



ORDER CODE KKDM-05U
KKDM-05 (Non UL version)

PRODUCT SPECIFICATION

Dimension	H34/W64/L164mm (H1.34/W2.52/L6.46in)
Weight	160g (0.35lbs)
Operating Temp	$T_a = -10$ to 60°C ($T_c \text{ max} = 80^\circ\text{C}$) $T_a = 14$ to 140°F ($T_c \text{ max} = 176^\circ\text{F}$)
Storage Temp	$T_a = -20$ to 70°C (-4 to 158°F)
IP Rating	IP20
Finish	Plastic cover (Black)
Mounting	Surface mount via screws
Cable & Connectors	Input: Terminal type – accepts 26AWG-12AWG Control: Terminal type – accepts 26AWG-12AWG Output: Terminal type – accepts 26AWG-12AWG
Control	1-10V sink or source control inputs (100K Ω Potentiometer)

ELECTRICAL DATA

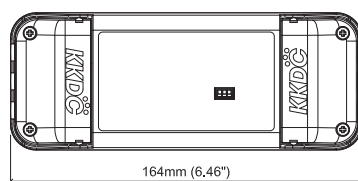
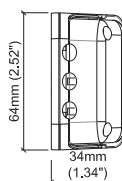
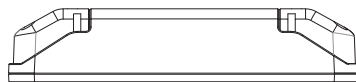
Input Voltage	9-24V DC
Output Voltage	as Input Voltage
Output Current	4A max total output @ 24V, 8A max total output @ 9-12V (2 x 5A max @ 9-24V for Non UL version)
Output Wattage	96W max total output @ 12-24V, 72W max total output @ 9V (2 x 120W @ 24V, 2 x 60W @ 12V, 2 x 45W @ 9V max for Non UL version)
PWM Frequency	3.2-3.4KHz

PORT DESCRIPTION

DC IN +, DC IN-	From PSU: 9V, 12V or 24V DC to suit LED
1-10VIN DIM1+, DIM2+, 1-10VIN DIM-	Input from 1-10V control or 100K Ω potentiometer
NC	No connection
CH1 +, CH1 -	Output to LED – channel 1 (Warm Channel)
CH2 +, CH2 -	Output to LED – channel 2 (Cool Channel)

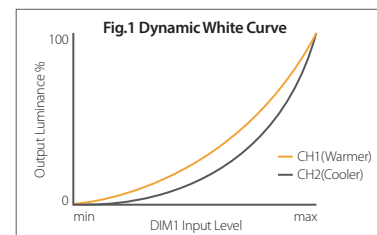
SAFETY & EMC

EMC Emission	EN 55015, EN 61547
EMC Immunity	EN 61000-4-2, 3, 4, 6
UL Safety	UL8750
CSA Safety	CSA C22.2 No. 250.13



Dynamic White

Single input (DIM 1) controls both output channels as LEDmix control (Fig.1). When using 2100K mixed with 3500K it produces dimming and CCT curves closely matched to halogen/incandescent.



Tunable White

Two input channels to control colour and dimming for LEDmix. DIM 1 input controls the channel mixing (cool/warm) between CH1 & CH2 outputs (Fig.3). DIM2 input controls the overall output level, while keeping the colour mix consistent.

