

Triac Dimming low output ripple LED Driver



Electronic

Parameter	Conditions	Min	Nom	Max	Unit
I/P Voltage Range		198	220-240	264	Vac
Input Frequency		47	50-60	63	Hz
Input Current	Full load @230Vac	-	-	260	mA
Output Voltage Range	LTTC40W500LR	56	-	80	Vdc
	LTTC40W525LR	53	-	76	Vdc
	LTTC40W550LR	48	-	68	Vdc
	LTTC40W575LR	46	-	66	Vdc
	LTTC40W600LR	40	-	57	Vdc
	LTTC40W625LR	40	-	57	Vdc
	LTTC40W650LR	40	-	57	Vdc
	LTTC40W675LR	40	-	57	Vdc
	LTTC40W700LR	38	-	57	Vdc
	LTTC40W725LR	38	-	54	Vdc
	LTTC40W750LR	36	-	51	Vdc
	LTTC40W775LR	34	-	48	Vdc
	LTTC40W800LR	34	-	48	Vdc
	LTTC40W825LR	32	-	45	Vdc
	LTTC40W850LR	30	-	42	Vdc
	LTTC40W875LR	30	-	42	Vdc
	LTTC40W900LR	28	-	40	Vdc
	LTTC40W925LR	28	-	40	Vdc
	LTTC40W950LR	28	-	40	Vdc
	LTTC40W975LR	28	-	40	Vdc
	LTTC40W1000LR	28	-	40	Vdc
Output Current Range	LTTC40W500LR	475	500	525	mA
	LTTC40W525LR	498	525	552	mA
	LTTC40W550LR	522	550	578	mA
	LTTC40W575LR	546	575	604	mA
	LTTC40W600LR	570	600	630	mA
	LTTC40W625LR	593	625	657	mA
	LTTC40W650LR	617	650	683	mA
	LTTC40W675LR	641	675	709	mA
	LTTC40W700LR	665	700	735	mA
	LTTC40W725LR	688	725	762	mA
	LTTC40W750LR	712	750	788	mA
	LTTC40W775LR	736	775	814	mA
	LTTC40W800LR	760	800	840	mA
	LTTC40W825LR	783	825	867	mA
	LTTC40W850LR	807	850	893	mA
	LTTC40W875LR	831	875	919	mA
	LTTC40W900LR	855	900	945	mA
	LTTC40W925LR	878	925	972	mA

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Parameter	Conditions	Min	Nom	Max	Unit
Output Current Range	LTTC40W950LR	903	950	998	mA
	LTTC40W975LR	926	975	1024	mA
	LTTC40W1000LR	950	1000	1050	mA
Rated Output Power	LTTC40W500LR	28	-	40	W
	LTTC40W525LR	27	-	40	W
	LTTC40W550LR	26	-	38	W
	LTTC40W575LR	26	-	38	W
	LTTC40W600LR	24	-	35	W
	LTTC40W625LR	25	-	36	W
	LTTC40W650LR	26	-	38	W
	LTTC40W675LR	27	-	39	W
	LTTC40W700LR	28	-	40	W
	LTTC40W725LR	27	-	40	W
	LTTC40W750LR	27	-	39	W
	LTTC40W775LR	26	-	38	W
	LTTC40W800LR	27	-	39	W
	LTTC40W825LR	26	-	38	W
	LTTC40W850LR	25	-	36	W
	LTTC40W875LR	26	-	37	W
	LTTC40W900LR	25	-	36	W
LTTC40W925LR	25	-	37	W	
LTTC40W950LR	26	-	38	W	
LTTC40W975LR	27	-	39	W	
LTTC40W1000LR	28	-	40	W	
Open-circuit Voltage	LTTC40W500LR	-	95	-	Vdc
	LTTC40W525LR	-	95	-	Vdc
	LTTC40W550LR	-	95	-	Vdc
	LTTC40W575LR	-	95	-	Vdc
	LTTC40W600LR	-	70	-	Vdc
	LTTC40W625LR	-	70	-	Vdc
	LTTC40W650LR	-	70	-	Vdc
	LTTC40W675LR	-	70	-	Vdc
	LTTC40W700LR	-	70	-	Vdc
	LTTC40W725LR	-	70	-	Vdc
	LTTC40W750LR	-	70	-	Vdc
	LTTC40W775LR	-	70	-	Vdc
	LTTC40W800LR	-	70	-	Vdc
LTTC40W825LR	-	70	-	Vdc	
LTTC40W850LR	-	55	-	Vdc	
LTTC40W875LR	-	55	-	Vdc	

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Approval Marks



Australia Certificate No. : TUV021050E

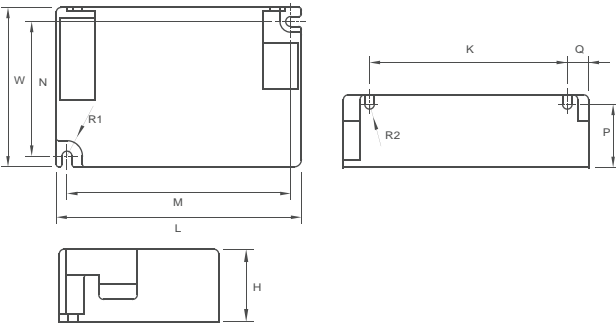
Electronic

Parameter	Conditions	Min	Nom	Max	Unit
Open-circuit Voltage	LTTC40W900LR	-	55	-	Vdc
	LTTC40W925LR	-	55	-	Vdc
	LTTC40W950LR	-	55	-	Vdc
	LTTC40W975LR	-	55	-	Vdc
	LTTC40W1000LR	-	55	-	Vdc
THD		-	-	20	%
Efficiency	Full Load	85	-	-	%
Standby Power	No load @230Vac	-	-	1	W
Rise Time		-	-	500	ms
Start-up Delay		-	-	500	ms
Output Current Overshoot		-	-	20	%
Typical output LF current ripple	Full Load	-	±4	-	%
Power Factor	Output power > 25W @ 230Vac	0.90	-	-	-
Protection	Short Circuit Protection	Auto recovery			
	Open circuit Protection	Max output voltage at no load			
	Over-Load Protection	Auto recovery			
Case Temperature(Tc)		-	-	+85	°C
External Operating Temperature		-20	-	+50	°C
Operating Humidity Range		10	-	95	%
Storage Temp. Range		-40	-	+85	°C
Lifetime	at Max Case hot spot Temperature	-	50,000	-	hrs
Dimming Range		10	-	100	%
Dimming Type		Triac dimming			
Case Dimensions	LxWxH	103	67	30.5	mm

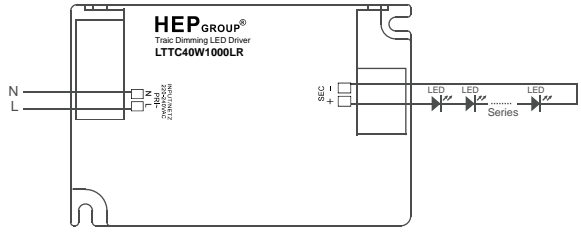
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Physical Parameter



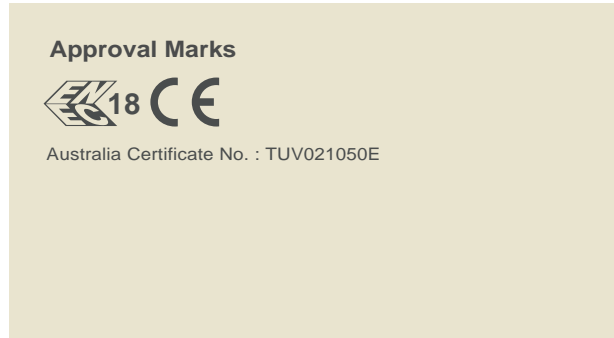
Wiring Diagram



- L : 103 mm P : 26.5 mm
- M : 94 mm K : 83.1 mm
- N : 56.6 mm Q : 4 mm
- W : 67 mm R1 : 2.1 mm
- H : 30.5 mm R2 : 2 mm

- Slot On One Side Allowing Alignment : M+/-3 mm
- Tolerance : $\geq 0 \sim 100 \geq +/0.5\text{mm}$
 $100 \geq +/1 \text{ mm}$
- Terminal Block : PRI : Push-Button
SEC : Push-Button
- Housing Material : Polycarbonate
- Soldering : Lead-Free, Comply With RoHS
- Label : Surface Print
- Cable Cross Section : PRI: 0.75-1.5mm² / AWG 18-16
SEC: 0.75-1.5mm² / AWG 18-16
- Stripping : 9mm

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Leading Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallel connection
Schneider	X3104(400W)	9
HPM	CAT400L(400W)	9
HPM	CAT300E(300W)	7
JUNG	266 GDE(600W)	14
Legrand	5734 62(400W)	9
Legrand	2810 84(500W)	11
Legrand	6145 26(500W)	11
Legrand	2800 80(500W)	11
Busch	2250U(600W)	14
KIWI Electronics	K010L(1000W)	23
KIWI Electronics	K004U(400W)	9
CHINT	NEW7-305(500W)	11
Crabtree	202693(1000W)	23
CLIPSAL	32V 500 SERIES(500W)	11
NORTH WEST	M1500(300W)	7
Merlin Gerin	C86 series (400W)	9
MK	DW480(400W)	9

Trailing Edge Dimmer list approved by HEP

Manufacturer	Model	Q'ty of parallel connection
Schneider	SBD315RC(315W)	7
CLIPSAL	32E450UDM(450W)	10
CLIPSAL	32E450TM(450W)	10
HPM	CAT400T(400W)	9
Berker	2874(525W)	12
Busch	6513U-102(420W)	9
Busch	6519U(550W)	12
JUNG	225 TDE(525W)	12
Hager	WUD42(500W)	11
KAOYI	KED-400A(400W)	9