







# CHALIS

-  IP66  
Ingress Protection
-  IK10 Bowl/IK08 Top
-  8kg Weight
-  Electrical Class I
-  0.14m<sup>2</sup> Wind Area
-  -20 to 30°C Ambient



## SPECIFICATION

- ✓ LED colour temperature 3000K or 4000K
- ✓ 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, black or a bespoke colour
- ✓ High quality high pressure die cast LM6 aluminium components
- ✓ UV stabilised polycarbonate bowl
- ✓ Universal shield for front, rear and sides available
- ✓ In-built ventilation (breather) plug for pressure equalisation
- ✓ CLO available
- ✓ Controls - NEMA 3, 7, Miniature photocell and Zhaga book 18 (SR) socket
- ✓ Part Night Dimming (PND) with manual dimming override option
- ✓ DALI compatible for use with CMS
- ✓ Optional surge protection 10kV/10kA
- ✓ Supplied pre-cabled with Arctic Grade PVC flex
- ✓ Post top mounting 60mm or 76mm
- ✓ Tool-less access
- ✓ UMSUG codes available for full product range



## PowerSet

The **PowerSet** module allows on site power adjustment providing maximum flexibility both in-situ and for stock holding. Each module accommodates the selection of any one of the range of UMSUG coded system powers for the Chalis.



## RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Chalis 4 LED	10-50W	✓	✓	3000K or 4000K	Up to 5,847lm	>70
Chalis 8 LED	50-83W	✓	✓	3000K or 4000K	Up to 9,745lm	>70

ELECTRICAL CHARACTERISTICS	Chalis 4 LED	Chalis 8 LED
System Power	10-50W	50-83W
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	
Operational Voltage	220-240VAC rms	
Operating Frequency	50/60Hz	
Inrush Current (Apk/50%-S)	53A/200µS	57A/210µS
Running Current (max)	0.208A	0.350A
Surge Protection (COM/DIF)	10kV/6kV	8kV/6kV
Additional Surge Protection (on request)	10kV/10kA	
Lighting Controls Options	NEMA 3, 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), dark grey (RAL7022) black (RAL9005), other RAL colours on request
Ingress Protection Rating	IP66
Weight	8kg
Wind Area	0.14m <sup>2</sup>
Impact Resistance Rating	IK10 Bowl/IK08 Top
Mounting Methods	Post top 60mm or 76mm

## SHIELD OPTION

Universal (Front/Rear/Side)	81BAF71353SV3
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FOR MORE INFORMATION

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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. Chalis Datasheet issue Oct 2023.