

ASPECT 80 LED



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
- ✓ Toughened flat glass cover
- ✓ Replaceable gear tray without the need for tools
- ✓ 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



IP66
Ingress Protection



IK08
Impact Resistance



9.2kg Weight



Electrical Class I



0.068m² Wind Area



-20 to 40°C Ambient



LED Light Source



DarkSky International approved Aspect 80 LED.
Compliant when using a colour temperature of
3000K or below and at zero degree tilt.

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 80 LED.



RANGE OVERVIEW

Type	System Power	Road Optics	Area Optics	CCT	Lumen Output	CRI
AS80	98-208W	✓	✓	PC-Amber*, 2200K, 2700K, 3000K or 4000K	Up to 30,729lm	>70 (*>55)

ELECTRICAL CHARACTERISTICS

System Power	98-208W
LED CCT	PC-Amber*, 2200K, 2700K, 3000K or 4000K
LED CRI	>70 (*>55)
Lumen Output	Up to 30,729lm
Lumen Maintenance	Projected L90 after 100,000 hours
Driver Current	425-871mA
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)	80A/225µS
Running Current (Max)	870mA
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
Cover Material	Toughened flat safety glass
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	9.2kg
Wind Area	0.068m ²
Impact Resistance Rating	IK08
Mounting Methods	Post top 60mm or 76mm/side entry 34mm, 42mm, 60mm or 76mm
Mounting Inclination	-10°, -5°, 0°, 5°, 10°
Photometric Centre	450mm (to centre of PCB)

SHIELD OPTIONS

Universal Front/Rear	81BAF70458
Side	81BAF70657



FOR MORE INFORMATION

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