

ASPECT ECO



IP66
Ingress Protection



IK10 Body/IK08 Lens
Impact Resistance



5kg Weight



Electrical Class I



0.059m² Wind Area



-20 to +45°C Ambient



LED Light Source

SPECIFICATION

- ✓ LED colour temperature PC-Amber*, 2200K, 2700K, 3000K or 4000K
- ✓ Colour rendering index >70 (*> 55)
- ✓ 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
- ✓ Stainless steel fixing screws with stainless steel inserts in pivot
- ✓ Exposed PMMA lenses
- ✓ Replaceable gear tray without the need for tools
- ✓ Replaceable IP66 LED modules
- ✓ CLO available
- ✓ PowerSet feature - Field adjustable, integral power output selection device (optional)
- ✓ Controls - NEMA 3, 7, Miniature Photocell and Zhaga Book 18 (SR) socket
- ✓ Part Night Dimming (PND) with manual dimming override option
- ✓ Dim level 10-100%
- ✓ DALI compatible for use with CMS
- ✓ Optional surge protection 10kV/10kA
- ✓ Post top mounting 60mm or 76mm
- ✓ Side entry mounting of 34mm, 42mm, 60mm or 76mm
- ✓ Post top inclination of 0°, +5° and +10°
- ✓ Side entry inclination of -10°, -5°, 0°, +5° and +10°
- ✓ 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 Aspect Eco.



RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
ASE12	10-35W	✓	✓	PC-Amber*, 2200K, 2700K, 3000K or 4000K	Up to 5,249lm	>70 (*>55)
ASE24	19-51W	✓	✓	PC-Amber*, 2200K, 2700K, 3000K or 4000K	Up to 8,562lm	>70 (*>55)

ELECTRICAL CHARACTERISTICS	ASE12	ASE24
System Power	10-35W	19-51W
LED CCT	PC-Amber*, 2200K, 2700K, 3000K or 4000K	
LED CRI	>70 (*>55)	
Lumen Output	Up to 5,249lm	Up to 8,562lm
Lumen Maintenance	Projected L90 after 100,000 hours	
Driver Current	220-900mA	225-700mA
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	
Inrush Current (Apk/50%-µS)	26A/180µS	53A/200µS
Running Current (Max)	146mA	213mA
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
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	5kg
Wind Area	0.059m ²
Impact Resistance Rating	IK10 (body)/IK08 (lens)
Mounting Methods	Post top 60mm or 76mm/side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	-10°, -5°, 0°, 5° & 10°
Photometric Centre	350mm (to centre of PCB)

SHIELD OPTIONS

Front (Universal)	83BAF70496
Rear (Universal)	83BAF70497
Side (ASE12)	83BAF70519
Side (ASE24)	83BAF70544

