



KEY FEATURES

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



OVERVIEW

Atto R is a Constant Current single source LED recessed spotlight that is machined from aerospace grade aluminium 6063-T6 and comes as standard in white, black and brushed aluminium. It has four site-changeable optics for flexible beam distribution and is fully adjustable with 360° pan and 30° 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	Trim	Output	CCT	Beam Angle	Finish
ATTR Atto R	RC Recessed	TR Trimmed	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: ATTR-RC-TR-SO-30K-NR-AL

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

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

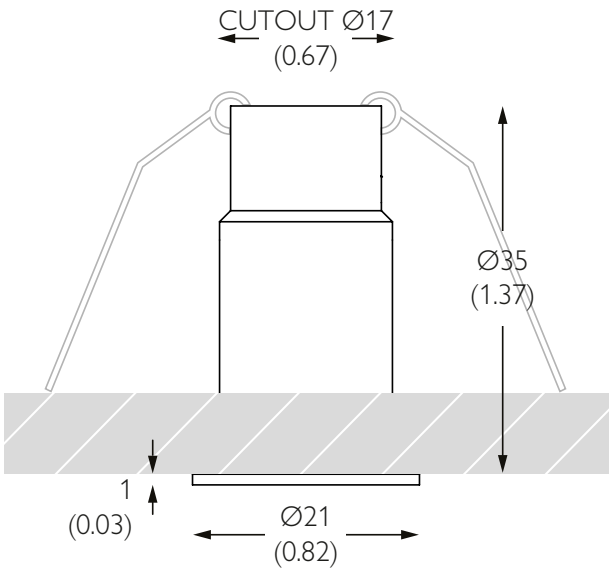
LIFETIME & ENVIRONMENTAL

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	6.19 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)	Compliant 164 lm/W ≥75 lm/W source lumens Source lm (184 lm) / Source W (1.12 W)
Part L2A (General)	- ≥95lm/W delivered lumens
Part L2A (Display)	Compliant 164 lm/W ≥80 lm/W source lumens Source lm (184 lm) / Source W (1.12 W)

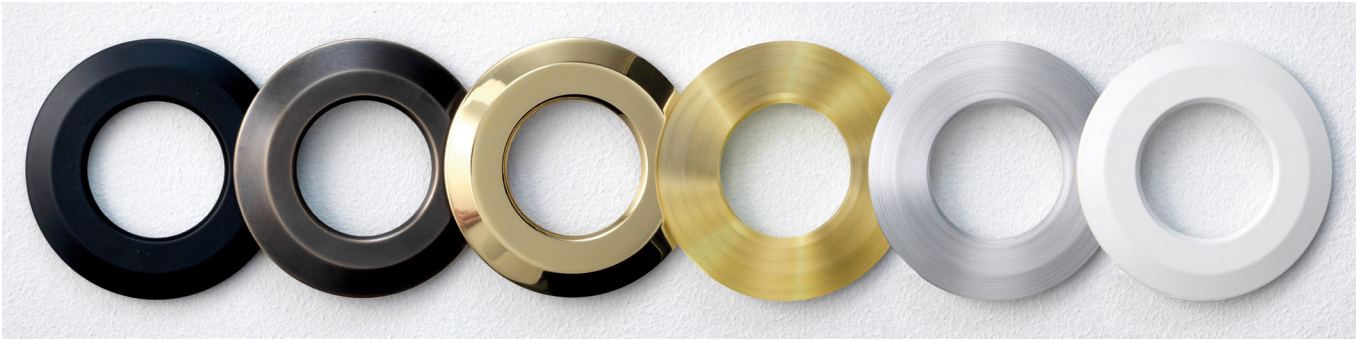
DIMENSIONS



MECHANICAL

Location	IP20 Indoor Dry Location Only	Cutout	ø17mm (0.67")
Mounting	Recessed	Ceiling Thickness	3-29mm (0.12-1.14")
Adjustability	N/A Pan N/A Tilt	Product Class	SELV Class III
Lockable	N/A	Material	Machined AL 6063-T6 Machined Brass
Accessories	N/A	Weight	14g 0.03lb

FINISHES



Black Rubbed Bronze Polished Brass Brushed Brass Brushed Aluminium White

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

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

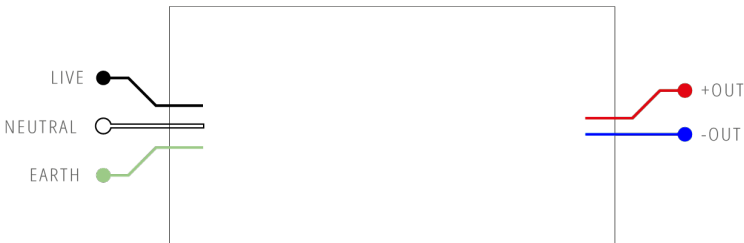
Input Voltage	120-277V 50/60 Hz
Driver Type	Remote Constant Current
Location	IP20 Indoor Location Only
Dimming Control	DALI-2
Min. Dim Level	0.1%
Flicker	IEEE P1789 Compatible No Observable Effect
Wiring Distance	16 AWG - 36m (118') 18 AWG 22m (72')



	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')



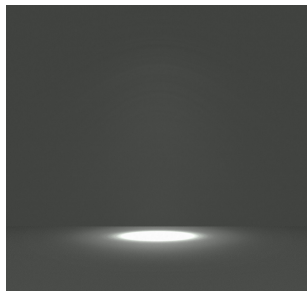
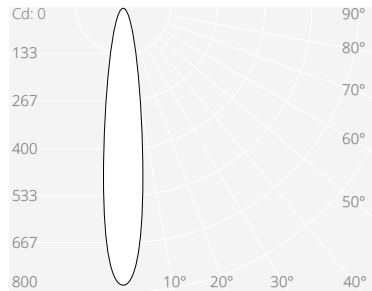
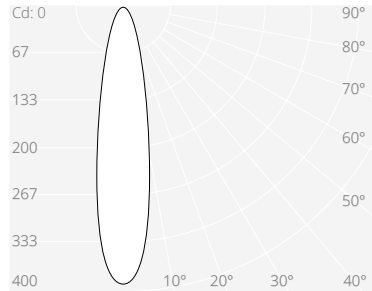
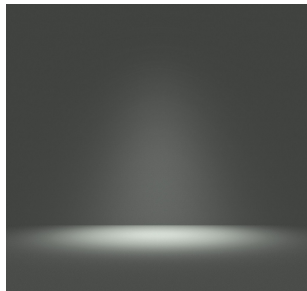
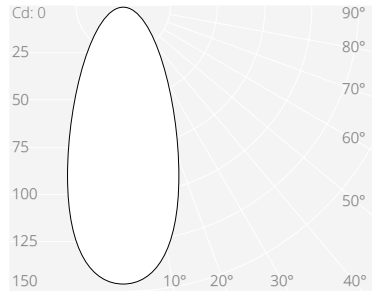
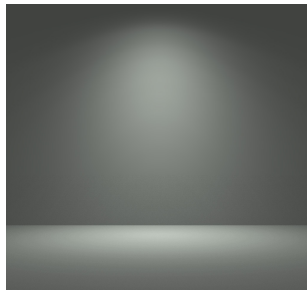
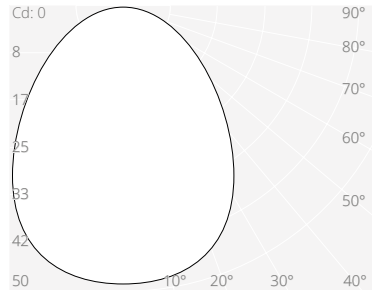
	All CCT's		L	W	H
Max. Lights	3 to 10 in series	mm	247	65	47
Order Code	USCC-12-350-P-HT-ENC	in	9.72	2.56	1.85

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				<table><tr><td>0.28m</td><td>794lx</td><td>88fc</td><td>0.8'</td></tr><tr><td>1m</td><td></td><td></td><td>3'</td></tr><tr><td>0.56m</td><td>199lx</td><td>22fc</td><td>1.7'</td></tr><tr><td>2m</td><td></td><td></td><td>6'</td></tr><tr><td>0.84m</td><td>88lx</td><td>10fc</td><td>2.5'</td></tr><tr><td>3m</td><td></td><td></td><td>9'</td></tr><tr><td>1.12m</td><td>50lx</td><td>6fc</td><td>3.4'</td></tr><tr><td>4m</td><td></td><td></td><td>12'</td></tr><tr><td>1.41m</td><td>32lx</td><td>4fc</td><td>4.2'</td></tr><tr><td>5m</td><td></td><td></td><td>15'</td></tr><tr><td></td><td></td><td>2fc</td><td>5.1'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.28m	794lx	88fc	0.8'	1m			3'	0.56m	199lx	22fc	1.7'	2m			6'	0.84m	88lx	10fc	2.5'	3m			9'	1.12m	50lx	6fc	3.4'	4m			12'	1.41m	32lx	4fc	4.2'	5m			15'			2fc	5.1'				18'
0.28m	794lx	88fc	0.8'																																																	
1m			3'																																																	
0.56m	199lx	22fc	1.7'																																																	
2m			6'																																																	
0.84m	88lx	10fc	2.5'																																																	
3m			9'																																																	
1.12m	50lx	6fc	3.4'																																																	
4m			12'																																																	
1.41m	32lx	4fc	4.2'																																																	
5m			15'																																																	
		2fc	5.1'																																																	
			18'																																																	
MEDIUM				<table><tr><td>0.41m</td><td>359lx</td><td>40fc</td><td>1.2'</td></tr><tr><td>1m</td><td></td><td></td><td>3'</td></tr><tr><td>0.81m</td><td>90lx</td><td>10fc</td><td>2.4'</td></tr><tr><td>2m</td><td></td><td></td><td>6'</td></tr><tr><td>1.22m</td><td>40lx</td><td>4fc</td><td>3.7'</td></tr><tr><td>3m</td><td></td><td></td><td>9'</td></tr><tr><td>1.63m</td><td>22lx</td><td>2fc</td><td>4.9'</td></tr><tr><td>4m</td><td></td><td></td><td>12'</td></tr><tr><td>2.03m</td><td>14lx</td><td>2fc</td><td>6.1'</td></tr><tr><td>5m</td><td></td><td></td><td>15'</td></tr><tr><td></td><td></td><td>1fc</td><td>7.3'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.41m	359lx	40fc	1.2'	1m			3'	0.81m	90lx	10fc	2.4'	2m			6'	1.22m	40lx	4fc	3.7'	3m			9'	1.63m	22lx	2fc	4.9'	4m			12'	2.03m	14lx	2fc	6.1'	5m			15'			1fc	7.3'				18'
0.41m	359lx	40fc	1.2'																																																	
1m			3'																																																	
0.81m	90lx	10fc	2.4'																																																	
2m			6'																																																	
1.22m	40lx	4fc	3.7'																																																	
3m			9'																																																	
1.63m	22lx	2fc	4.9'																																																	
4m			12'																																																	
2.03m	14lx	2fc	6.1'																																																	
5m			15'																																																	
		1fc	7.3'																																																	
			18'																																																	
FLOOD				<table><tr><td>0.83m</td><td>109lx</td><td>12fc</td><td>2.5'</td></tr><tr><td>1m</td><td></td><td></td><td>3'</td></tr><tr><td>1.66m</td><td>27lx</td><td>3fc</td><td>5.0'</td></tr><tr><td>2m</td><td></td><td></td><td>6'</td></tr><tr><td>2.49m</td><td>12lx</td><td>1fc</td><td>7.5'</td></tr><tr><td>3m</td><td></td><td></td><td>9'</td></tr><tr><td>3.31m</td><td>7lx</td><td>1fc</td><td>9.9'</td></tr><tr><td>4m</td><td></td><td></td><td>12'</td></tr><tr><td>4.14m</td><td>4lx</td><td>0fc</td><td>12.4'</td></tr><tr><td>5m</td><td></td><td></td><td>15'</td></tr><tr><td></td><td></td><td>0fc</td><td>14.9'</td></tr><tr><td></td><td></td><td></td><td>18'</td></tr></table>	0.83m	109lx	12fc	2.5'	1m			3'	1.66m	27lx	3fc	5.0'	2m			6'	2.49m	12lx	1fc	7.5'	3m			9'	3.31m	7lx	1fc	9.9'	4m			12'	4.14m	4lx	0fc	12.4'	5m			15'			0fc	14.9'				18'
0.83m	109lx	12fc	2.5'																																																	
1m			3'																																																	
1.66m	27lx	3fc	5.0'																																																	
2m			6'																																																	
2.49m	12lx	1fc	7.5'																																																	
3m			9'																																																	
3.31m	7lx	1fc	9.9'																																																	
4m			12'																																																	
4.14m	4lx	0fc	12.4'																																																	
5m			15'																																																	
		0fc	14.9'																																																	
			18'																																																	
WIDE FLOOD				<table><tr><td>2.00m</td><td>26lx</td><td>3fc</td><td>6.0'</td></tr><tr><td>1m</td><td></td><td></td><td>3'</td></tr><tr><td>4.00m</td><td>7lx</td><td>1fc</td><td>12.0'</td></tr><tr><td>2m</td><td></td><td></td><td>6'</td></tr><tr><td>6.00m</td><td>3lx</td><td>0fc</td><td>18.0'</td></tr><tr><td>3m</td><td></td><td></td><td>9'</td></tr><tr><td>8.00m</td><td>2lx</td><td>0fc</td><td>24.0'</td></tr><tr><td>4m</td><td></td><td></td><td>30.0'</td></tr><tr><td>10.00m</td><td>1lx</td><td>0fc</td><td>36.0'</td></tr><tr><td>5m</td><td></td><td></td><td></td></tr></table>	2.00m	26lx	3fc	6.0'	1m			3'	4.00m	7lx	1fc	12.0'	2m			6'	6.00m	3lx	0fc	18.0'	3m			9'	8.00m	2lx	0fc	24.0'	4m			30.0'	10.00m	1lx	0fc	36.0'	5m											
2.00m	26lx	3fc	6.0'																																																	
1m			3'																																																	
4.00m	7lx	1fc	12.0'																																																	
2m			6'																																																	
6.00m	3lx	0fc	18.0'																																																	
3m			9'																																																	
8.00m	2lx	0fc	24.0'																																																	
4m			30.0'																																																	
10.00m	1lx	0fc	36.0'																																																	
5m																																																				

OPTICS

There are 4 interchangeable optics

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

ACCESSORIES

This product can not accommodate accessories as standard, please contact us to enquire about modification opportunities.