



POI-250 Beam

Colour changing beam light



Description

POI Beam fixtures are all about design flexibility. The custom designed 7,5° optic with a narrow field angle delivers a high center beam intensity, perfect for long throw and precision applications while also forming a great foundation to create a wide variety of beam angles with external optical filters.

Features and benefits

- ✓ 10192 lumen & 322763 candela at 4000K calibrated white
- ✓ Custom 7,5° optic can be combined with a wide selection of external filters
- ✓ Factory colour-calibrated ensuring white & colour consistency
- ✓ RGBW quad-chip LED with 3000K & 4000K white option
- ✓ Built-in power supply
- ✓ Made with recycled aluminium

Certifications & classifications

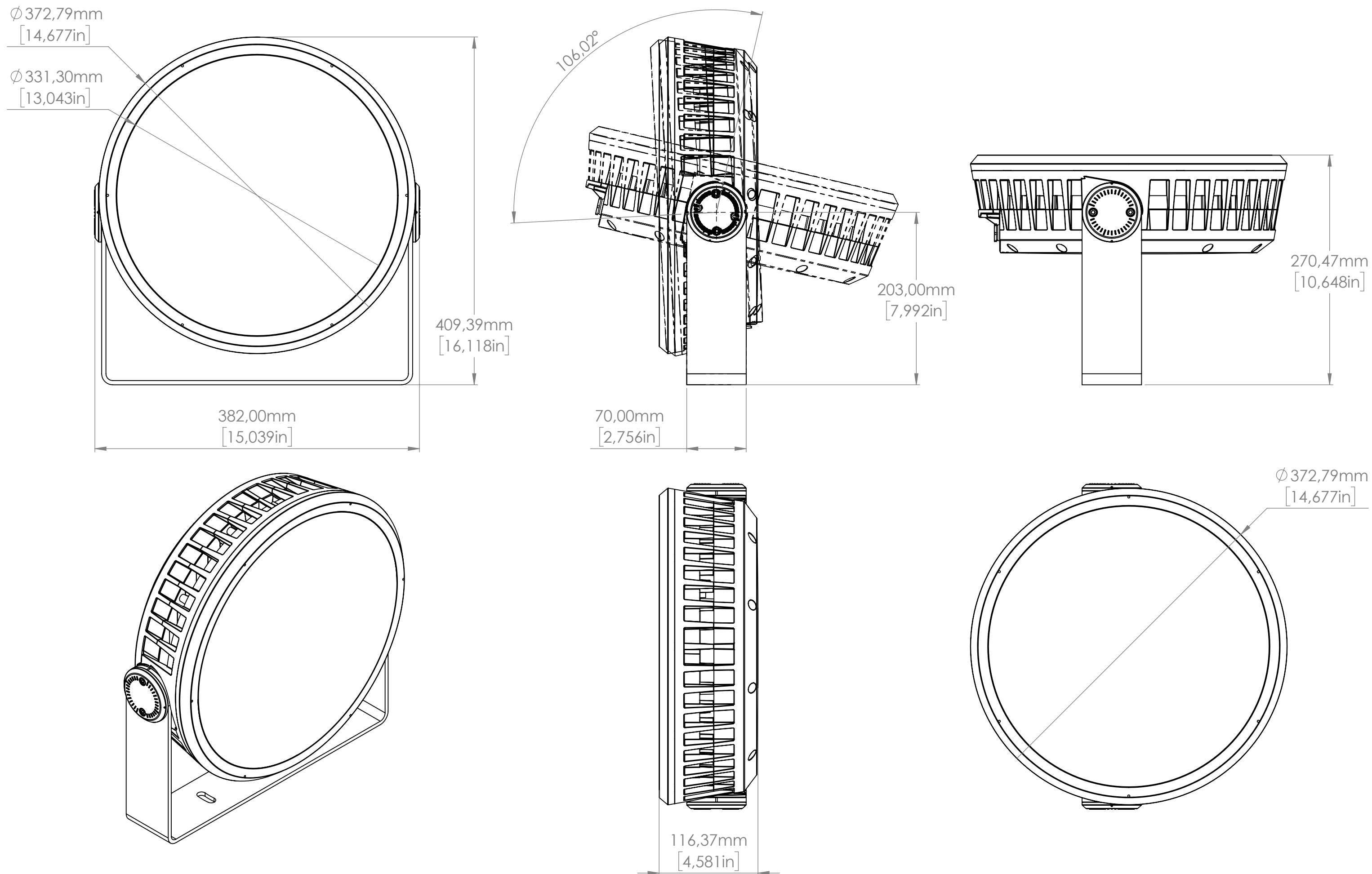
IP66
INGRESS

C5
CORROSION

IK08
IMPACT

UV
RESISTANT

CE



Specification

Optical Data

Dominant wavelength (λ_d) - blue	450 - 455 nm*
Dominant wavelength (λ_d) - green	520 - 525 nm*
Dominant wavelength (λ_d) - red	620 - 630 nm*
LED expected lifetime (L70)	150.000 hours**
Lens options (built-in)	7.5°
Lens options (external)	Diffuser 20° 30° 50° 80° 7,5x40° 7,5x60° Asymmetric (20° offset)
Lightsources	RGBW3K (quad-chip) RGBW4K (quad-chip)
Notes	*: ± 1 nm measurement tolerance. **: Projected. Under manufacturer's conditions. Ta=25°C

Photometric

Center beam intensity	322763 cd*
Color quality - CRI	70+ *
Color quality - TM-30 (Rf / Rg)	86 / 112
Color temperature range	2000K - 10000K
Efficacy	41 lm/W*
Light output - all on	10192 lm*
Light output - blue	1076 lm
Light output - green	5682 lm
Light output - red	2880 lm
Notes	*: 4000K calibrated white & 7.5° lens. Lumen Optimised Mode. LM-79. Ta=25°C.

Physical

Color options	Custom color - Any RAL Grey - RAL 7037
Corrosion class	C5 High (ISO 12944)
IK rating	IK08
IP class	IP66
Lens material	Tempered glass front
Material	Aluminium Plastic Stainless steel Recycled aluminium
Net dimensions L x H x W (imperial)	4.6 x 16.2 x 15.1 inches
Net dimensions L x H x W (metric)	117 x 410 x 382 mm

	Net weight	11.2 kg (24.7 lbs)
	Vibration Rating	3G (with optional bracket)
Features	Color calibration	SGM proprietary with TruColor® and DynaMix®
	Remote monitoring	Yes (Real Time via RDM)
Electrical	Electrical protection	4kV surge protection
	Input voltage (nominal)	100 - 277 VAC; 50 / 60 Hz
	Max inrush current 230VAC	60 A
	Max power consumption	250 W
	Standby power consumption	6.7 W
Programming and Control	Protocol	USITT DMX512A RDM ANSI E1.20
	Setting and addressing	RDM ANSI E1.20
	Standalone mode	White & color presets. Enabled with magnet via LED indicator.
Connections	Connection	1,5m combined power and DMX cable with bare ends
Thermal	Temperature range, operating	-40°C to 50°C
	Temperature range, start-up	-20°C to 50°C
	Temperature range, storage	-40°C to 80°C
	Total heat dissipation, max power	853 BTU per hour
	Total heat dissipation, standby	22.9 BTU per hour

Ordering information

Qty	Product name	Item number
☐	POI-250 Beam, RGBW3K, 7.5°, CU, DMX	80300691
☐	POI-250 Beam, RGBW4K, 7.5°, GR, DMX	80300680
☐	POI-250 Beam, RGBW3K, 7.5°, GR, DMX	80300681
☐	POI-250 Beam, RGBW4K, 7.5°, CU, DMX	80300690
☐		
Accessories		Item number
☐	SGM USB uploader cable, POI	83062067
☐	POI-250 Beam Half Anti-glare Shield	
☐	POI-250 Beam External Filter Holder	
☐	POI-250 Beam External Filters	
☐	POI-250 Beam Full Anti-glare Shield	
☐		



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