



MERSE HERITAGE LANTERN



IP66
Ingress Protection



IK08
Impact Resistance



Up to 14kg



Electrical Class I



0.23m² Wind Area



-20 to 35°C Ambient



LED Light Source

SPECIFICATION

- ✓ LED colour temperature 2200K, 2700K, 3000K or 4000K
- ✓ Colour rendering index >70
- ✓ Projected L90 after 100,000 hours
- ✓ Power factor >0.95 at full load
- ✓ Copper body with aluminium canopy
- ✓ Black polyester powdercoat with white LED reflector
- ✓ Stainless steel fixings
- ✓ UV stable polycarbonate moulded glazing
- ✓ High efficiency PMMA lenses
- ✓ CLO available
- ✓ Zhaga Book 18 (SR) socket (top with cap) (optional)
- ✓ Optional Part Night Dimming (PND)
- ✓ DALI-2 and D4i certified control gear for use with CMS and external sensors/devices
- ✓ Hinged lid (with stay bar) to access sealed LED compartment
- ✓ Simplified maintenance with tool-less access
- ✓ Mounted via a wrought iron galvanised frog
- ✓ Recommended mounting height of 3m-8m
- ✓ UMSUG codes available for full product range

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RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Merse 24	5-30W	✓	✓	2200K, 2700K, 3000K or 4000K	Up to 4,709lm	>70
Merse 48	30-60W	✓	✓	2200K, 2700K, 3000K or 4000K	Up to 9,472lm	>70

ELECTRICAL CHARACTERISTICS

	MERSE 24	MERSE 48
System Power	5-30W	30-60W
LED CCT	2200K, 2700K, 3000K or 4000K	
LED CRI	>70	
Lumen Output	Up to 4,709lm	Up to 9,472lm
Lumen Maintenance	Projected L90 after 100,000 hours	
Driver Current	80-627mA	313-630mA
Driver Output	Constant current (with AM dimming)	
Power Factor (Full Load/Half Load)	0.95/0.90	
Operational Voltage	220-240VAC rms	
Operating Frequency	50/60Hz	
Inrush Current (Apk/50%-µS)	25A/236µS	32A/355µS
Running Current (Max)	130mA	260mA
Surge Protection (COM/DIF)	10kV/6kV	
Lighting Controls Options	Zhaga Book 18 (SR) socket (top with cap) and PND	
Dimming Protocols	DALI, D4i	

MECHANICAL CHARACTERISTICS

Housing Material	Copper (Grade 108) body with aluminium (Grade 1050) canopy
Cover Material	UV stable polycarbonate
Lens Material	PMMA
Housing Finish	Black polyester powdercoat
Ingress Protection Rating	IP66
Weight	Up to 14kg
Wind Area	0.23m ²
Impact Resistance Rating	IK08
Mounting Methods	Post top 76mm with wrought iron frog



FOR MORE INFORMATION

+44 (0) 1527 521 162

www.trtlighting.co.uk