



CHALIS

PowerSet

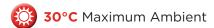
IP66 Ingress Protection



IK10 Bowl



8kg Weight







SPECIFICATION

- LED colour temperature of 3000k or 4000k
- Colour rendering index > 70
- Projected L90 after 100,000 hours
- · Power Factor 0.95 at full load
- High quality pressure die cast aluminium components
- Post top mounting 76mm
- Universal shield for front, back and sides available
- UMSUG codes available for full product range
- Tool-less access
- CLO Available

- · Light Grey or Black Finish
- Optional surge protection of 10kV/10kA
- Controls NEMA 3, 5, 7,
 Miniature Photocell and
 Zhaga Book 18 (SR) Socket.
- UV Stabilised Polycarbonate Bowl
- In-built Ventilation (breather)
 Plug for pressure equalisation
- Part Night Dimming (PND) with manual overide option
- DALI compatible for use with CMS
- Supplied Pre-Cabled with Arctic Grade PVC flex

RANGE OVERVIEW

Туре	System Power	Road Optics	Area Optics	сст	Lumen Output	CRI
Chalis 4 LED	14-50W	1	1	3000k or 4000k	Up to 5847lm	>70
Chalis 8 LED	51-83W	1	1	3000k or 4000k	Up to 9745lm	>70









PowerSet

ELECTRICAL CHARACTERISTICS

	Chalis 4 LED	Chalis 8 LED		
System Power	14W-50W	51W-83W		
LED CCT	3000k or 4000k			
LED CRI	>70			
Lumen Output	Up to 5,847lm	Up to 9,745lm		
Lumen Maintenance	Projected L90 after 100,000 hours			
Drive Current	245-1000mA	502-827mA		
Driver Output	Constant current output with AM dimming			
Power Factor (Full Load/Half Load)	0.95/0.90	0.95/0.90		
Operational Voltage	220-240VACrms			
Operating Frequency	50/60Hz			
Inrush Current (Apk/50%-uS)	53A/200uS	57A/210uS		
Running Current	0.208A max	0.350A max		
Surge Protection (COM/DIF)	10kV/6kV	8kV/6kV		
Additional Surge Protection (on request)	10kV/10kA			
Lighting Controls Options	NEMA 3, 5, 7, Miniature Photocell, Zhaga Book 18 (SR) Socket, PND and CMS compatible			
Dimming Protocols	DALI			

MECHANICAL CHARACTERISTICS

Housing Material	High pressure die cast aluminium		
Bowl Material	UV stabilised polycarbonate		
Lens Material	PMMA		
Housing Finish	Chromate free pre treatment Polyester powder coat Light Grey (RAL9006) Black (RAL9005)		
Ingress Protection Rating	IP66		
Weight	8.0kg		
Wind Area	0.14m ²		
Impact Resistance Rating	IK10 Bowl/IK08 Top		
Mounting Methods	Post Top 76mm		

SHIELDS OPTIONS

Universal - (Front/Rear/Side) 81BAF71353SV3

The PowerSet module option allows on site power adjustment providing maximum flexibility both in-situ and for stock holding.

Each module accomodates the selection of any one of the range of powers for the Chalis luminaire.



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.

