



I-RANGE

Tunnel Lighting



IP66
Ingress Protection



IK08
Impact Resistance



5-13kg Weight



Electrical Class I



-20 to 35°C Ambient

SPECIFICATION

- ✓ LED colour temperature 3000K or 4000K (alternatives available)
- ✓ Colour rendering index >70
- ✓ Projected L90 after 100,000 hours
- ✓ Power factor >0.95 at full load
- ✓ Polyester powder coat finish in light grey, dark grey or a bespoke colour
- ✓ 511mm, 711mm and 1313mm housing lengths
- ✓ Lightweight low profile luminaire
- ✓ High quality marine grade aluminium
- ✓ PMMA lenses
- ✓ Toughened flat safety glass cover
- ✓ Variety of optics
- ✓ Optional remote IP66 junction box and NEMA 7 socket
- ✓ Dim level 8-100%
- ✓ DALI/1-10V options
- ✓ Integral control gear
- ✓ Pre-wired mains cable
- ✓ Silicone and PVC cable options
- ✓ Fixed clamp and adjustable stirrup clamp options



RANGE OVERVIEW

TYPE	IR-48	IR-64	IR-96	IR-192
System Power	67W	138W	214W	340W
Housing Length	511mm	511mm	711mm	1313mm
Asymmetric Optics	✓	✓	✓	✓
Symmetric Optics	✓	✓	✓	✓
Counterbeam Optics	✓	✓	✓	✓
CCT	3000K or 4000K			
Lumen Output	Up to 12,034lm	Up to 23,530lm	Up to 35,295lm	Up to 56,487lm
CRI	>70			

ELECTRICAL CHARACTERISTICS

TYPE	IR-48	IR-64	IR-96	IR-192
System Power	67W	138W	214W	340W
LED CCT	Projected L90 after 100,000 hours			
LED CRI	3000K or 4000K			
Lumen Output	>70			
Lumen Maintenance	Up to 12,034lm	Up to 23,530lm	Up to 35,295lm	Up to 56,487lm
Driver Current	450mA	700mA	700mA	700mA
Driver Output	Constant current output with AM dimming			
Power Factor (Full Load/Half Load)	0.95/0.90			
Operational Voltage	220-240VAC rms			
Operating Frequency	50/60Hz			
Driver Quantity per Luminaire	1	1	2	2
Inrush Current (Apk/50%-µS)	46A/250µS	53A/300µS	53A/300µS	53A/300µS
Running Current (Max)	280mA	580mA	890mA	1,420mA
Surge Protection (COM/DIF)	10kV/6kV Additional surge protection (on request)			
Dimming Protocols	DALI/1-10V			
Dim Level	12-100%	8-100%	8-100%	12-100%
Max. Driver Qty on MCB 16A Type C	11	8	8	8
Insulation Class	Class I (Luminaire)			
Connections	Luminaire complete with factory fitted silicone or PVC cable			

MECHANICAL CHARACTERISTICS

Housing Material	Extruded aluminium 6063T6 body with die-cast LM6 aluminium welded end caps	
Housing Finish	Chromate free pre-treatment, polyester powder coat, black (RAL9005)	
Cover Material	Toughened safety glass	
Lens Material	PMMA	
Clamp Material	Stainless steel 316	
Clamp Insulator Material	Nylon 11 coated	
Impact Protection Rating	IP66	
Weight	5kg (48 LED and 64 LED versions) 7kg (96 LED version) 13kg (192 LED version)	Add 1.4kg for fixing kit
Impact Resistance Rating	IK08	



All information detailed within this datasheet is accurate at the date of issue. The information provided is subject to change at our discretion. If any questions arise or extra information is required, please contact TRT Lighting directly. I-Range Tunnel Lighting issue July 2024.



FOR MORE INFORMATION

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