-PS-40/24-JB-DIM-A	Indoor/dry	Hardwire w/ J-Box	100-277V AC	Phase	7" L x 2 ¾" W x 1 ⅜" H	SPEC
	DL-PS-L3DA3W	Indoor/dry	Hardwire w/ J-Box	120-277V AC	Phase/Hi-Lume	4 ¾" L x 4" W x 2 ⅝" H	SPEC
60W	DL-PS-60/24	Indoor/dry	Desktop Plug-in	120V AC	No*	4 ⅜" L x 1 ½" W x 1 ½" H	SPEC
	DL-PS-60/24-CL2	Indoor/dry	Desktop Plug-in	120V AC	No*	5 ⅛" L x 2 1⁄16"W x 1 ⅜" H	SPEC
	DL-PS-60/24-JB-OD-S	IP66	Hardwire w/ J-Box	120-277V AC	No*	7 ⅝" L x 3 ¾" W x 1 ¾" H	SPEC
	DL-PS-60/24-JB-DIM-A	Indoor/dry	Hardwire w/ J-Box	100-277V AC	Phase	7" L x 2 ¾" W x 1 ⅜" H	SPEC
	DL-PS-60/24-JB-OD-UNI-DIM	IP66	Hardwire w/ J-Box	100-277V AC	Phase/0-10V	7 ⅝" L x 3 ¾" W x 1 ¾"H	SPEC
90W	DL-PS-90/24-CL2	Indoor/dry	Desktop Plug-in	120V AC	No*	4 ⅞" L x 2 ¾" W x 1 ⅜" H	SPEC
96W	DL-PS-100/24-CL2	Indoor/dry	Desktop Plug-in	120V AC	No*	7 ⅞" L x 2 ¾" W x 1 ⅜" H	SPEC
	DL-PS-96/24-HWD	Indoor/dry	Hardwire	120-277V AC	No*	9 ½" L x 1 11⁄16" W x 1" H	SPEC
	DL-PS-96/24-JB-OD-S	IP66	Hardwire w/ J-Box	120-277V AC	No*	8 ⅞" L x 3 ¾" W x 1 ¾" H	SPEC
	DL-PS-96/24-JB-DIM-A	Indoor/dry	Hardwire w/ J-Box	100-277V AC	Phase	7" L x 2 ¾" W x 1 ⅜" H	SPEC
	DL-PS-96/24-JB-OD-UNI-DIM	IP66	Hardwire w/ J-Box	100-277V AC 100-	Phase/0-10V	8 ⅞" L x 3 ¾" W x 1 ¾" H	SPEC
	DL-PS-96/24-JB-OD-UNI-DIM-JA8	IP66	Hardwire w/ J-Box	277V AC	Phase/0-10V	8 ⅝" L x 3 ¾" W x 1 ¾" H	SPEC
	DL-PS-96/24-347V-JB-OD-DIM	IP66	Hardwire w/ J-Box	200-347V AC	0-10V	8 ⅝" L x 5" W x 1 ¾" H	SPEC
	DL-PS-L3D03W	Indoor/dry	Hardwire w/ J-Box	120-277V AC	Phase/ Hi-Lume	10 ½" L x 5 ½" W x 1 ⅞" H	SPEC
96W Multi	DL-PS-96x2/24-JB-OD-UNI-DIM	IP66	Hardwire w/ J-Box	100-277V AC	Phase/0-10V	11 ⅞" L x 4 ⅛" W x 1 ¾" H	SPEC
	DL-PS-96x3/24-JB-OD-UNI-DIM	IP66	Hardwire w/ J-Box	100-277V AC	Phase/0-10V	12 ⅞" L x 4 ⅛" W x 1 ¾" H	SPEC
	DL-PS-96x4/24-JB-OD-UNI-DIM	IP66	Hardwire w/ J-Box	100-277V AC	Phase/0-10V	12 ⅞" L x 5 ¼" W x 1 ⅞" H	SPEC

* Additonal controller required

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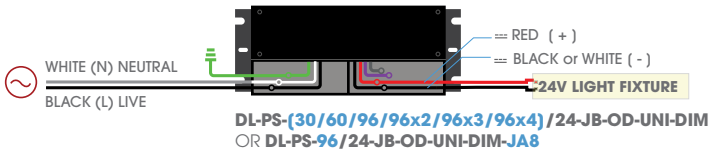
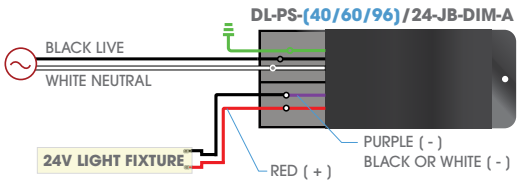
Fixture Type	
Project	
Notes	

TYPICAL WIRING

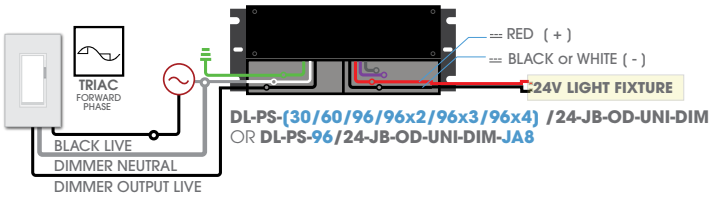
For reference only, not for actual installation

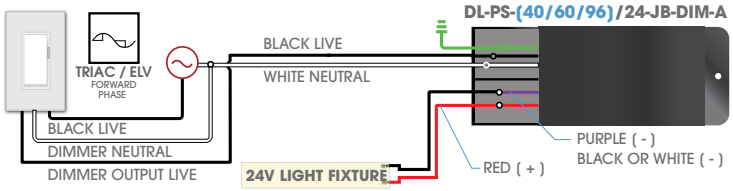
Direct Wiring - No dimming



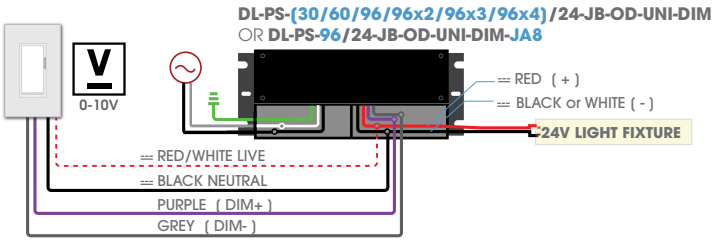


Phase Dimming - with TRIAC or ELV





0-10V Dimming



FLICKER-FREE CONFIDENCE

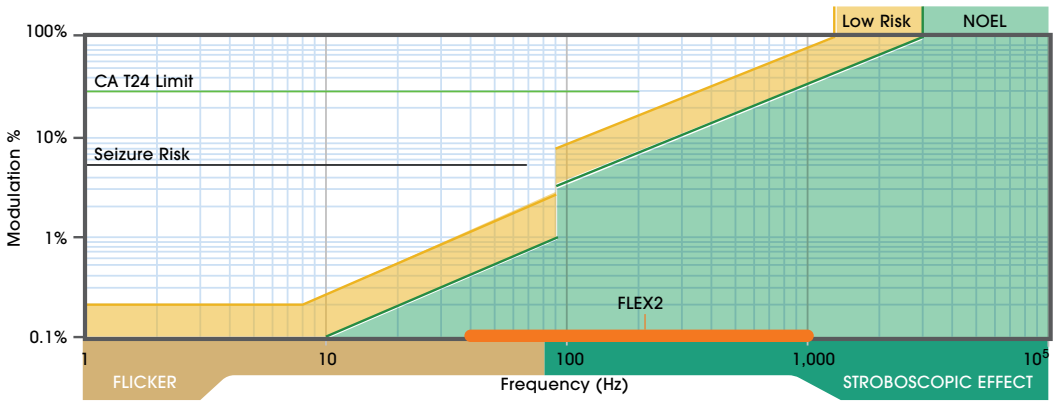
At JESCO, we're committed to delivering high-performance lighting that supports industry best practices for visual comfort and safety. Our products are engineered to be flicker-free, meeting the latest safety guidelines outlined in the IEEE 1789 Recommended Practice by Lehman and Wilkins.
The chart below illustrates how flicker frequency may impact people:

Green Zone – No Noticeable Effects: Safe and comfortable for everyday use.
Yellow Zone – Low Risk: Most users won't notice, though a small number of individuals may be slightly sensitive.

CALIFORNIA JA8 TITLE 24 COMPLIANT

When paired with:

DL-PS-96/24-JB-OD-UNI-DIM-JA8



NOEL - No Observable Effect Level

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SWITCH/SENSORS, 0-10V DIMMING INTERFACES, & CONTROLS

IN-LINE SWITCH /SENSOR

In-line Touch Switch

In-line Passive Infrared Switch

MODELS	IP RATING	DESCRIPTION	DIMENSIONS	DOWNLOAD
DL-PS-SW-WH	Indoor/dry	In-line Plug & Play capacitive touch switch w/ dimming	⅞" Ø x ⅝" H	SPEC
DL-PS-SW-PIR-BK	Indoor/dry	In-line Plug & Play PIR motion sensor on/off switch	1 ¾" L x 1 ⅝" W x ¾" H	SPEC
DL-PS-SW-PIR-DOOR	Indoor/dry	In-line Plug & Play PIR door on/off switch	1 ¾" L x 1 ⅛" W x ⅜" H	SPEC

0-10V DIMMING INTERFACE FOR NON-DIMMABLE POWER SUPPLIES

For Non-Dimmable Power Supplies

Interface P&P

MODELS	IP RATING	DESCRIPTION	DIMENSIONS	DOWNLOAD
LC-DIM5A	Indoor/dry	Built-in 0-10V Plug & Play dimming interface w/ PWM output.	4 ¼"L x 1 ⅞"W x 1 ⅛"H	SPEC
LC-DIM5A-HW	Indoor/dry	0-10V Hardwire dimming interface. Requires separate 0-10V dimmer switch.	6 ¼"L x 3"W x 1 ½"H	SPEC
LC-DIM200-RF-HW	Indoor/dry	Basic Handheld Receiver/Remote Dimming Kit.	4 ¼"L x 2 ⅛" W x 1 ⅜" H	SPEC

RADIO FREQUENCY REMOTE CONTROL

Must select (1) control and (1) receiver

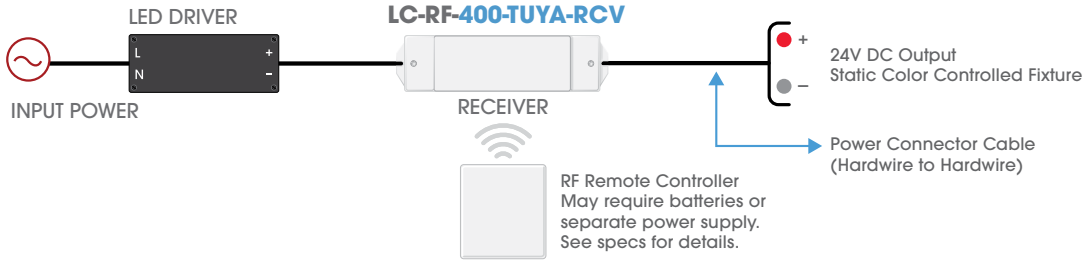
RF Receiver

Handheld RF Control

Wall Mounted RF Control

MODELS	IP RATING	DESCRIPTION	DIMENSIONS	DOWNLOAD
LC-RF-400-TUYA-RCV	Indoor/dry	5-Channel RF Receiver with TUYA Smart Control.	5 ¾"L x 1 ⅞"W x ⅝"H	SPEC
LC-RF-400H-DIM	Indoor/dry	Handheld RF Dimmer Control. Requires a receiver.	4 ¾"L x 2 ¼"W x ¾"H	
LC-RF-402-DIM	Indoor/dry	Wall Mounted Dual RF Dimmer Control. Requires a receiver.	4 ¾"L x 3"W x 1 1/16"H	
LC-RF-400W-DIM	Indoor/dry	Wall Mounted RF Dimmer Control. Requires a receiver.	4 ¾"L x 2 15/16"W x 1 3/16"H	

WIRING SCHEMATIC



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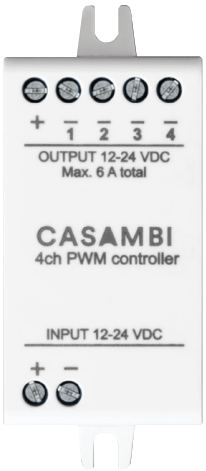
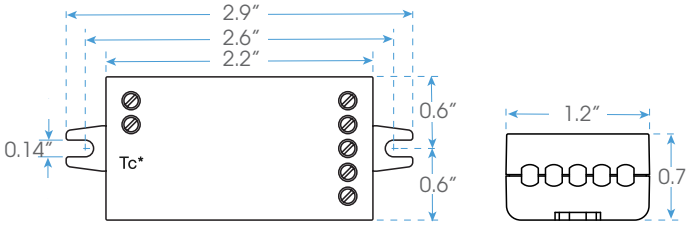
CASAMBI READY

NOTE: Our products work with CASAMBI. CASAMBI device is sold separately through a third party



Download on the App Store

ANDROID APP ON Google play



* Tc point is on bottom side

Compatible devices

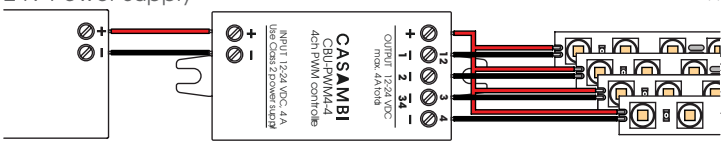
iPhone iOS 10 and later are supported
iPad iOS 10 and later are supported
Android 4.4 version (KitKat)
and later are supported

MODEL	CBU-PWM4-4
RATED POWER	96W
RATED CURRENT	4A
INPUT	24V DC
DC OUTPUT	24V DC
MIN. LOAD	0W
DIMMING METHOD	PWM Pulse Width Modulation
OPERATING FREQUENCIES	2400-2480 MHz
MAX. OUTPUT POWER	+4dBm
AMBIENT TEMPERATURE, ta	-4F° - 113F°
MAX. CASE TEMPERATURE, tc	167F°
STORAGE TEMPERATURE	-13F° - 167F°
MAX. RELATIVE HUMIDITY	0-80%, non condensing
ENVIRONMENT	Indoor, Dry IP20
WIRE GAUGE INPUT/OUTPUT	14-22AWG Solid or Stranded
WIRE STRIP LENGTH	0.2″
TIGHTENING FORECE	0.4Nm
MAX. INPUT CABLE LENGTH	10 Ft
MAX. LOAD CABLE LENGTH	10 Ft
WEIGHT	23 g

Static white

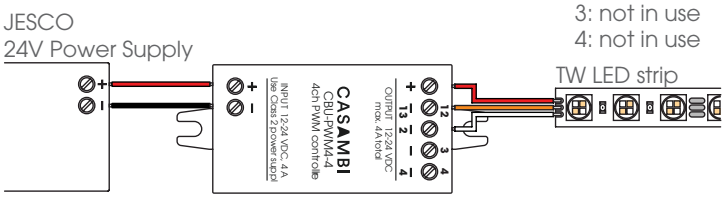
1-4 separate channels

+: common (+)
1: channel 1 (-)
2: channel 2 (-)
3: channel 3 (-)
4: channel 4 (-)



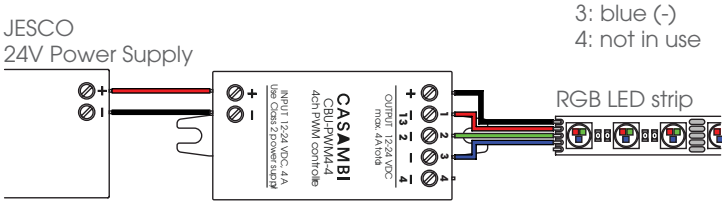
Tunable white

+: common (+)
1: warm (-)
2: cool (-)
3: not in use
4: not in use



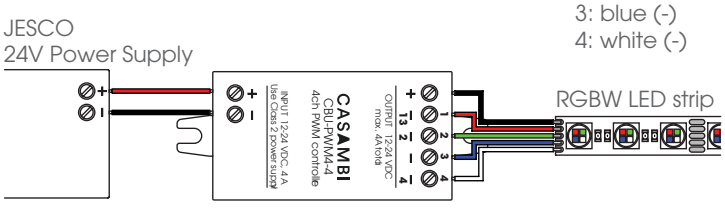
RGB

+: common (+)
1: red (-)
2: green (-)
3: blue (-)
4: not in use



RGBW

+: common (+)
1: red (-)
2: green (-)
3: blue (-)
4: white (-)



NY 15 Harbor Park Drive, Port Washington, NY 11050 | Main 800 527 7796 | Fax 855 265 5768
CA 219 South 6th Ave, City of Industry, CA 91746 | Main 800 527 7796 | Fax 855 265 5768
support@jescolighting.com | Tech Support 855 592 0029

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