



Features

- Support DALI-2+pushDIM+pushCCT control
- 2 channels of constant voltage output,at the tinting temperature, the output channel power is complementary, and the total output power remains unchanged
- Soft dimming and flicker-free at any brightness
- Dimming range 1~100%,support multiple lights dimming
- Standby power input<0.5W, meets the requirements of ErP certification
- High PF, high efficiency, low THD
- SELV and Class I design, suitable for use inside of the light
- Passed CE, DALI-2 certifications
- IP20 protection grade, indoor use
- Nominal life-time up to 100,000 h
- 5 years warranty

Interfaces

- DALI-2 (DALI-2 DT8)
- PUSH (pushDIM,corridorDIM)
- PUSH (pushCCT)

Functions

- PUSH dimming (pushDIM) and PUSH color temperature (pushCCT) with memory
- Support self-contained emergency application
- Protective features (short-circuit, overload,no-load protection)

Suitable for lights

- Suitable for CV strip lights, CV linear lights, floor lights, three-proof lights, etc

Typical applications

- LED indoor lighting
- LED office lighting
- LED commercial lighting



- DALI 2.0 Dt8 Constant Voltage LED Driver
- Output Wattage : 100W Max
- Flicker Free: O/P Ripple current < 10%
- Output voltage 24Vdc
- Linear CRCA Cabinet
- Suitable For Dry Locations
- Application:
 - Suitable for CV Strips, Linear Lights
 - Floor lights, three profile lights etc.

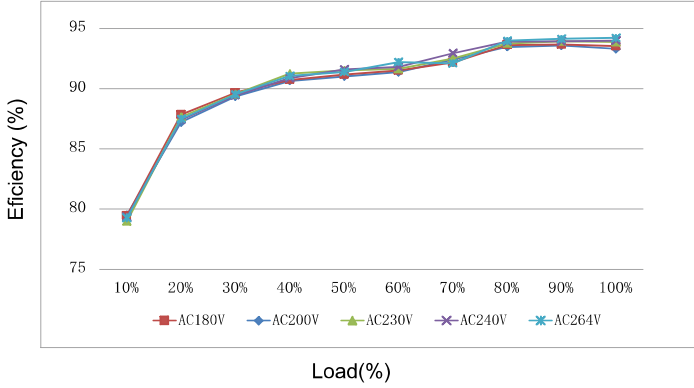
General Specifications

Rated Input Voltage	200-240VAC,50/60Hz
Operating Input Voltage Range	180-264VAC
Input Current	<1A (AC 200V)
Input Power	166W
Power Factor	PF>0.95 (230V AC & Full load),DF>0.98 (230V AC & Full load)
THD	≤10% (230V AC & Full Load)
Efficiency (Typical)	≥92%(230V AC & Full Load)
Driver Type	Constant Voltage
Output Current	6.25A
Output Voltage Range	24V
No Load Output Volatge	NA
Output Power	150W Max
Number of Output Channels	2 Channel
Class	Class I
Dimming Controller Type/Dimming Range	DALI 2.0,DT8,1%-100%
Ambient Operating Temperature Range	-20°C to 60°C
Max. Case Temperature	90°C
Input Surge Protection	L-N:2KV,L-FG/N-FG:2KV(Performance criterion:B)
Protections	Output Short Circuit : Yes Output Open Circuit : Auto Recovery (HICCUP Mode) Output Overload : Auto Recovery (HICCUP Mode)
Dali Standards	IEC62386-101,102, 207,209
Withstand Voltage	I/P-O/P(LED):3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC,I/P-DALI: 1500VAC,O/P-DALI: 1500VAC
Isolation resistance	I/P-FG:100MΩ/500Vdc/25°C/70% RH
Life	Nominal life-time up to 100,000 h
Approvals / Class	BIS,CE
Warranty	5 Years
Weight	0.436Kg

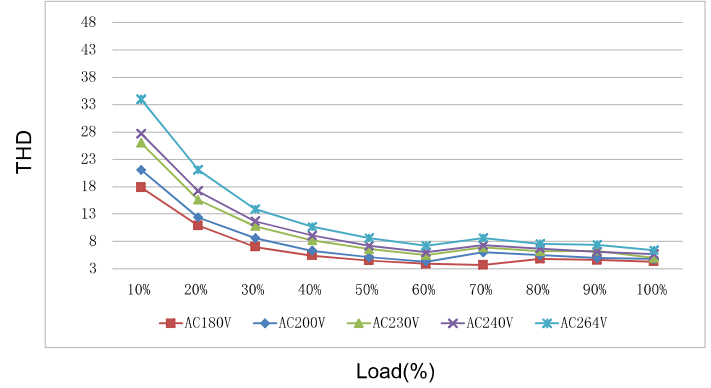
Note : Suitable for indoor application only

Electrical values

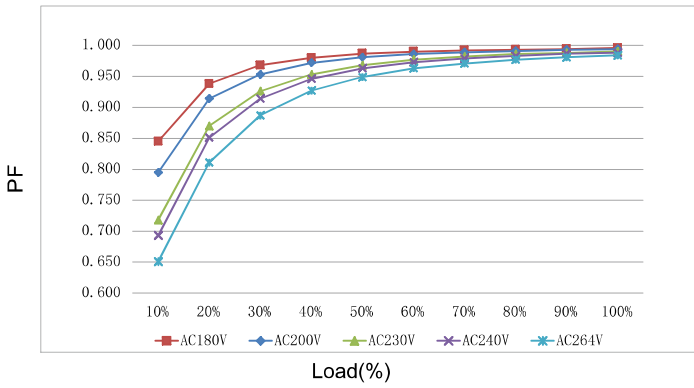
Efficiency vs load



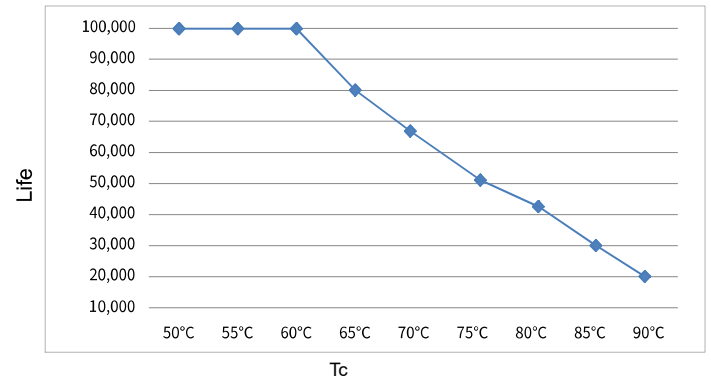
THD vs. Load



Power factor vs. Load



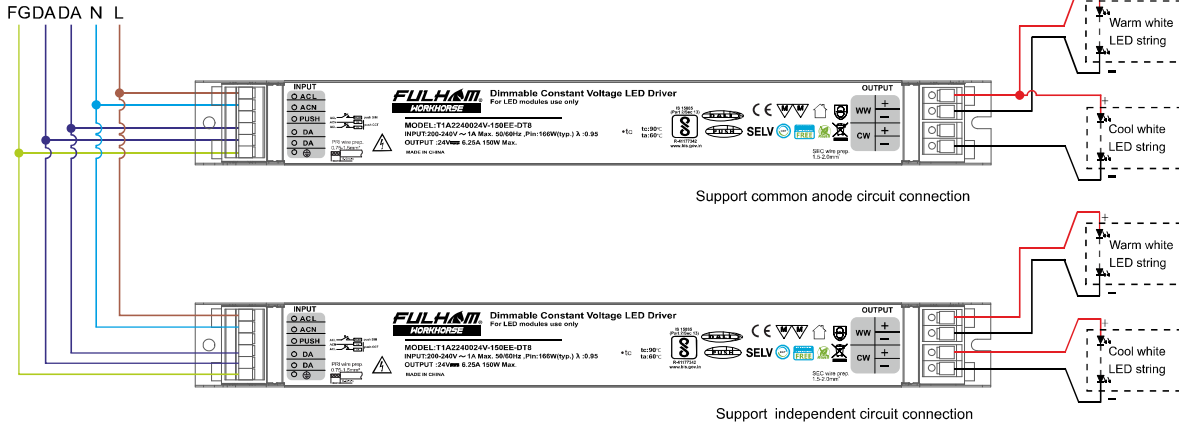
Life vs. Tc curve



Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 05 years @ Tc 85°C from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog (www.fulham.com). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described. © Fulham Company Limited, All Rights Reserved.

DALI dimming application

Wiring diagram



●●● Max. x64

Note: The voltage deviation of warm white and cool white light strings should be less than 0.5V

Activating DALI control mode

-After installation according to the wiring diagram of DALI control application,the driver will automatically switch to the DALI control mode after receiving any DALI command.

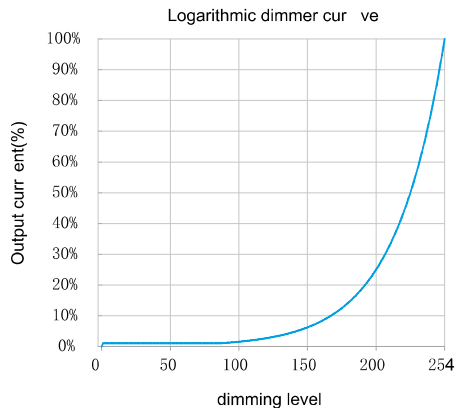
Remarks:

- Standard DALI control line voltage range : 9.5V to 22.5V,Type 16V.
- The two DALI control lines polarity -reversible
- Max. 64 DALI drivers per DALI control line.
- The maximum distance length of the DALI CONTROL LINE IS 300MM AT 2X1.5MM²
- DALI bus can be wired together with any main voltage cables, but separate wiring is recommended.

Wiring distance vs cable size

Cable size	Distance
2×0.50mm ²	max.100m
2×0.75mm ²	max.150m
2×1.00mm ²	max.200m
≥2×1.50mm ²	max.300m

Dimming curve

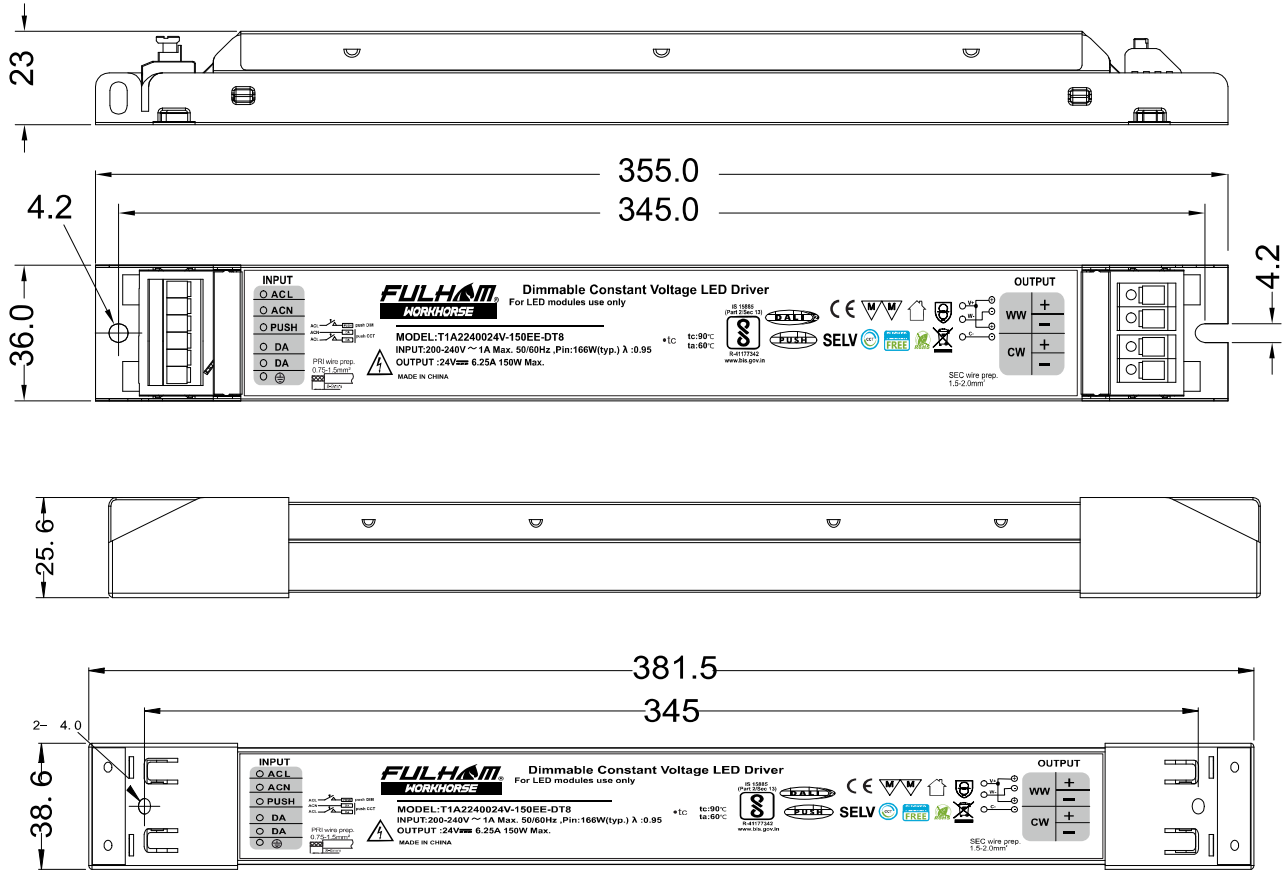


Remarks:

The dimming curve can be selected by DALI configuration. The default is logarithmic dimming curve.

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of **05 years @ Tc 85°C** from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog (www.fulham.com). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described. © Fulham Company Limited, All Rights Reserved.

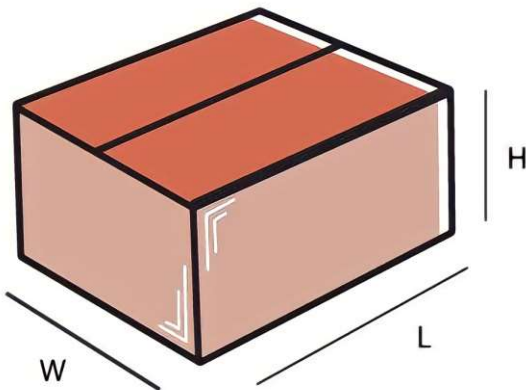
Mechanical Data :



Note : All Dimensions are in mm.

Tolerance=±0.5mm

Packaging



Master carton

OUTER DIMENSION		
L	W	H
395mm	355mm	160mm
Net Weight	Gross Weight	QUANTITY
10.5 kg	11.5 kg	24 pc.

Installation Instructions:

Connect Wires as per details given on the Driver Screen. Keep proper ventilation around the LED Driver and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source. Do not exceed the declared Hot spot temperature(Tc max) under any circumstances.

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of **05 years @ Tc 85°C** from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog (www.fulham.com). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described. © Fulham Company Limited, All Rights Reserved.