

Approval Marks



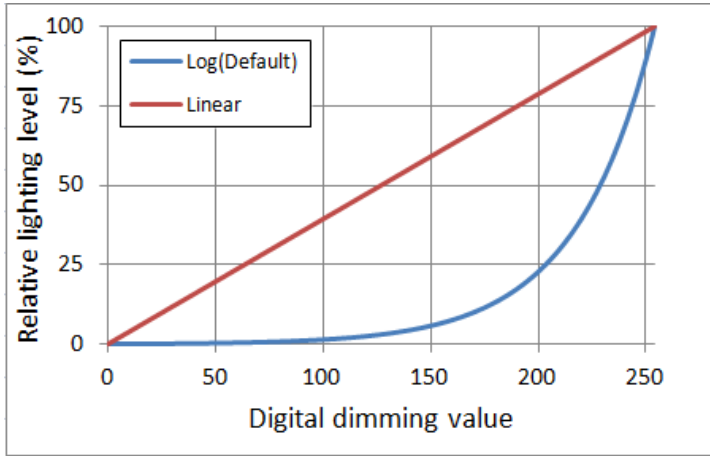
	Item	Value	Remark	
Input	Nominal voltage	220–240V		
	Nominal frequency	50–60Hz		
	AC voltage range	198–264V		
	DC voltage range (start)	NA		
	DC voltage range (operation)	186–280V	Fixed output light at 15%	
	Nominal current	970mA	Full load @230VAC	
	Total Harmonic Distortion (THD)	< 10%	Full load @230VAC	
	Power factor	0.95	Full load @230VAC	
	Displacement factor	0.95	Full load @230VAC	
	Efficiency	93% (Typ.)	Full load @230VAC	
	No-load power	NA		
	Stand-by power	< 0.3W	Full load @230VAC	
	Networked standby power	<0.3W	Full load @230VAC	
	Protection class	II	Suitable for class II luminaires	
Inrush current	85A / 250us	Full load @230VAC		
Earth leakage current	NA			
Output	Nominal voltage range	24Vdc		
	Maximum voltage	25Vdc		
	Voltage accuracy	± 2.5%	Full load @230VAC	
	Output LF voltage ripple	± 3%	< 120Hz	
	SVM	≤ 0.4	Full load @230VAC	
	PstLM	≤ 1	Full load @230VAC	
	Starting time	< 0.5S	Full load @230VAC	
	Nominal power range	5-200W		
	Maximum current	8330mA		
	Maximum power	200W		
Color tuning range	2000-10000K			
Dimming	Dimming control	DALI	Touch Dim	
	Dimming range	1-100%	10-100%	see the dimming curve
	Lowest dimming current	0.5-2%	3.8-7.4%	
	Dimming technique	PWM		
	PWM frequency	2KHz		
Galvanic isolation	Basic insulated to PRI and double insulated to SEC			

	Item	Value	Remark
Environment	Ambient temperature range t_a	-20°C - +45°C	
	Maximum case temperature t_c	90°C	
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-40°C - +85°C	
	Relative humidity	10% - 95%	
	Surge transient protection	1 kV	L/N
	Environmental rating	Indoor	
	IP rating	IP20	
	Mains switching cycles	>100,000	
	Expected lifetime	> 50,000 h, t_c 90 °C @ t_a 45 °C > 100000 h, t_c 80 °C @ t_a 35 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
Packing	Gross weight/box	15.5 kg	
	Net weight/box	14.5 kg	
	Pcs/box	25 PCS	
	Dimension/box	490(L)*270(W)*225(H)mm	
Protections			
	Short-circuit Protection	Auto recovery	
	Open-circuit Protection	Auto recovery	
	Overload Protection	Auto recovery	
Conformity & Standards			
	Safety standard:	EN 61347-1, EN 61347-2-13, EN 62493	
	Performance:	EN 62384	
	SAA standard:	AS/NZS 61347.1, AS/NZS IEC 61347.2.13	
	EMC standard:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547	
	DALI protocol standard:	EN 62386-101, EN 62386-102, EN 62386-207, EN 62386-209	
Cable information			
PRI Connection			
	Cable cross-section	0.75-2.5□/AWG 18-14	
	Stripping	9mm	
Sec Connection			
	Cable cross-section	0.75-2.5□/AWG 18-14	
	Stripping	9mm	
DALI			
	Cable cross-section	0.75-2.5□/AWG 18-14	
	Stripping	9mm	
Terminal information			
PRI Screwless button			
SEC Screwless button			
DALI Screwless button			

Subject to change without notice, HEP guarantees all products perform functionally well

* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

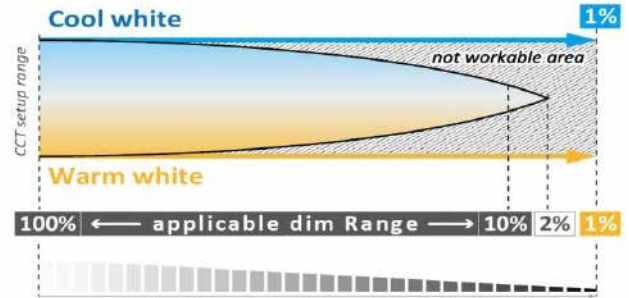
Dimming Curve



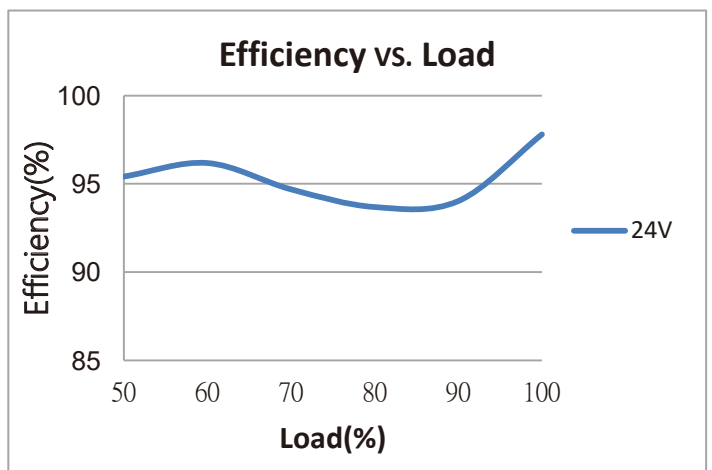
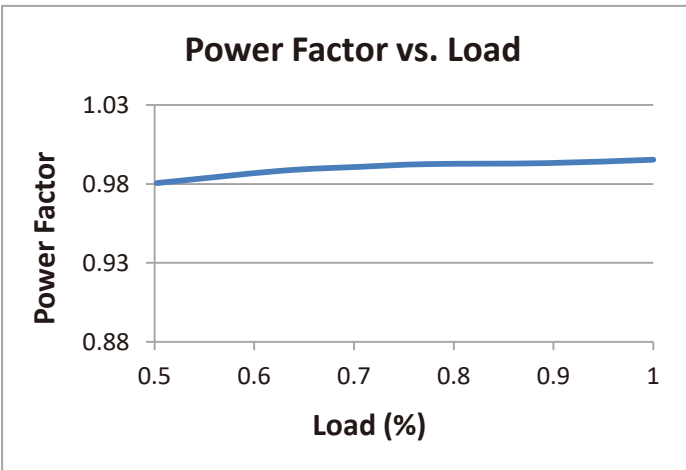
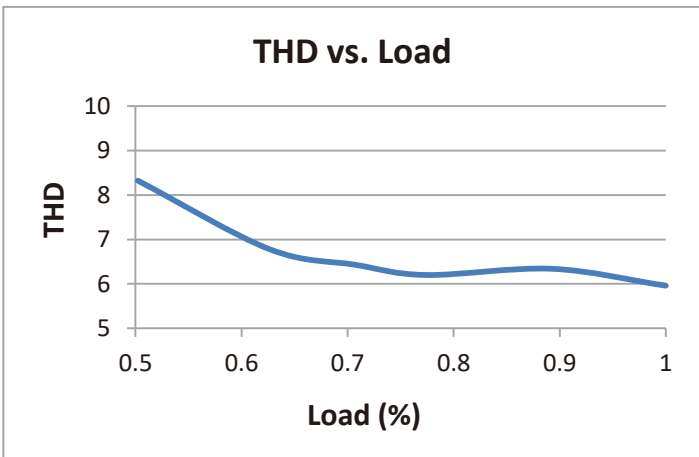
DALI Curve

DALI-2 DT8 Control

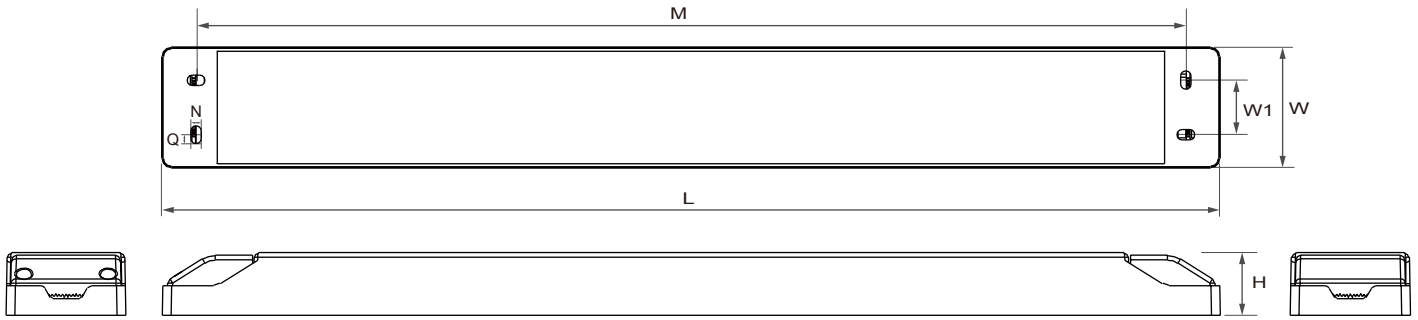
Dimming up/down and CCT tuning are performed independently via DALI-2 DT8 dimmer.



Electrical Values



Physical Parameter



L : 425 mm M : 398 mm H : 25.3 mm W : 48.2 mm
 W1 : 22 mm N : 4.2 mm Q : 7.2 mm

Slot On One Side Allowing Alignment : $M \pm 3$ mm

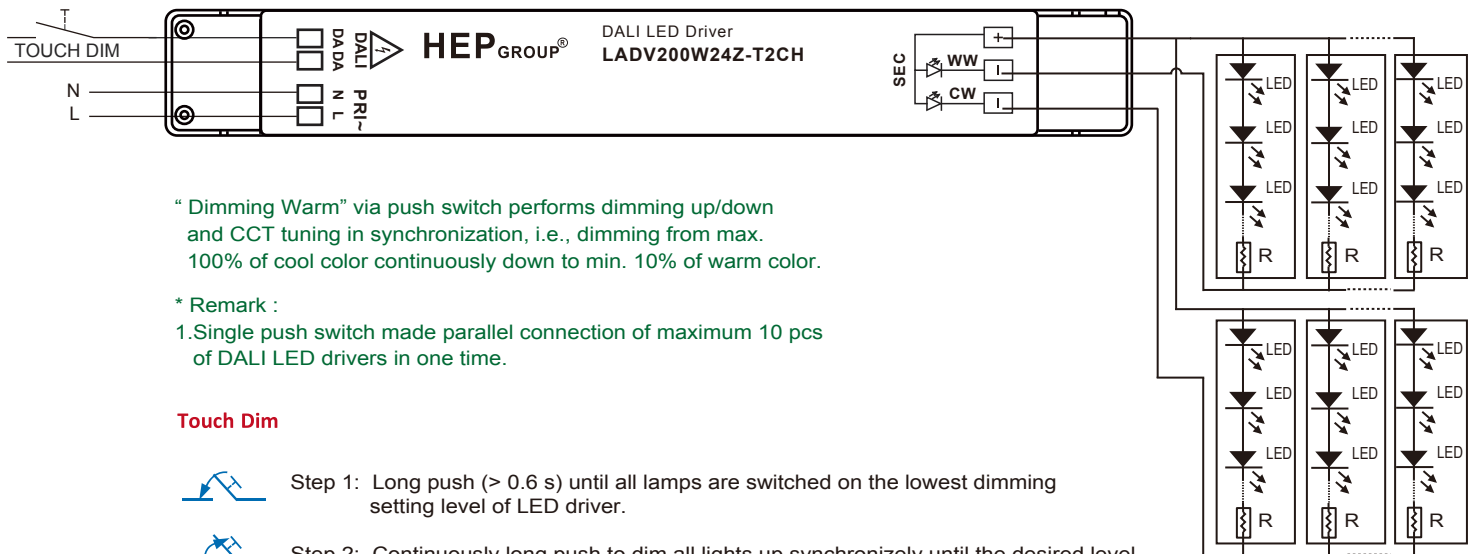
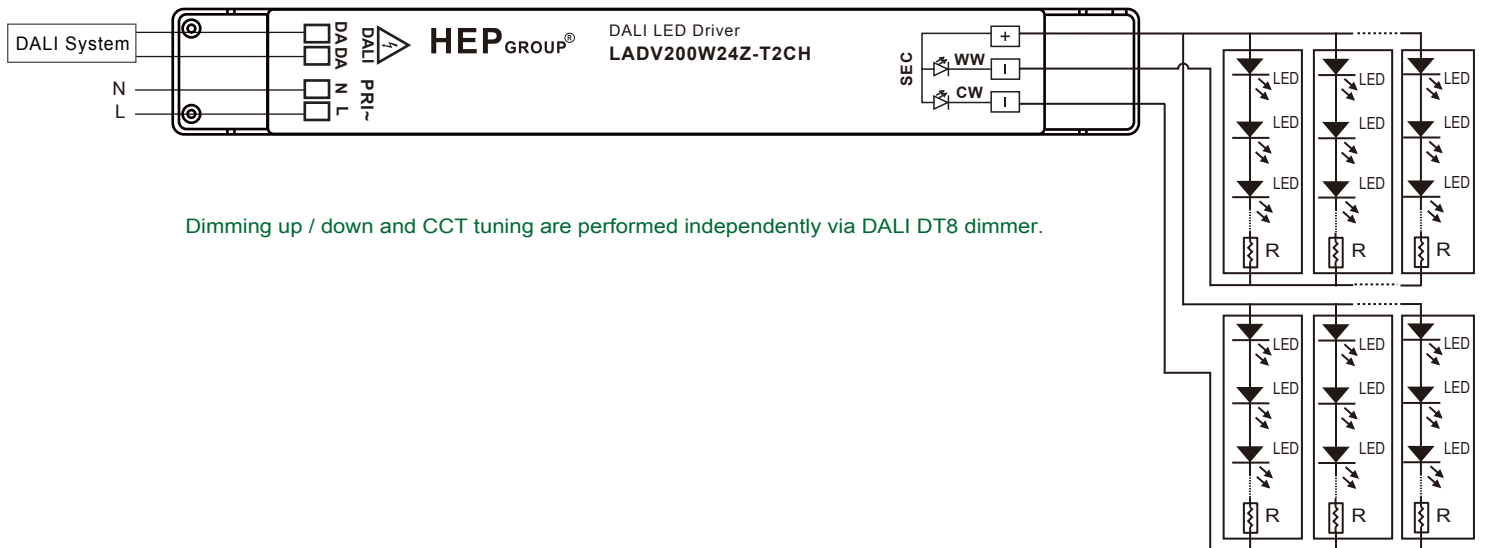
Tolerance : ± 1 mm

Housing Material : Polycarbonate

Soldering : Lead - Free, Comply With RoHS

Label : Surface Print

Wiring Diagram



Touch Dim



Step 1: Long push (> 0.6 s) until all lamps are switched on the lowest dimming setting level of LED driver.



Step 2: Continuously long push to dim all lights up synchronizely until the desired level, then release push bottom to stop at present light level.



Step 3: Or make long push again for dimming all lights down synchronizely to the desired level, then stop pushing bottom.



Step 4: Short push (< 0.6 s) to make all lamps are switched off.



Step 5: Short push (< 0.6 s) - Push to turn ON/OFF all lamps at the latest setting light level.

Remark: Maximum 10m of cable length from LED driver connecting to light source for DALI/Touch Dim

Maximum cable length of Touch Dim from push switch to LED drivers is 20m.

Single push switch makes parallel connection of max. 10 pieces of LED drivers in one time.