



TRTLIGHTING
ROAD & TUNNEL SYSTEMS

VAPOR



IP66 Ingress Protection



I Electrical Class



IK08 Impact Resistance



-20°C Minimum Ambient



2.5kg Weight



30°C Maximum Ambient

SPECIFICATION

- LED Colour Temperature 4000K
- Colour rendering index > 80
- Projected L70 after 50,000 hours
- Power Factor 0.89 at full load
- IP68 In-line Connectors
- Light weight low profile luminaire
- Optional Surge Protection 10kV/10kA
- LSF0H and Fire Resistant Cable Options
- Integral 3 hour Emergency (option)
- End or top Entry Connections for housing
- Through wiring available

240V RANGE OVERVIEW

Type	System Power	CCT	Lumen Output	CRI
2ft	20W	4000k	2400lm	>80
4ft	34W	4000k	4100lm	>80
5ft	47W	4000k	5600lm	>80

110V RANGE OVERVIEW

Type	System Power	CCT	Lumen Output	CRI
2ft	22W	4000K	2400lm	>80
4ft	37W	4000K	4100lm	>80
5ft	50W	4000K	5600lm	>80

MECHANICAL CHARACTERISTICS

Housing Material	GRP
Cover Material	Polycarbonate
Ingress Protection Rating	IP66
Weight (2ft/4ft/5ft)	1.0kg/2.0kg/2.5kg
Impact Resistance Rating	IK08
Mounting Methods	Surface or Suspended



All information detailed within this datasheet is accurate at the date of issue.
The information provided is subject to change at our discretion.
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VAPOR Luminaire Datasheet issue June 2019





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240V ELECTRICAL CHARACTERISTICS

	2ft	4ft	5ft
System Power	20W	34W	47W
LED CCT	4000k		
LED CRI	>80		
Lumen Output	2400lm	4100lm	5600lm
Lumen Maintenance	Projected L70 after 50,000 hours		
Driver Current	350mA	320mA	360mA
Driver Output	Constant current output with AM dimming		
Power Factor	0.89	0.95	0.95
Operational Voltage	240V		
Operating Frequency	50/60Hz		
Inrush Current (Apk/50%-uS)	8A/80uS	6A/80uS	6A/80uS
Running Current	0.11A max	0.16A max	0.22A max
Surge Protection (COM/DIF)	2kV/1kV	2kV/1kV	2kV/1kV
Additional Surge Protection (on request)	10kV/10kA (on request)		
Dimming Protocols	DALI	DALI	DALI
Dim Level	1-100%	25-100%	25-100%
Max. driver qty on MCB 16A Type C	100	40	40
Insulation Class	Class I		
Optional Connections & Through Wiring	Pre-cabled with LSF0H or Arctic Grade PVC Cable with IP68 in-line connectors		

110V ELECTRICAL CHARACTERISTICS

	2ft	4ft	5ft
System Power	22W	37W	50W
LED CCT	4000k		
LED CRI	>80		
Lumen Output	2400lm	4100lm	5600lm
Lumen Maintenance	Projected L70 after 50,000 hours		
Driver Current	350mA	320mA	360mA
Driver Output	Constant current output with AM dimming		
Power Factor	0.89	0.95	0.95
Operational Voltage	110V		
Operating Frequency	50/60Hz		
Inrush Current (Apk/50%-uS)	18A/88uS	23A/120uS	21A/240uS
Running Current	0.25A max	0.36A max	0.48A max
Surge Protection (COM/DIF)	1kV	1kV	1kV
Additional Surge Protection (on request)	10kV/10kA		
Dimming Protocols	0-10V	0-10V	0-10V
Dim Level	5-100%	5-100%	5-100%
Max. driver qty on MCB 16A Type C	140	83	25
Insulation Class	Class I		
Optional Connections & Through Wiring	Pre-cabled with LSF0H or Arctic Grade PVC Cable with IP68 in-line connectors		



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