

### Triac Dimming low output ripple LED Driver



**Approval Marks**



Australia Certificate No. : TUV020819EA

**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	-	-	120	mA
Output Voltage Range	LLTC20W300LR-Z	39	-	60	Vdc
	LLTC20W325LR-Z	39	-	59	Vdc
	LLTC20W350LR-Z	31	-	56	Vdc
	LLTC20W375LR-Z	34	-	52	Vdc
	LLTC20W400LR-Z	31	-	47	Vdc
	LLTC20W425LR-Z	30	-	46	Vdc
	LLTC20W450LR-Z	29	-	43	Vdc
	LLTC20W475LR-Z	27	-	41	Vdc
	LLTC20W500LR-Z	26	-	40	Vdc
	LLTC20W525LR-Z	23	-	35	Vdc
	LLTC20W550LR-Z	22	-	34	Vdc
	LLTC20W575LR-Z	21	-	32	Vdc
	LLTC20W600LR-Z	21	-	32	Vdc
	LLTC20W625LR-Z	20	-	31	Vdc
	LLTC20W650LR-Z	20	-	30	Vdc
	LLTC20W675LR-Z	19	-	28	Vdc
	LLTC20W700LR-Z	18	-	26	Vdc
Output Current Range	LLTC20W300LR-Z	285	300	315	mA
	LLTC20W325LR-Z	309	325	341	mA
	LLTC20W350LR-Z	333	350	368	mA
	LLTC20W375LR-Z	356	375	394	mA
	LLTC20W400LR-Z	380	400	420	mA
	LLTC20W425LR-Z	404	425	446	mA
	LLTC20W450LR-Z	428	450	473	mA
	LLTC20W475LR-Z	451	475	499	mA
	LLTC20W500LR-Z	475	500	525	mA
	LLTC20W525LR-Z	499	525	552	mA
	LLTC20W550LR-Z	523	550	578	mA
	LLTC20W575LR-Z	546	575	604	mA
	LLTC20W600LR-Z	570	600	630	mA
	LLTC20W625LR-Z	594	625	656	mA
	LLTC20W650LR-Z	618	650	683	mA
	LLTC20W675LR-Z	641	675	709	mA
	LLTC20W700LR-Z	665	700	735	mA

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Parameter	Conditions	Min	Nom	Max	Unit
Rated Output Power	LLTC20W300LR-Z	11.7	-	18	W
	LLTC20W325LR-Z	12.7	-	19.2	W
	LLTC20W350LR-Z	10.9	-	19.6	W
	LLTC20W375LR-Z	12.8	-	19.5	W
	LLTC20W400LR-Z	12.4	-	18.8	W
	LLTC20W425LR-Z	12.8	-	19.6	W
	LLTC20W450LR-Z	13.1	-	19.4	VW
	LLTC20W475LR-Z	12.8	-	19.5	W
	LLTC20W500LR-Z	13	-	20	W
	LLTC20W525LR-Z	12.1	-	18.4	W
	LLTC20W550LR-Z	12.1	-	18.7	W
	LLTC20W575LR-Z	12.1	-	18.4	W
	LLTC20W600LR-Z	12.6	-	19.2	W
	LLTC20W625LR-Z	12.5	-	19.4	W
	LLTC20W650LR-Z	13	-	19.5	W
	LLTC20W675LR-Z	12.8	-	18.9	W
LLTC20W700LR-Z	12.6	-	18.2	W	
Open-circuit Voltage	LLTC20W300LR-Z ~ LLTC20W400LR-Z	-	64	-	Vdc
	LLTC20W425LR-Z ~ LLTC20W600LR-Z	-	50	-	Vdc
	LLTC20W625LR-Z ~ LLTC20W700LR-Z	-	35	-	Vdc
THD		-	-	20	%
Efficiency	Full Load	80	-	-	%
Standby Power	No load @230Vac	-	-	0.5	W
Rise Time		-	-	500	ms
Start-up Delay		-	-	500	ms
Output Current Overshoot		-	-	20	%
Typical output LF current ripple	Full Load	-	±4	-	%
Power Factor	Full Load@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)		-	-	+70	°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	167	38.4	29.8	mm

