

CHALIS

Light Guide



IP66
Ingress Protection



IK10 Bowl/IK08 Top



8kg Weight



Electrical Class I



0.14m² Wind Area



-20 to 30°C Ambient

SPECIFICATION

- ✓ LED colour temperature 3000K
- ✓ Colour rendering index >70
- ✓ Projected L80 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
- ✓ In-built ventilation (breather) plug for pressure equalisation
- ✓ Utilising the latest low glare light guiding technology
- ✓ 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 Light Guide.



RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
Chalis Light Guide Symmetric	23-47W	✓	✓	3000K	Up to 4,749lm	>70
Chalis Light Guide Asymmetric					Up to 4,808lm	

ELECTRICAL CHARACTERISTICS	Chalis Light Guide Symmetric	Chalis Light Guide Asymmetric
System Power	23-47W	
LED CCT	3000K	
LED CRI	>70	
Lumen Output	Up to 4,749lm	Up to 4,808lm
Lumen Maintenance	Projected L80 after 100,000 hours	
Drive Current	504-960mA	
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)	54A/190μS	
Running Current (max)	200mA	
Surge Protection (COM/DIF)	10kV/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), or bespoke colours on request
Ingress Protection Rating	IP66
Weight	8kg
Wind Area	0.14m²
Impact Resistance Rating	IK10 Bowl/IK08 Top
Mounting Methods	Post top 60mm or 76mm

SHIELD OPTION

Universal (Front/Rear/Side)	81BAF71660
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FOR MORE INFORMATION

+44 (0) 1527 521 162
www.trtlighting.co.uk