

MK585 MAKO® SERIES LED LUMINAIRE POLE MOUNTED

MK585 MAKO® series is a new generation commercial luminaire with professional grade LED components and design. The sleek body and versatile mounting options make it suitable for use in carparks, tennis courts, security lighting, wall mounted lighting, sports fields, general area floodlighting, sensor automation, and more. MAKO® is available in several body sizes and mounting hardware and brackets are modular.

ELECTRICAL PARAMETERS

Input Voltage:	100-277VAC
LED Power:	40W / 75W / 115W / 145W
LED Driver Classification:	Integrated MK Constant Current
Light Source Classification:	Lumileds Modular SMD LED

MECHANICAL SPECIFICATIONS

Minimum IK Rating:	IK10
IP Protection Rating:	IP66
Nominal Dimensions:	585x270x56mm
Construction Material:	Aluminium Housing with Cooling
Standard Colour/Finish:	Matt Silver / Black / White
Recommended Ambient Temp:	-40°C - 50°C



CONFIGURATION OPTIONS

- Can be fitted with integrated motion sensor or Photo PE cell.
- Compatible with centralised control and network systems
- Wall mount, bracket mount or pole mounted options
- LED light panel is field rotatable to customise on site

PHOTOMETRIC INFORMATION

Typical Lumen Efficacy:	170lm/W or 145lm/W
Colour Rendering (Ra):	>80Ra
Distribution Option:	IES Type III / Type IV / Type V

CONTROL OPTIONS

Optional NEMA socket allows for plug in PE cell and/or motion sensor for automation. Other control options are available by special request. Control protocols include DALI, Casambi, Wireless Networking and more. Contact Industiralight for more options.

COMPLIANCE & CERTIFICATION

- IESNA2002, DLC Listed, UL:E354989
- AS/NZS60598, LM79-08, LM80, LED Tj <85°
- Lifespan: Exceeds 100,000hrs @ L70
- Lifespan: Exceeds 50,000hrs @ L90

CASAMBI



ORDERING INFORMATION

Model Number:	MK585
Specify Power Option:	40W / 75W / 115W / 145W
Specify LED CCT:	3000K / 4000K / 5000K / 6500K
Specify Light Distribution:	Type III / Type IV / Type V / TVWQ
Specify Finish/Colour:	Black / White / Matt Silver
Input Voltage Option:	100-240VAC or 24VDC
Specify Mounting:	Pole / Bracket / Wall Mounted

All product details are subject to change without notice. Final specifications may vary.



MK585 Pole Mounted
with MK-SF10 Slip Fitter



MAKO® SERIES - MAIN FEATURES

V1.2230821

ENERGY SAVING & CONTROL

Optional dimming control via 1-10V, DALI or wireless interface. Full suite of optional sensors can be easily integrated including photo-electric (PE cell), microwave detection sensor, PIR and accepts standard NEMO socket devices.

LONG SERVICE LIFESPAN

Minimum L70 lifespan of 50,000 hours. Longer lifespan expectancy depending upon the ambient temperature of the installation location. Advanced cooling fin design minimises LED lumen depreciation.

LUMILEDS® LED ENGINE

high-brightness LEDs in Warm White, Neutral White or Cool White color temperatures. 70-85 CRI by request. Within 3-Step SDCM, 2-Step SDCM by request. LM80, TM21 report data. 175lm/W or 145lm/W Lumen packages.

DISTRIBUTION/PERFORMANCE

High performance, multi-faceted, reflector provides uniform Forward Throw (FT) distribution with full backlight cutoff. Photometric data prepared in accordance with IESNA guidelines. Typ II, Type III, Type IV available.

IP66 HOUSING

One-piece, die-formed aluminum housing contains factory pre-wired driver in a gasketed, weather-resistant wiring compartment. Hinged wiring access door (with safety tether) located in underside.

MOUNTING ACCESSORIES

Full range of purpose build accessories for mounting into different locations. Pole mounted, trunnion brackets, adjustable tilt brackets and wall mounted brackets. Compatible with all Polecraft poles and accessories.

ROTATABLE OPTICAL UNIT

Precision engineered lenses made of optical grade Mitsubishi polycarbonate for maximum light intensity and light distribution. The optical unit can be rotated by the installer for optimal adjustment and versatile light distribution.

FIXINGS AND MOUNTING

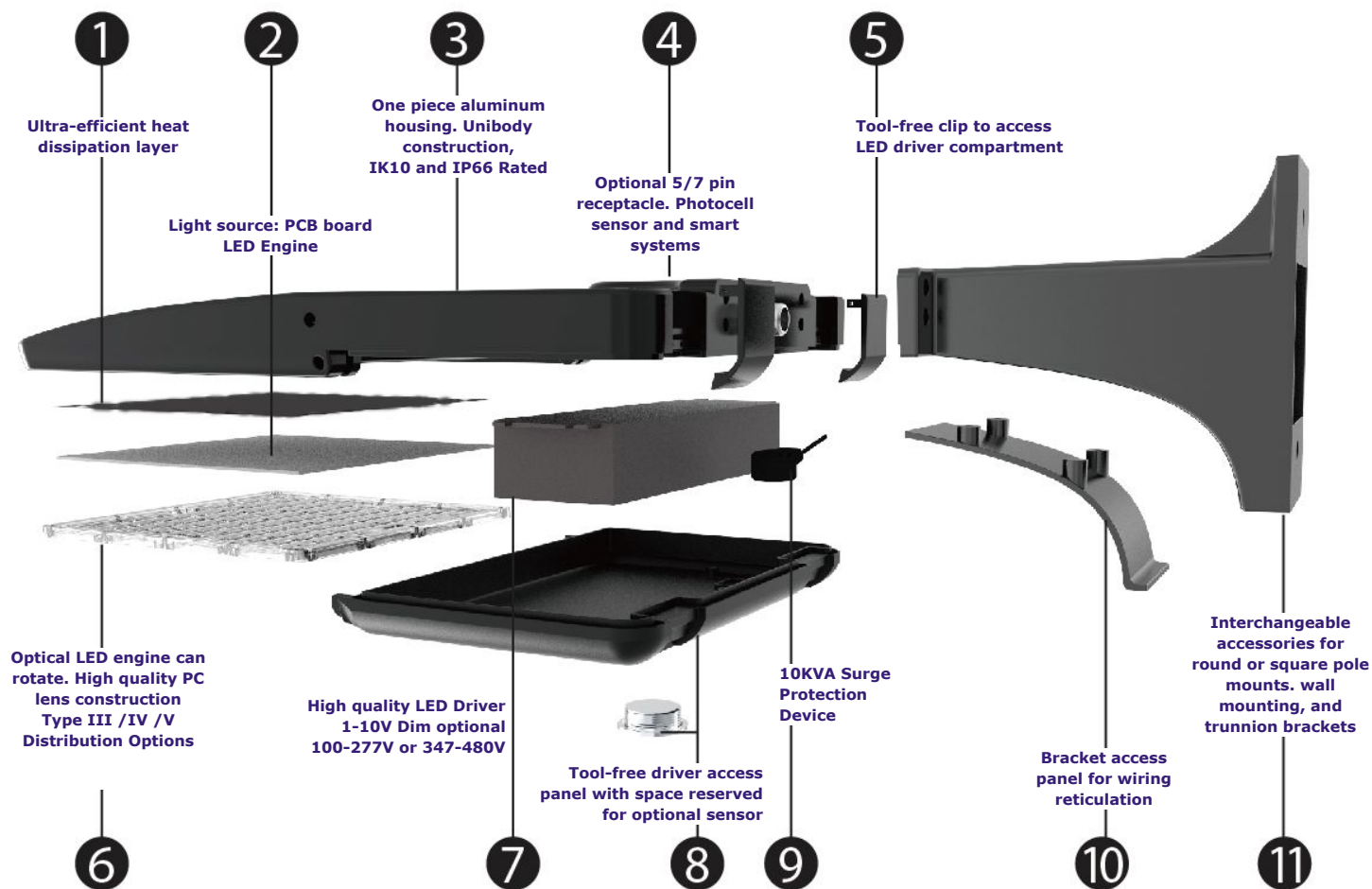
The fixture is furnished with installed stainless steel, threaded mounting studs protruding from the rear of the housing. Stainless steel nuts and washers used to secure the fixture to the bracket are also included

ELECTRICAL PROTECTION

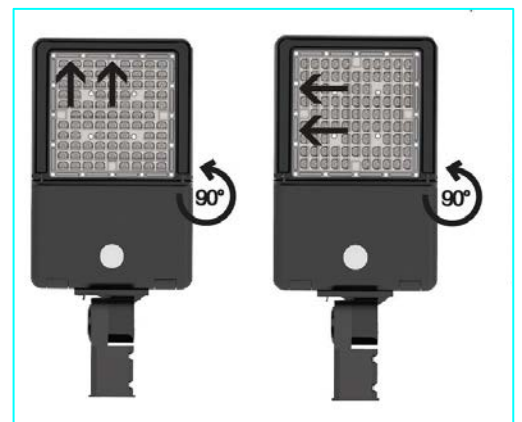
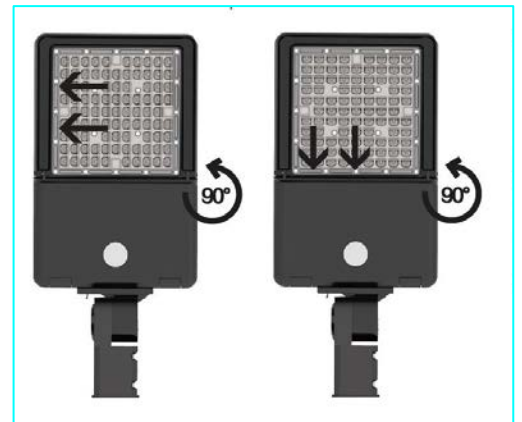
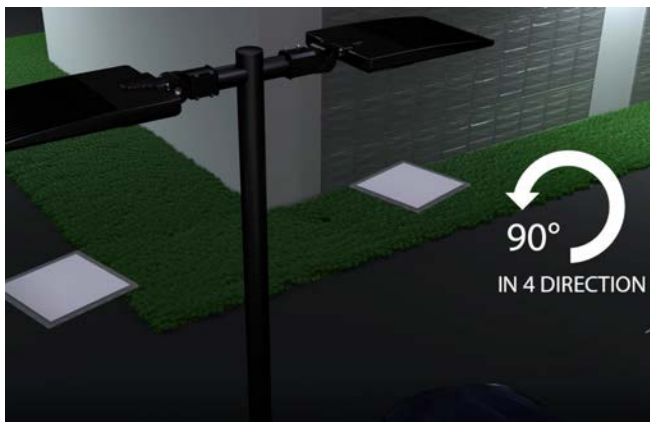
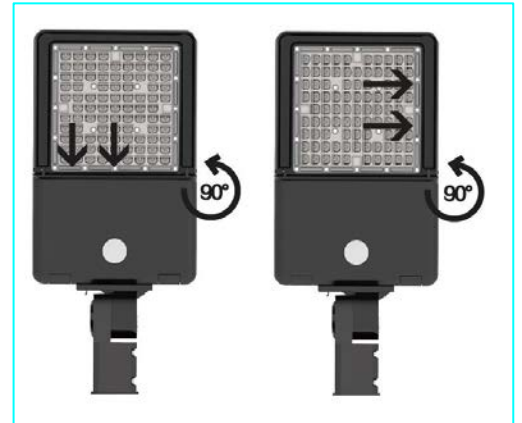
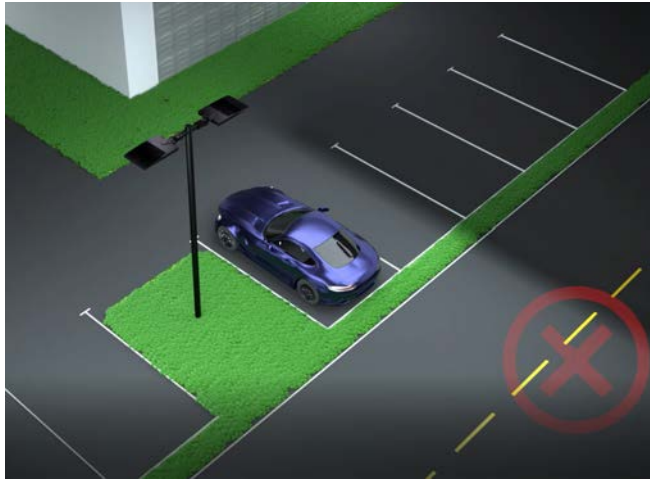
Two-stage surge protection (including separate surge protection built into electronic driver). Available with universal voltage power supply 120-277VAC (50/60Hz input). Optional power input option 347-480VAC by request.

INTEGRATED HIGH QUALITY LED DRIVER

High-output constant current drive current. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can be easily accessed.

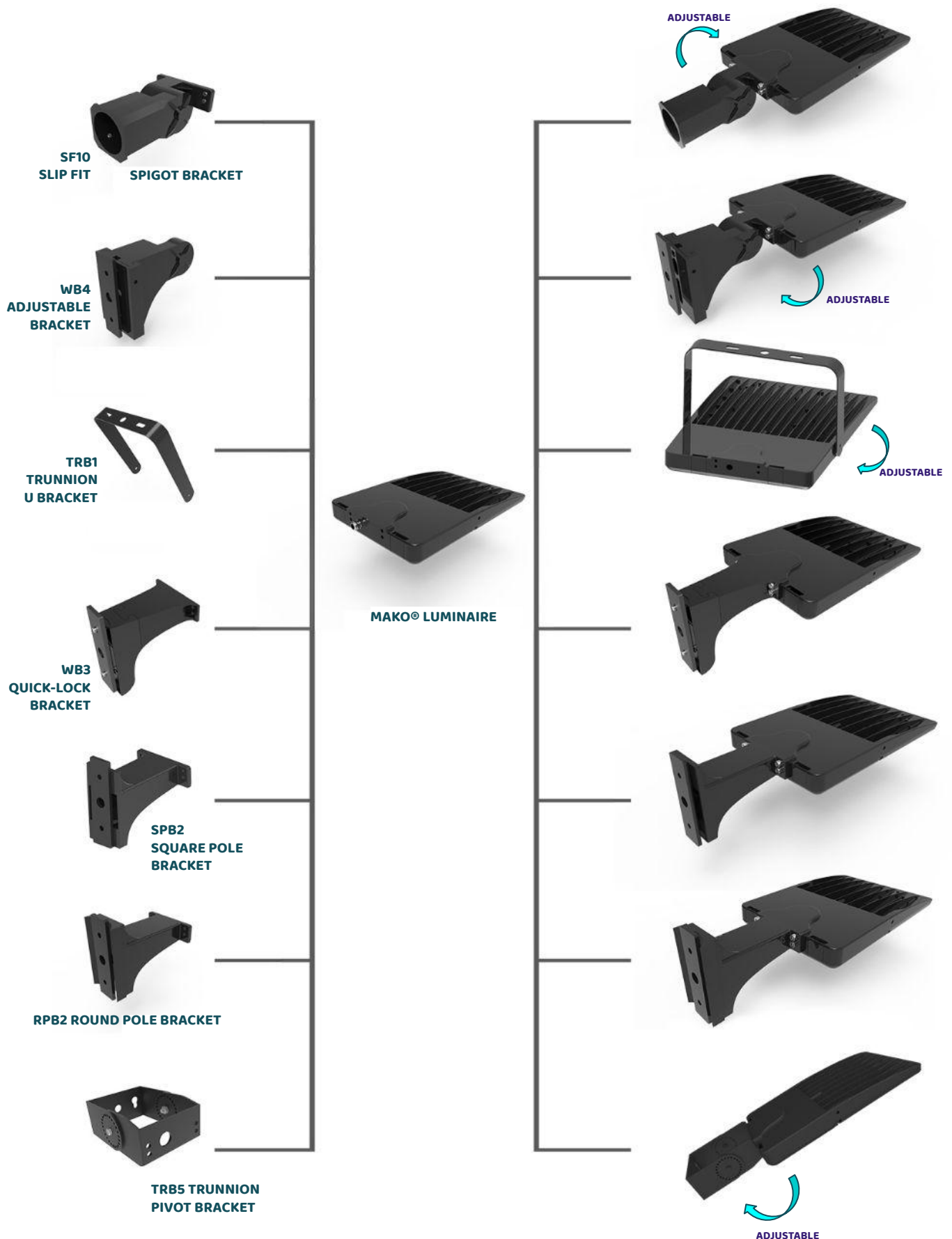


Industrialight Mako® Series features adjustable optics. The optical LED light engine unit can be rotated by the installer for adjustment and versatile light distribution. It enables configuration in the field to maximise the best lighting outcomes for all projects



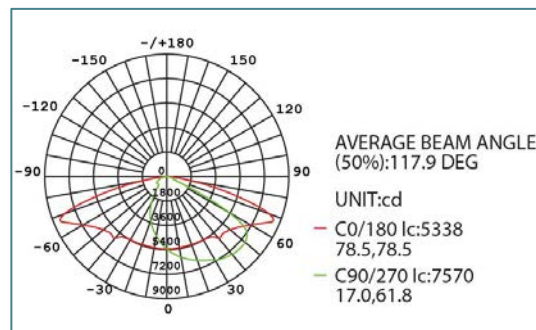


The sleek body and versatile mounting options make it suitable for use in car parks, tennis courts, security lighting, wall mounted lighting, sports fields, general area floodlighting, sensor automation, and more. MAKO® is available in several body sizes and mounting hardware and brackets are modular.



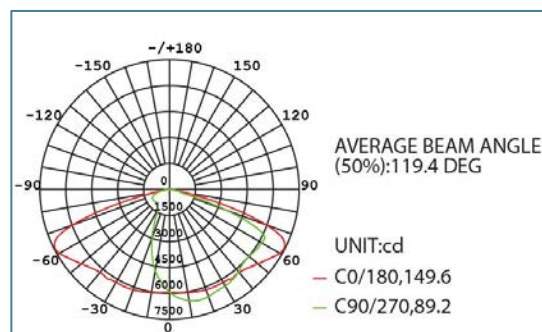
TYPE III MEDIUM DISTRIBUTION

WATTAGE	BUG RATING	LUMEN OUTPUT
75W	B2-U0-G2	10764
115W	B3-U0-G2	15066
145W	B3-U0-G3	19522
180W	B3-U0-G3	30870
200W	B4-U0-G3	33012
230W	B4-U0-G3	36162
300W	B4-U0-G4	49353
420W	B4-U0-G5	61141



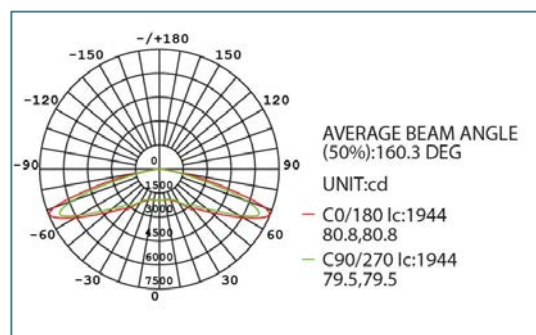
TYPE IV MEDIUM DISTRIBUTION

WATTAGE	BUG RATING	LUMEN OUTPUT
75W	B2-U0-G2	13121
115W	B3-U0-G3	18689
145W	B3-U0-G3	24699
180W	B3-U0-G4	30870
200W	B4-U0-G4	33012
230W	B4-U0-G4	36162
300W	B4-U0-G5	48529
420W	B4-U0-G5	60119



TYPE V MEDIUM DISTRIBUTION

WATTAGE	BUG RATING	LUMEN OUTPUT
75W	B4-U0-G2	13121
115W	B4-U0-G2	18689
145W	B5-U0-G3	24699
180W	B5-U0-G4	30870
200W	B5-U0-G4	33012
230W	B5-U0-G4	36162
300W	B5-U0-G4	50324
420W	B5-U0-G5	62343



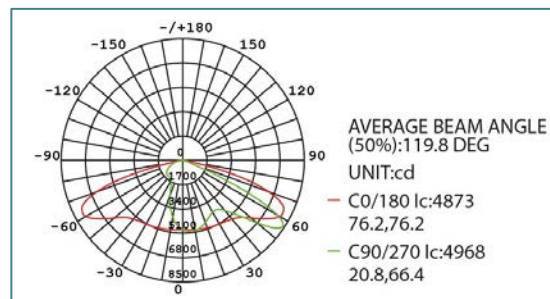
Lumen results on this page are typical values. Configuration: 170lm/W configuration, 5000K LED, CRI70

IESNA photometric testing performed to IESNA LM79-08 standards by NVLAP/NATA accredited laboratory

All product details are subject to change without notice. Final specifications may vary. IES Files available by request

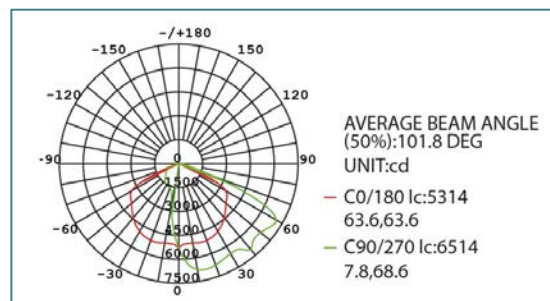
TYPE III MEDIUM DISTRIBUTION

WATTAGE	BUG RATING	LUMEN OUTPUT
75W	B2-U0-G2	10764
115W	B3-U0-G3	15066
145W	B3-U0-G3	19522
180W	B3-U0-G3	25648
200W	B3-U0-G3	28058
230W	B3-U0-G3	31123
300W	B4-U0-G4	37200



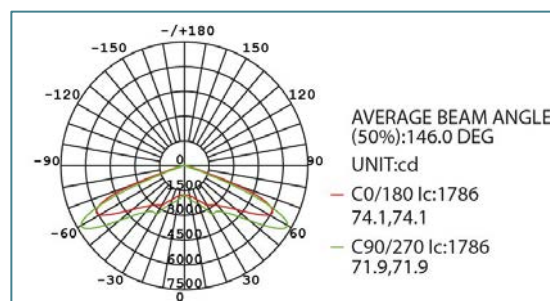
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TYPE V MEDIUM DISTRIBUTION

WATTAGE	BUG RATING	LUMEN OUTPUT
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115W	B4-U0-G2	15066
145W	B4-U0-G2	19522
180W	B5-U0-G3	25648
200W	B5-U0-G3	28058
230W	B5-U0-G4	31123
300W	B5-U0-G4	37200



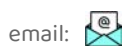
Lumen results on this page are typical values. Configuration: 145lm/W configuration, 5000K LED, CRI70

IESNA photometric testing performed to IESNA LM79-08 standards by NVLAP/NATA accredited laboratory

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MAKO® SERIES - SPORTS LIGHTING

Industrialight Mako® Series is excellent for tennis courts, soccer and football pitches, softball, outdoor courts, lawn bowls, golf putting greens, and many other sports field applications.

- Various LED Power Options up to 420W
- Replace up to 1000W Metal Halide
- >50% Energy reduction vs H.I.D Metal Halide
- Architectural Pole Systems Available
- Suitable for Square or Round Poles
- Solid State Lighting - Instant Start 100%
- Dimming, Sensor and Wireless Control Options
- Smooth Uniformity for high standards
- Complies with Australian standards & conditions

OPTIONAL GLARE SHIELD MKGS2