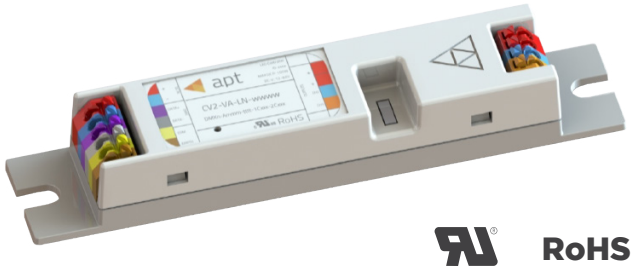
GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

DUAL DIMMING MODULE

Our Dual Dimming Module allows for pinpoint control of either Variable White or Warm Dim LED applications. This high-efficiency module accepts 0-10V signals. It enables smooth shifts in color temperature to create elegant transitions without any light distortion. Use the Dual Dimming Module to provide flicker-free control to tune CCTs and adjust brightness in the full range of our Variable White applications. Or use it for the stunning effect of our gently fading Warm Dim products.



- Programmed for Variable White or Warm Dim
- Flicker-free 0-100% dimming
- Independent control over each output channel
- Works with customizable DMX addresses
- Incredible efficiency
- Compact plastic case

NOTE: The Dual Dimming Module firmware is set at the factory for either Variable White or Warm Dim mode. Please specify which version is needed when ordering.

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

SPECIFICATIONS

Input Voltage Range	12-60 VDC
Input Control	2
Channel Output	2
Output Voltage Range*	0-58 V
Max. Output Current	3.2A per channel
Max. Output Power	96 W (see additional detail on page 2)
Dimming Ratio	1:1000
Power Efficiency (Typ)	97%
Input Current	4.1A (max. per channel)
Control Voltage	0/1-10 VDC Dimmer Note: The External control source to this Variable White LED Dimming Module's purple and grey control wires should have the capability to sink a minimum of 10mA for multiple dimming modules connected together. A minimum sink current of 2mA is recommended for a single module.
Over Temperature Protection	Auto recovery upon operating temperature < 221° F (105° C)
Ambient Temperature	-40° - 122° F (-40° - 50° C) @ full load
Dimensions (L x W x H)	6.2 in. x 1.18 in. x 0.78 in. (157.36 x 29.89 x 19.76 mm)
Case Material	Polycarbonate

* Variable White & Warm Dim LED Dimming Module requires an external CV LED driver, connected to the DC input, and should not exceed the above input voltage range.

NOTE: For the 0-10V dimmer that controls color temperature NOT to affect brightness, the output power should not exceed the max power for either (single) of the two color temperatures. When pairing Variable White or Warm Dim RibbonLyte with this module, the RibbonLyte power consumption should never exceed 50% of the max rated power.

EXAMPLE: When calculating supported loads with this module and 6.0 Variable White RibbonLyte (6.0 W/ft), you can divide the module's total rated power of 96W by half of the RibbonLyte's wattage per foot to get the total length supported. 96 / 3 = 32 ft of RibbonLyte.

ORDERING GUIDE

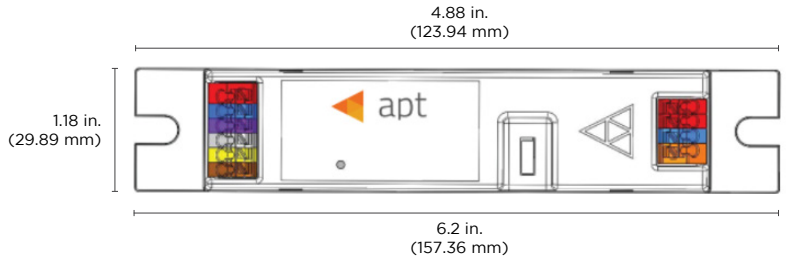
Category
VWDIMMODBCC

VWDIMMODBCC - Dual Dimming Module

DIMENSIONS

Width: 1.18 in. (29.89 mm)
Length: 6.2 in. (157.36 mm)
Depth: 0.78 in. (19.76 mm)

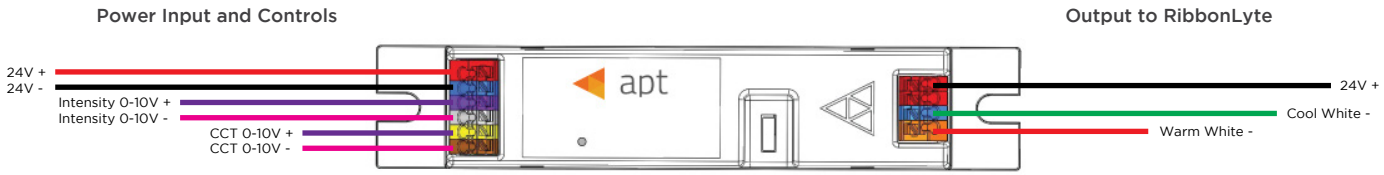
TOP VIEW



SIDE VIEW

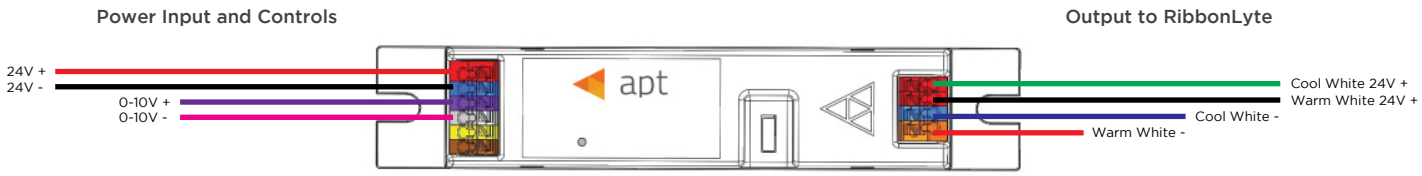
WIRING DIAGRAMS

Variable White



* 0-100% flicker-free performance not guaranteed when used with non-Acolyte Drivers

Warm Dim



* 0-100% flicker-free performance not guaranteed when used with non-Acolyte Drivers