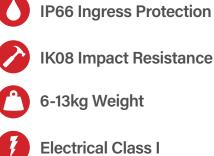
I-Range

TRTLIGHTING

Specification

- LED colour temperature 3000K or 4000K (alternatives available)
- High quality marine grade aluminium
- · Lightweight low profile luminaire
- 500mm, 700mm and 1300mm lengths
- Colour rendering index >70
- Power factor >0.95 at full load
- PMMA lenses
- Variety of optics
- Optional remote IP66 junction box and NEMA 7 socket
- Integral control gear
- Dim level 8-100%
- DALI/1-10V options
- Pre-wired mains cable
- Silicone and PVC cable options
- Projected L90 after 100,000 hours
- Toughened flat glass cover
- Fixed clamp and adjustable stirrup clamp options











Range Overview

Туре	IR-48	IR-64	IR-96	IR-192
System Power	67W	138W	214W	340W
Asymmetric Optics	 ✓ 	 ✓ 	 ✓ 	~
Symmetric Optics	 ✓ 	 ✓ 	 ✓ 	 ✓
Counterbeam Optics	 ✓ 	 ✓ 	 ✓ 	V
ССТ	3000K or 4000K	3000K or 4000K	3000K or 4000K	3000K or 4000K
Lumen Output	Up to 12,034lm	Up to 23,530lm	Up to 35,295lm	Up to 56,487lm
CRI	>70	>70	>70	>70



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 Datasheet issue January 2023.

I-Range

Electrical Characteristics

Туре	IR-48	IR-64	IR-96	IR-192	
System Power	67W	138W	214W	340W	
Lumen Maintenance	Projected L90 after 100,000 hours				
LED CCT	3000K or 4000K				
LED CRI	>70				
Lumen Output	Up to 12,034lm	Up to 23,530lm	Up to 35,295lm	Up to 56,487lm	
Driver Current	450mA	700mA	700mA	539mA	
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	0.28A max	0.58A max	0.89A max	1.42A max	
Surge Protection (COM/DIF)	10kV/6kV				
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	РММА		
Clamp Material	Stainless steel 316		
Clamp Insulator Material	Nylon 11 coated		
Ingress Protection Rating	IP66		
Weight (add 1.4kg for fixing kit)	6kg-13kg		
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 Datasheet issue January 2023.