

LED Engines

General

IP-Rating	IP20 (IP54 available on request)
Construction	Diecast Aluminium Heatsink (Cold-forged)
Operating Temp	-10°C to +40°C
Warranty	5 years
Optics	Lens (Reflector on request)
Beam Angles	12° / 24° / 38° (60° lens on request)

LED Information

Binning	3 SDCM (3-step MacAdam Ellipse)
Tolerance	Lumen output ±7% / CCT tolerance ±150k
Operating Voltage	220-240v, 50/60 Hz (via Control Gear)
Test Standards	LED Chip: LM-80 / Engine: EN 62031:2020
LED Lifetime	50,000h (B80 L10)



Technical Data / Sizes

Ø50mm x H 55mm

Ø50mm x H 67mm

Tested with 38° lens	8.9w (Standard LED Engine, Ø8mm LES)			12.2w (High-output LED Engine, Ø10mm LES)		
CCT	2700k	3000k	4000k	2700k	3000k	4000k
Lumens @ 80 CRI	960lm	960lm	1072lm	1530lm	1591lm	1692lm
90 CRI Multiplier*	0.81	0.84	0.87	0.81	0.84	0.87
Drive Current	500mA			350mA		
Forward Voltage	18v			36v		

Notes

- *Lumen Output: the stated figures are for delivered lumens (system lumens) that take into account power losses.
- *Refer to .ies files for lumen output data (available on request) / 90 CRI Multiplier is for guideline purposes only
- For the latest technical datasheets please contact us or visit akclighting.com

• **Other LED Module and Control Gear specs are available, to suit a variety of budgets - contact us for further details and to discuss your Project's requirements.**