ATTO S

PRODUCT OVERVIEW

STANDARD LIGHT ENGINE



KEY FEATURES

Beam Options: 16 | 23 | 45 | 90
Light Engine Performance: 94lm | 1.12W
Movement: 360 Pan | 180 Tilt
Micro-optics
Tool-less field changeable optics
UK Part L1 / L2 (Display) Compliant

OVERVIEW

Atto S is a Constant Current single source LED spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium along with three premium brass finishes. It has four site-changeable optics for flexible beam distribution and is fully adjustable with lockable 360° pan and 180° tilt. Our 94lm | 1.12W light engine has a max peak intensity of 794cd.

PERFORMANCE

	Standard			
	Narrow	Medium	Flood	W. Flood
FWHM	16°	23°	45°	90°
Luminous Flux	94 lm	92 lm	93 lm	69 lm
Peak Intensity	794 cd	359 cd	109 cd	26 cd
CCT	2700K | 3000K			
CRI Min.	95 | 95			
LED Current	0.350 A			
Voltage	3.2 V			
Input Wattage	1.12 W			
Efficacy	83.9 lm/W			
Driver Type	Constant Current | Remote			
Class	SELV | Class III			

ORDER CODE

Model	Type	Output	CCT	Beam Angle	Finish
ATTS *Atto S*	**SP** *Surface Plate* [1]	**SO** *Standard Output*	**27K** *2700K*	**NR** *Narrow 16°*	**WH** *White*
			30K *3000K*	**ME** *Medium 23°*	**BKA** *Black Anodised*
				WD *Wide 45°*	**AL** *Br. Aluminium*
				UW *Ultra Wide 90°*	**RBZ** *Rubbed Bronze*
					BR *Br. Brass*
					PB *Polished Brass*

Example code: ATTS-SP-SO-30K-NR-WH

[1] *SP type has both screw mount and through hole threaded stud with nut, if you require the removal of the threaded stud please enquire.*

See Drivers, Power Supplies and Accessories sections for further order codes

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LIGHT ENGINE SELECTION

This product is available with a single static white light engine option outlined below.

STANDARD OUTPUT

Our standard output light engines embody Precision's commitment to excellence, delivering high CRI, efficient performance, and clean, well-defined beams.

- High CRI
- Crisp clean beams

LIFETIME & ENVIRONMENTAL

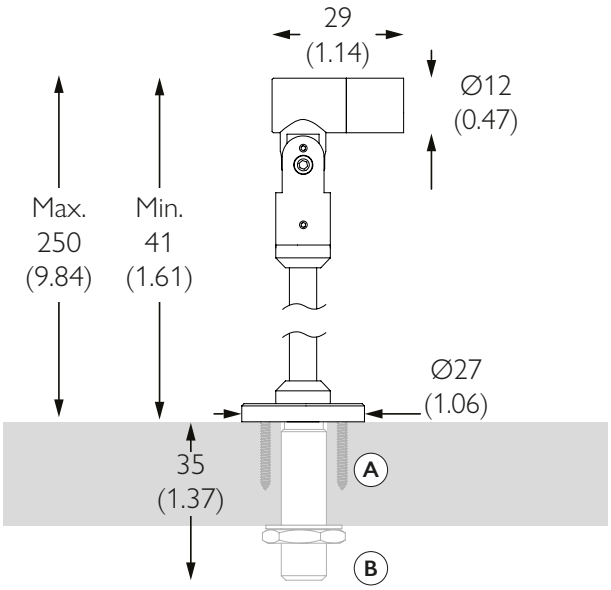
At Precision, we design and engineer our products with longevity in mind. Many of the components that make up our light fixtures are both modular and re-usable, making it possible to service and repair them throughout their life in service. Once our products reach the end of their useful life, it is possible to re-work and renew them in to a new product. We prioritise the use of recyclable materials in both our products and packaging, and encourage our customers to engage responsibly in the correct disposal of any materials we supply.

CIBSE TM65	7.04 Kg/CO2e
CIBSE TM66	2.4
RoHS Compliance	Yes
REACH Compliance	Yes
WEEE Compliance	Yes - Registered Producer
Declare	LBC Red List Approved
Lifetime	L90B10 100,000hrs
Warranty	5 Years

UK PART L	
Part L1A / L1B (Dwellings) *≥75 lm/W source lumens*	*Compliant 164 lm/W* *Source lm (184 lm) / Source W (1.12 W)*
Part L2A (General) *≥95lm/W delivered lumens*	-
Part L2A (Display) *≥80 lm/W source lumens*	*Compliant 164 lm/W* *Source lm (184 lm) / Source W (1.12 W)*

DIMENSIONS

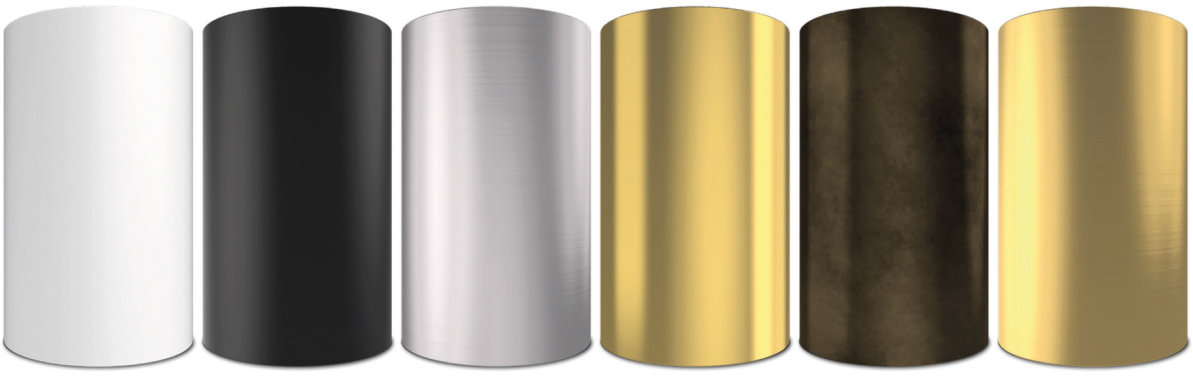
The threaded stud marked B can be removed on request.



MECHANICAL

Location	IP20 | Indoor Dry Location Only	**Cutout**	ø10mm (0.39") clearance hole
Mounting	M10 / Screw Fixing	**Ceiling Thickness**	30mm (1.18") max
Adjustability	360 Pan | 180 Tilt	**Product Class**	SELV | Class III
Lockable	Pan & Tilt	**Material**	Machined AL 6063-T6 | Machined Brass
Accessories	Snoots	**Weight**	43g | 0.09lb

FINISHES



White | Black | Brushed Aluminium | Polished Brass | Rubbed Bronze | Brushed Brass

ATTO S

DRIVERS & POWER SUPPLIES – UK, EU, MIDDLE EAST, ASIA, PACIFIC

STANDARD LIGHT ENGINE

20W | 0-10V | Remote | Constant Current

Input Voltage	230VAC | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	0-10V
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	All CCT's		L	W	H
Max. Lights	1 to 12 in series	**mm**	160	41	30
Order Code	PSCC-20-350-A-EL	**in**	6.3	1.61	1.18

20W | DALI-2 | Remote | Constant Current

Input Voltage	230VAC | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	DALI-2
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	All CCT's		L	W	H
Max. Lights	1 to 12 in series	**mm**	160	41	30
Order Code	PSCC-20-350-D-EL	**in**	6.3	1.61	1.18

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30W | 0-10V | Remote | Constant Current

Input Voltage	120-277V | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	0-10V
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	All CCT's		L	W	H
Max. Lights	1 to 16 in series	mm	348	65	47
Order Code	USCC-30-350-A-EL-ENC	in	13.7	2.56	1.85

30W | DALI-2 | Remote | Constant Current

Input Voltage	120-277V | 50/60 Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	DALI-2
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 36m (118') | 18 AWG 22m (72')



	All CCT's		L	W	H
Max. Lights	1 to 16 in series	mm	348	65	47
Order Code	USCC-30-350-D-EL-ENC	in	13.7	2.56	1.85

12W | Phase | Remote | Constant Current

Input Voltage	120V | 50/60Hz
Driver Type	Remote | Constant Current
Location	IP20 | Indoor Location Only
Dimming Control	Phase
Min. Dim Level	1.0%
Flicker	IEEE P1789 Compatible | No Observable Effect
Wiring Distance	16 AWG - 14m (46') | 18 AWG 9m (30')



	All CCT's		L	W	H
Max. Lights	3 to 10 in series	mm	247	65	47
Order Code	USCC-12-350-P-HT-ENC	in	9.72	2.56	1.85

ATTO S

PHOTOMETRY

STANDARD LIGHT ENGINE

OUTPUT SCALING

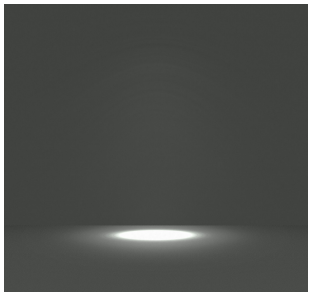
CCT	Output Multiplier	CRI	R9 Typ.	TM-30: Rf	TM-30: Rg	Max Lm
2400K	-	-	-	-	-	-
2700K	1.00	95	65	90	98	94
3000K	1.00	95	65	90	99	94
3500K	-	-	-	-	-	-
4000K	-	-	-	-	-	-

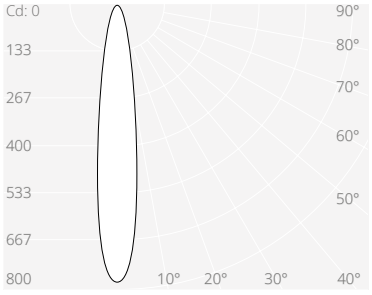
Colour Consistency: 3 SDCM

PHOTOMETRY

NARROW

FWHM	16°
Delivered Flux	94 lm
Peak Intensity	794 cd



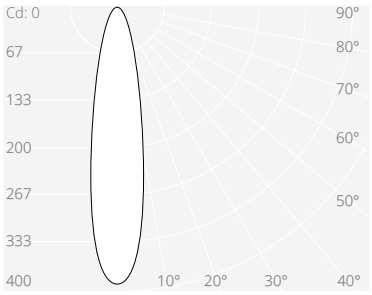


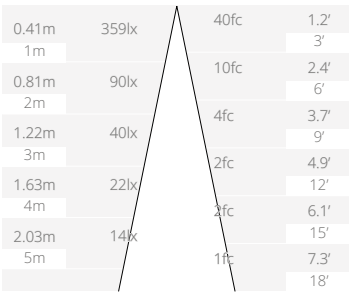


MEDIUM

FWHM	23°
Delivered Flux	92 lm
Peak Intensity	359 cd

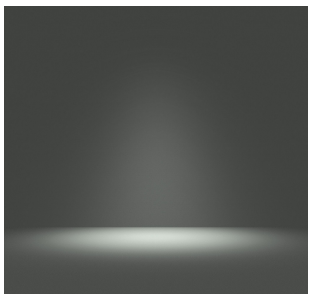


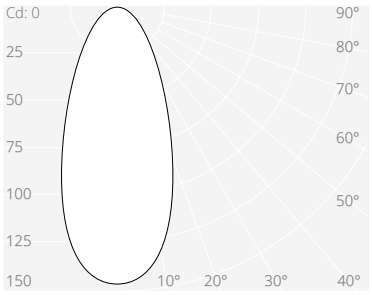


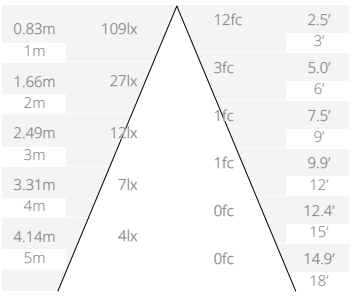


FLOOD

FWHM	45°
Delivered Flux	93 lm
Peak Intensity	109 cd

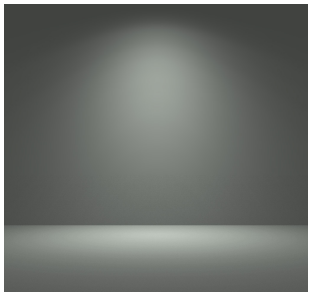


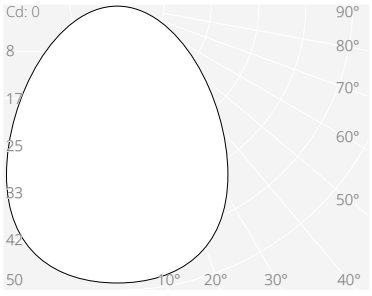


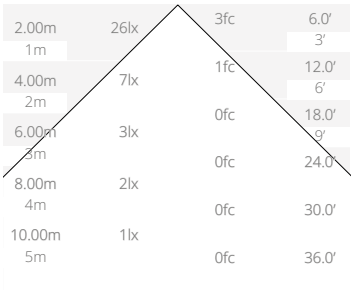


WIDE FLOOD

FWHM	90°
Delivered Flux	69 lm
Peak Intensity	26 cd







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OPTICS

There are 4 interchangeable optics

Optic	Optic	Optic	Optic
			
Narrow TIR Optic	**Medium TIR Optic**	**Wide TIR Optic**	**Ultra Wide TIR Optic**
FWHM 16 deg	FWHM 23 deg	FWHM 45 deg	FWHM 90 deg
Order Code	**Order Code**	**Order Code**	**Order Code**
760-16	**760-23**	**760-45**	**760-90**

ACCESSORIES

This product does not have a standard accessory holder, if required please contact us for modification opportunities.