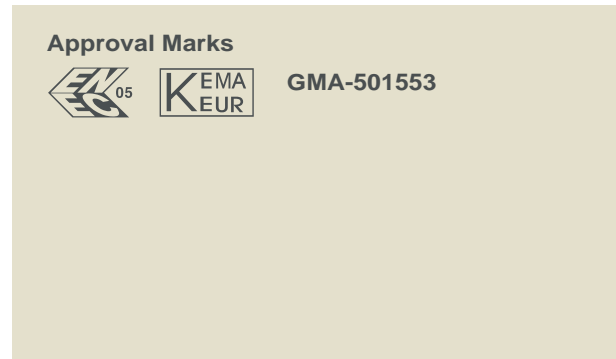


Triac Dimming LED Driver

220V - 240V AC

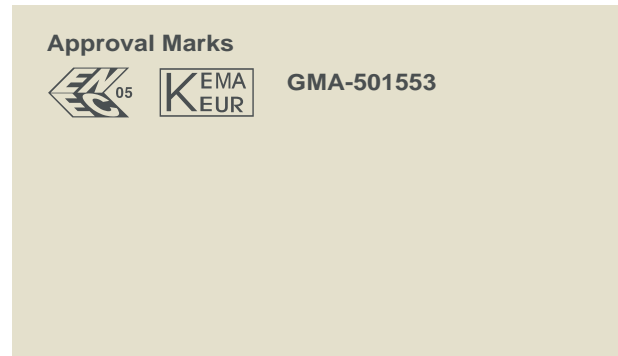


Electronic

Parameter	Conditions	Min	Nom	Max	Unit
Rated I/P Voltage		198	220-240	264	Vac
Input Frequency		47	50-60	63	Hz
Input Current	LSTC10W150P @230VAC	-	-	40	mA
	LSTC10W200P @230VAC	-	-	50	mA
	LSTC10W350P @230VAC	-	-	55	mA
	LSTC10W250P/500P/700P @230VAC	-	-	60	mA
Efficiency	Full load@230VAC	80	-	-	%
Power Factor	@Full load	-	0.9	-	-
THD		-	-	20	%
Output Voltage	LSTC10W150P	33	-	43	Vdc
	LSTC10W200P	33	-	43	Vdc
	LSTC10W250P	33	-	43	Vdc
	LSTC10W350P	13	-	27	Vdc
	LSTC10W500P	12	-	21	Vdc
	LSTC10W700P	8	-	15	Vdc
Output Current	LSTC10W150P	142	150	158	mA
	LSTC10W200P	190	200	210	mA
	LSTC10W250P	237	250	263	mA
	LSTC10W350P	332	350	368	mA
	LSTC10W500P	475	500	525	mA
	LSTC10W700P	665	700	735	mA
Output Power	LSTC10W150P	4.95	-	6.45	W
	LSTC10W200P	6.6	-	8.6	W
	LSTC10W250P	8.25	-	10.75	W
	LSTC10W350P	4.55	-	9.45	W
	LSTC10W500P	6	-	10.5	W
	LSTC10W700P	5.6	-	10.5	W
Standby Power	No load@230VAC	-	-	0.5	W
Rise Time		-	-	500	ms
Start-up Delay		-	-	500	ms
Output Current Overshoot		-	-	10	%
Typical Output LF Current Ripple	@230VAC, Peak - Peak Full Load	-	50	-	%
Protection	Overload Protection	Max output voltage Protection			
	Overheat Protection	Auto recovery			
	Short-circuit Protection	Auto recovery			
RoHS Standard		Compliant			
Open Circuit Voltage	LSTC10W150P/LSTC10W200P/LSTC10W250P		60		Vdc
	LSTC10W350P		40		Vdc
	LSTC10W500P		30		Vdc
	LSTC10W700P		20		Vdc

Triac Dimming LED Driver

220V - 240V AC

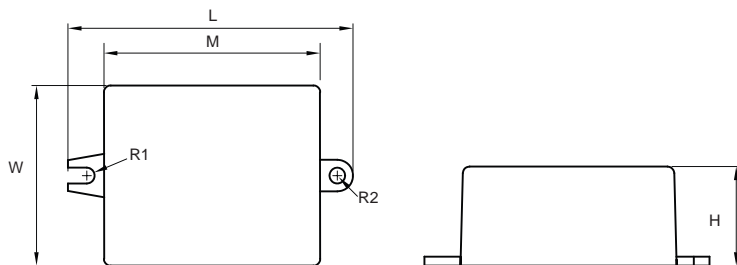


Electronic

Parameter	Conditions	Min	Nom	Max	Unit
Surge	L, N	-	1	-	KV
Ambient Temp.		-20	-	50	°C
Case Temp. (Tc)	LSTC10W150P/LSTC10W200P	@ Ta = 50 °C	-	65	°C
	LSTC10W250P/LSTC10W700P	@ Ta = 50 °C	-	70	°C
	LSTC10W350P/LSTC10W500P	@ Ta = 50 °C	-	75	°C
Operation Humidity	No condensation	10	-	90	%
Storage Temperature		-25	-	85	°C
Dimming Type			TRIAC		
Dimming Range		10	-	100	%
Lifetime	at Max Case hot spot Temperature		50,000		hrs
Dimension	L x W x H	63.3	40	23	mm

Physical

Parameter



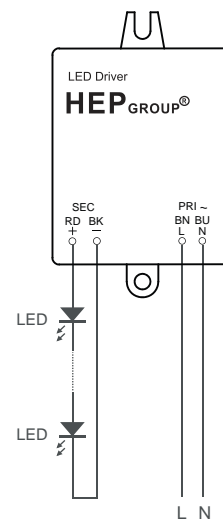
L : 63.3 mm W : 40 mm H : 23 mm
 M : 48 mm R1: 1.75 mm R2: 3.5 mm

Slot On One Side Allowing Alignment : M+/-3 mm
 Tolerance : ≥0 ~ 100 ≥+/-0.5 mm
 100 ~ ≥+/-1 mm

Hard Wires : PRI : Blue AWG 7022#18 140mm / Brown AWG 7022#18 140mm
 SEC : Red AWG 1332#22 145mm / Black AWG 1332#22 145mm

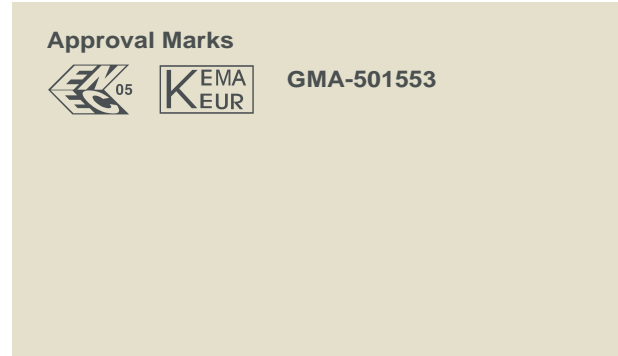
Housing Material : Polycarbonate / Potting
 Soldering : Lead-Free, Comply With RoHS
 Label : Surface Print

Wiring Diagram



Triac Dimming LED Driver

220V - 240V AC



The minimum load of the LSTC10WxxxP have been internally tested with all dimmers in the dimmer compatibility list by HEP. HEP confirmed all internal tests would be no problem for the minimum load specified in product spec sheet. As the test result with our dimmer list may be influenced by different LED specs or brands from customer side, the flickering probably will be happened in case or probably not.

If customer tested LSTC10WxxxP with HEP dimmer list and LED module less than 7.5W or down to minimum load specified in product spec sheet, the flickering did not happen and the compatibility should be no problem.

If flickering was observed, three solutions were advised for customer;

1. Raise LED loads up to 7.5W for LSTC10WxxxP
2. Change the selected dimmer with other types of dimmer from our dimmer compatibility list;
3. Replace the selected LED module with other specs or brands
4. In case all the above methods are not workable, please contact HEP sales for possible solution.

Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallel connection	Min. load (W)
Busch	6519U(550W)	20	7
Busch	6513U-102(420W)	15	7
CLIPSAL	32E450TM(450W)	15	7
JUNG	225 TDE(525W)	20	7