

LV 30/220-240/700 TA LG - 3 M

General Benefits

Better Reliability & Efficiency
1 phase, 3 wires system
Casing available in black, white & grey
Flicker Free
Output Current Selection with DIP Switch
Lifetime 50,000 Hrs
3 Years warranty



Application

Track Light

Approvals



Lucevita LED Power supply are with high reliability in compact housing having best surge protection, THD, Ripple Current in the industry.

Drivers generally used in track light application luminaires for residential, retail and Office space lighting.

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Parameters

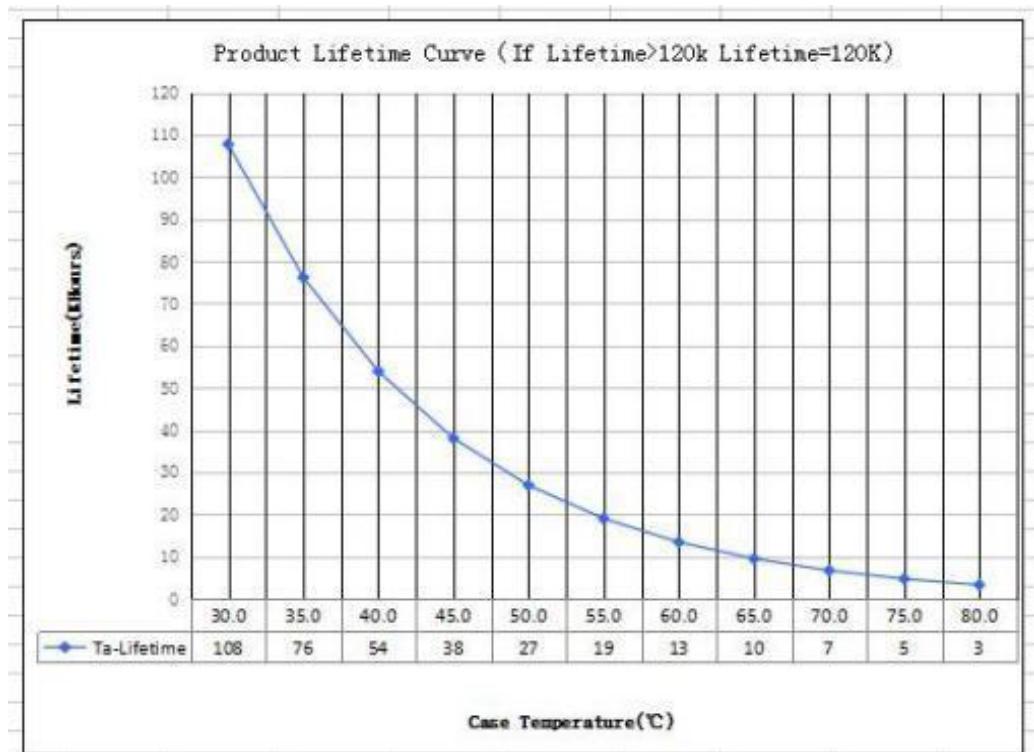
Category	Item	Technical Norm
Features	Output Type	Constant Current
	IP Grade	IP20
	Insulation Class	Class II
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC or 176-280VDC
	Frequency	50/60Hz
	Input Current	≤0.14A
	Input Power	≤33W
	Power Factor	≥0.95 (230VAC, full load)
Output	THD	≤20% (230VAC, full load)
	No-load Power Consumption	≤0.5W @230VAC
	Output Voltage Range	20-42VDC
	No Load Voltage	59VDC Max.
	Output Current	350/400/450/500/550/600/650/700mA
	Max. Output Power	29.4W
Protection	Efficiency	≥89% (230VAC, full load)
	Current Ripple	±5% (I _{max} -I _{min})/(I _{max} +I _{min})
	Current Accuracy	±5%
	Started Delay Time	≤0.5S (230VAC, full load)
	PSTLM	≤1
	SVM	≤0.4
Environment	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	3000V 5mA 60S between P-S
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	< 250µA, I/P to O/P or I/P to PE @230V input
Construction	T _a /Operation Temperature	-20...+35°C
	T _s /Storage Temperature	-40....+75°C
	T _c /Enclosure Temperature	75°C
	Humidity	10%....90%RH
	Atmosphere	86-108KPa
	Connection Method	Push-in Terminal
Standards	Installation	Build-in & Independent
	PRI Wire preparation	PVC, VDE certificated, 0.5- 1.5mm ² , with 8mm tin
	SEC Wire preparation	PVC, VDE certificated, 0.5- 1.5mm ² , with 8mm tin
	Dimension	142 x 34 x 33mm (L*W*H)
Others	Certification	BIS
	Safety Standards	EN61347- 1:2015,EN61347-2- 13:2014/A1:2017, EN62384:2006/A1:2009,AS61347.2. 13:2018, AS/NZS 61347. 1:2016 Inc A1
	EMC Standards	EN IEC 55015:2019,EN IEC 55015:2019/A11:2019, EN IEC 61000-3-2:2019, EN 61000-3-3:2013/A1:2019
	Performance	EN 62384
	Surge	L-N/2KV
	RoHS	Complied to 2011/65/EU
Others	Life Time	50000h T _c =75°C
	Warranty	3 years , F.R. <10%
	Noise	≤ 24dB @Background noise ≤ 18dB , Interval≥ 15cm

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Output Current Setting

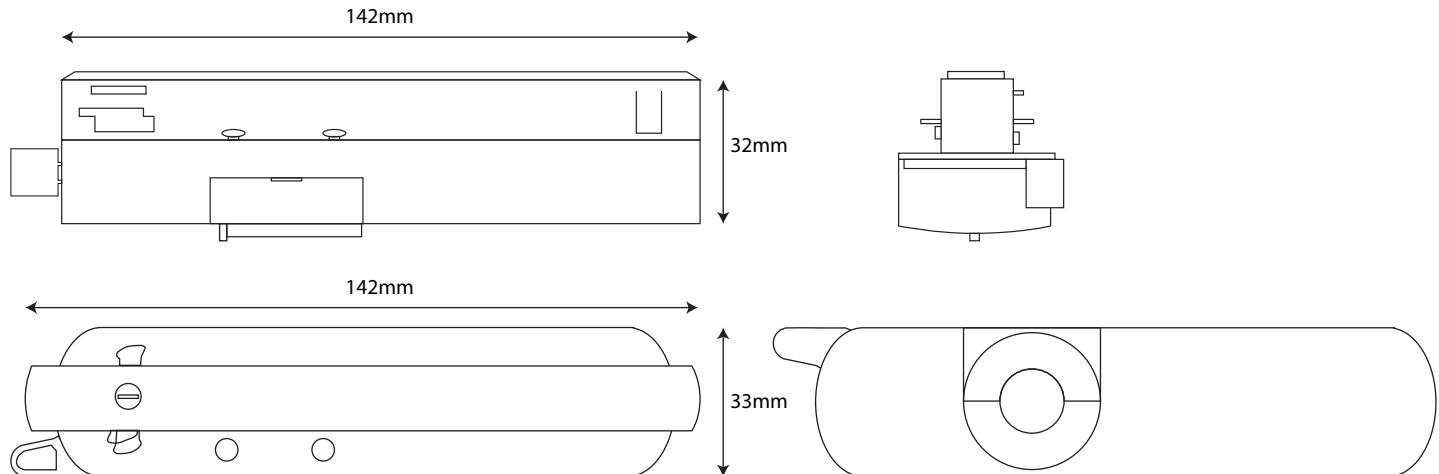
Output Current	1	2	3
350mA	-	-	-
400mA	-	-	ON
450mA	-	ON	-
500mA	-	ON	ON
550mA	ON	-	-
600mA	ON	-	ON
650mA	ON	ON	-
700mA	ON	ON	ON

Lifetime curve

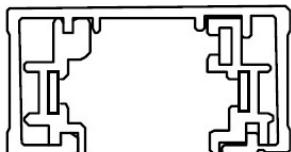


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Dimension



Phase Track Light Rail Specification



Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Secondary switching is not permitted (Except for constant voltage)
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

Remarks

1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3. Warranty Mentioned is a limited warranty only to the original purchaser or to the first user @ Tc max from the date of manufacturing when properly installed and operated under normal conditions of use.
4. Please refer our website for details warranty conditions.
5. For further details, kindly refer our website. www.lucevita.in, or email info@lucevita.in.