

**Approval Marks**



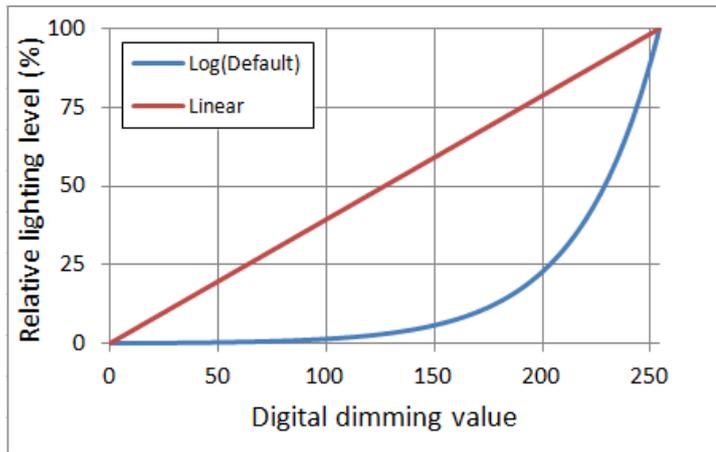
	Item	Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current	720mA	Full load @230VAC
	Total Harmonic Distortion (THD)	< 10%	Full load @230VAC
	Power factor	0.95	Full load @230VAC
	Displacement factor	0.95	Full load @230VAC
	Efficiency	91% (Typ.)	Full load @230VAC
	No-load power	NA	
	Stand-by power	< 0.5W	Full load @230VAC/50Hz
	Networked standby power	<0.5W	Full load @230VAC
	Protection class	II	Suitable for class II luminaires
	Inrush current	78A / 250us	
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
	P <sub>stLM</sub>	≤ 1	Full load @230VAC
	Starting time	< 0.5S	Full load @230VAC
	Nominal power range	5-150W	
	Maximum current	6250mA	
	Maximum power	150W	
Color tuning range	2000-10000K		
Dimming	Dimming control	DALI	Touch Dim
	Dimming range	1-100%	10-100%
	Lowest dimming current	NA	
	Dimming technique	PWM	
	PWM frequency	2KHz	
	Galvanic isolation	Basic insulated to PRI and double insulated to SEC	

	Item	Value	Remark
<b>Environment</b>	Ambient temperature range $t_a$	-20°C - +50°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 @ $t_a$ 50 °C > 100000 h, $t_c$ 80 °C @ $t_a$ 40 °C	0.2 % / 1,000 h failure rate 0.1 % / 1,000 h failure rate
<b>Packing</b>	Gross weight/box	17.8 kg	
	Net weight/box	16.5 kg	
	Pcs/box	30 PCS	
	Dimension/box	490(L)*270(W)*225(H)mm	
<b>Protections</b>			
	Short-circuit Protection	Auto recovery	
	Open-circuit Protection	Auto recovery	
	Overload Protection	Auto recovery	
<b>Conformity &amp; Standards</b>			
	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	
<b>Cable information</b>			
<b>PRI</b> Connection			
	Cable cross-section	0.75-2.5□/AWG 18-14	
	Stripping	9mm	
<b>Sec</b> Connection			
	Cable cross-section	0.75-2.5□/AWG 18-14	
	Stripping	9mm	
<b>DALI</b>			
	Cable cross-section	0.75-2.5□/AWG 18-14	
	Stripping	9mm	
<b>Terminal information</b>			
	<b>PRI</b> Screwless button		
	<b>SEC</b> Screwless button		
	<b>DALI</b> 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).

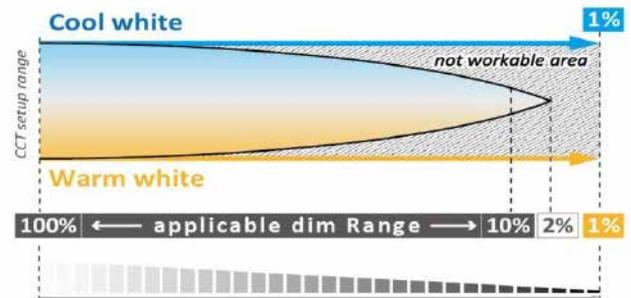
## Dimming Curve



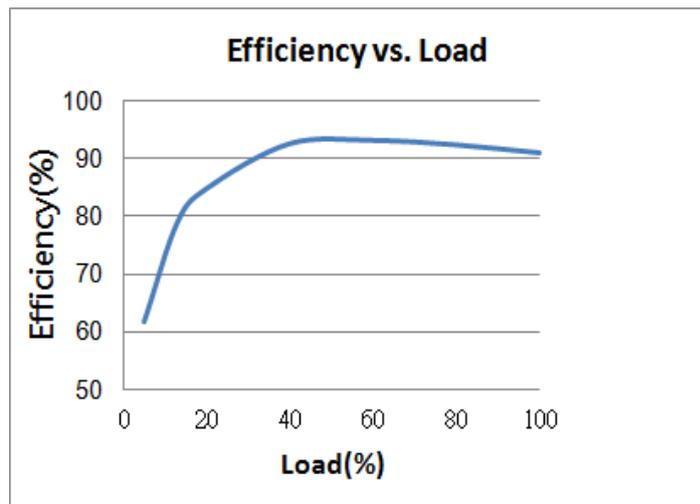
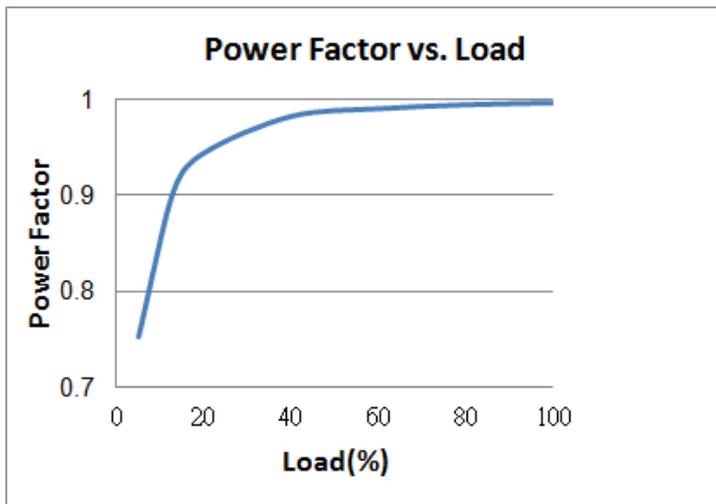
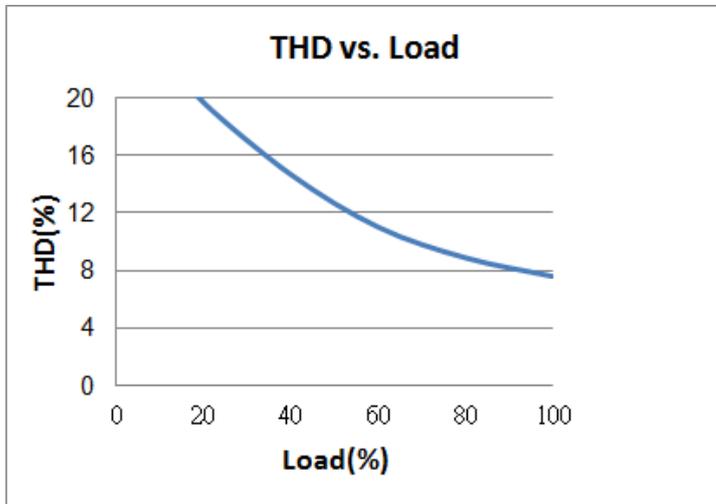
## DALI Curve

### DALI-2 DT8 Control

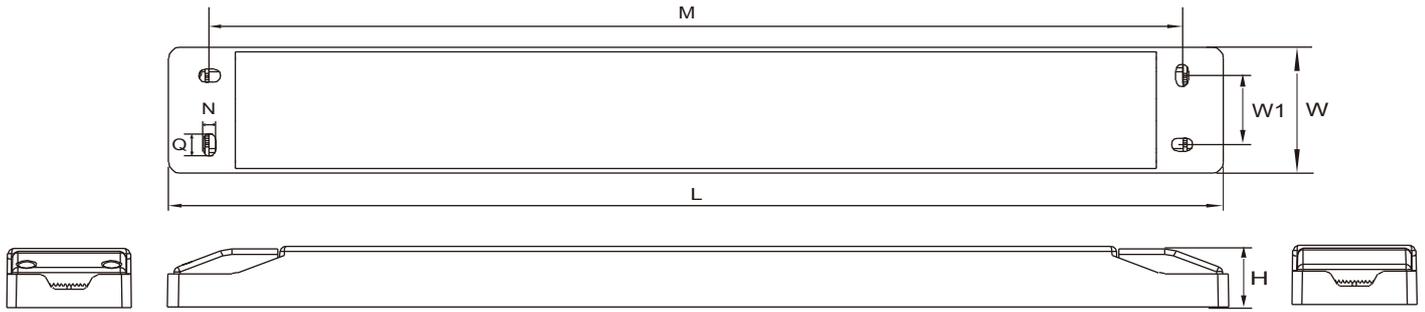
Dimming up/down and CCT tuning are performed independently via DALI-2 DT8 dimmer.



## Electrical Values



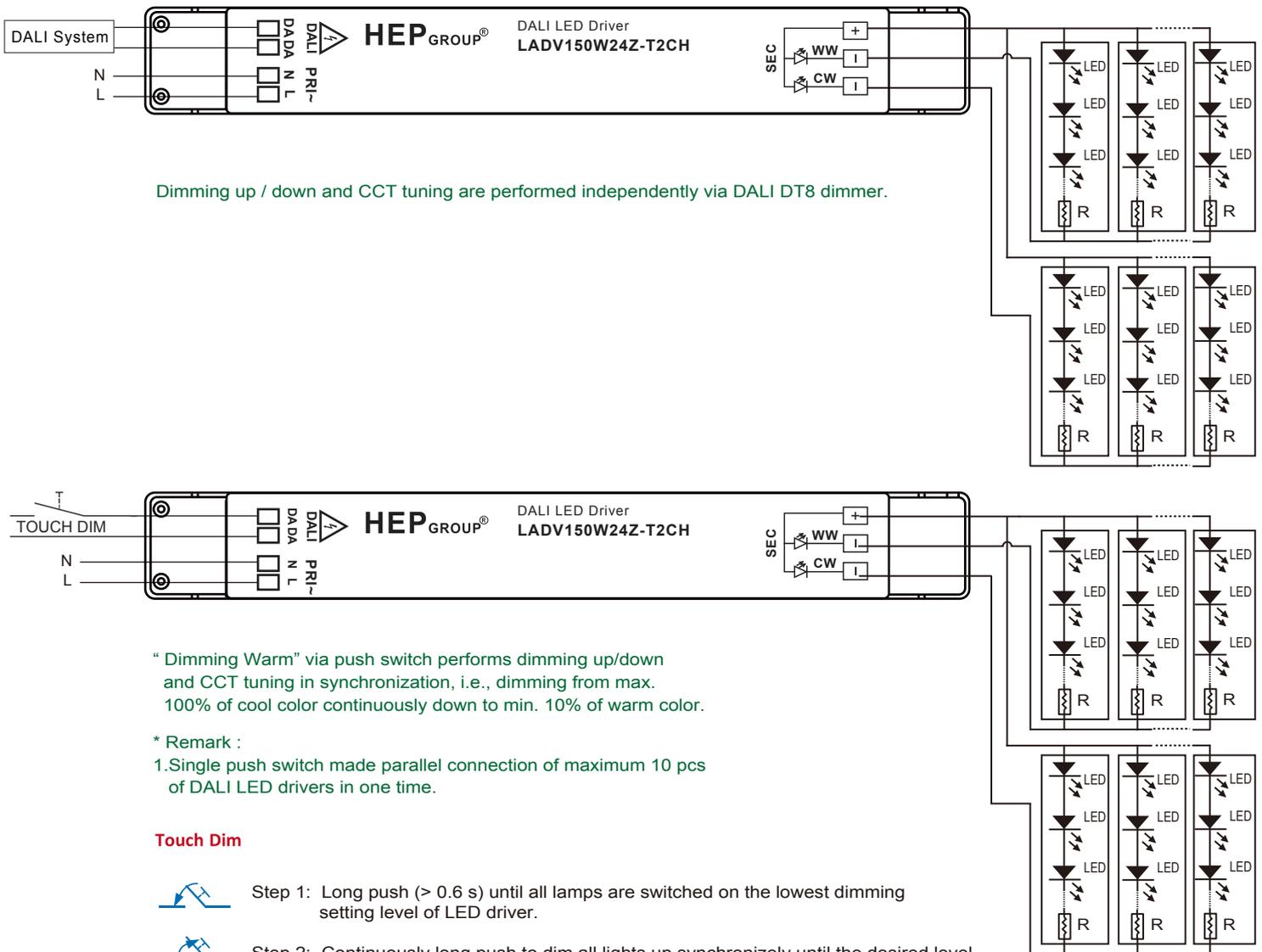
**Physical Parameter**



L : 425 mm M : 398 mm H : 21 mm W : 45 mm  
 W1: 22 mm N : 4.2 mm Q : 7.2 mm  
 Slot On One Side Allowing Alignment : M+/-3 mm  
 Tolerance : +/-1 mm

Housing Material : Polycarbonate  
 Soldering : Lead - Free, Comply With RoHS  
 Label : Surface Print

**Wiring Diagram**



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

“ Dimming Warm” via push switch performs dimming up/down and CCT tuning in synchronization, i.e., dimming from max. 100% of cool color continuously down to min. 10% of warm color.

**\* Remark :**

1.Single push switch made parallel connection of maximum 10 pcs of DALI LED drivers in one time.

**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.