



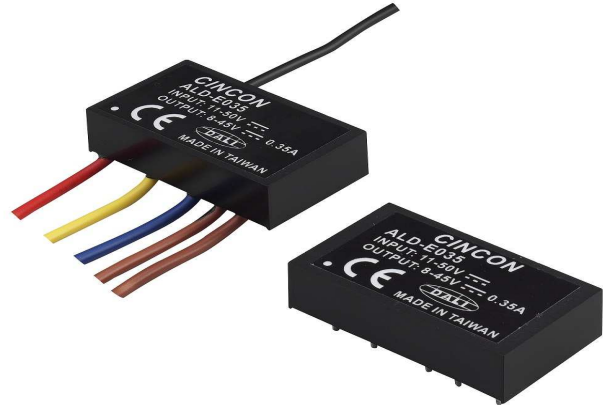
ALD-E SERIES

50.4 WATT

BUCK LED DRIVER with DALI

Features

- * LED Driver Current up to 1400mA
- * Constant Current Output
- * Digital Address Lighting Interface (DALI)
- * DALI Dimming Range 1-100%
- * High Efficiency up to 95%
- * Continuous Short Circuit Protection
- * High Reliability
- * IP65 Protection (note7)

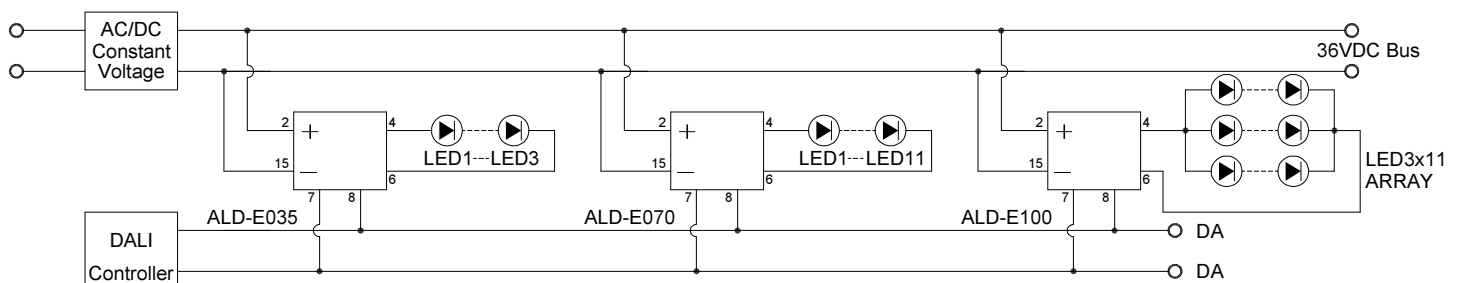


MODEL	Input Voltage Range	Output Operating Voltage	Output Rated Current	Output Rated Power	Ripple and Noise (max.) note2	Efficiency (TYPICAL) note3
ALD-E035	11 – 50 VDC	8-45 VDC	350 mA	15.75 W	300 mVpp	95%
ALD-E050	11 – 50 VDC	8-45 VDC	500 mA	22.50 W	500 mVpp	95%
ALD-E070	11 – 50 VDC	8-45 VDC	700 mA	31.50 W	500 mVpp	95%
ALD-E100	11 – 50 VDC	8-45 VDC	1050 mA	47.25 W	500 mVpp	95%
ALD-E140	11 – 40 VDC	8-36 VDC	1400 mA	50.4 W	500 mVpp	95%

Note:

1. $3V < V_{in} - V_{out} < 20V_{dc}$ to Keep Current Accuracy, Nominal Input Voltage: 36Vdc.
2. Ripple and Noise are Measured at Rated Current, Nominal Input and 33Vdc Output and 20MHz Bandwidth with a 0.1uF Ceramic Capacitor.
3. Measured at Rated Current, Nominal Input and 33Vdc output.
4. Acceptable Customer Modifications.

Installation Drawing



ALD Derating Curve

ALD CONNECTION		
ALD-EXXX	ALD-EXXXLW	Function
2	2 (Red)	+V Input
4	4 (Yellow)	+V Output
6	6 (Blue)	-V Output
7	7 (Brown)	DA
8	8 (Brown)	DA
12	NC	Analogue Dimming
14	NC	PWM DIM
15	15 (Black)	-V input