100 PRO / 100 CLASSIC

23W / 17W LED MODULE

AVAILABLE OPTIONS

LED MODULE

SINGLE CCT

2700K 3000K 3500K 4000K 5000K ProART ProART98

12° 20° 35° 60°

DRIVER
DIMMING

DIMMABLE (ND) PHASE DIMMABLE (PH) 0-10V DIMMABLE (AN) DALI DIMMABLE (DA)

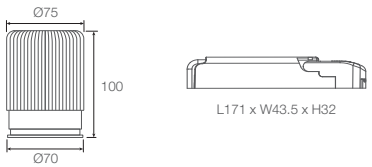
TECHNOLOGY AND FEATURES

ATePS
Advanced Thermal Protection System

ComfyEYE
Low Flicker, No Risk (IEEE 1789)

BEAM
Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



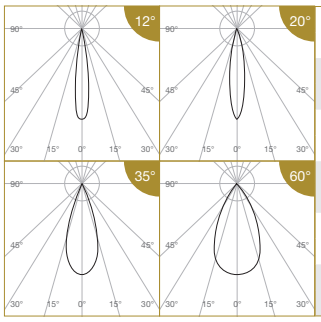
The information above is at nominal values accuracy of +/-7%. For the latest specifications please refer to the website.

SPECIFICATIONS

Family Type	100 Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	34V
Typical Operating Current	670mA (100 Pro), 500mA (100 Classic)
Colour	Black
Installation Compatibility	Compatible with ELR size-4 fixtures or most AR70 fittings, ELR size-6 fixtures or most AR111 fittings with optional mounting bracket.
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35°C), B10
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning

Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Screw terminals for convenient connection
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Ingress Protection	IP40 for 12° beam, IP54 for 20°/35°/60° beam (module only)
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
Weight	430g

100 PRO SINGLE CCT



Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	13858	10781	5612	2957
	Cone Ø (m)	0.27	0.40	0.67	1.02
2	E(0°)	3465	2695	1403	739
	Cone Ø (m)	0.54	0.81	1.34	2.05
3	E(0°)	1540	1198	624	329
	Cone Ø (m)	0.81	1.21	2.01	3.07
4	E(0°)	866	674	351	185
	Cone Ø (m)	1.08	1.61	2.68	4.09
5	E(0°)	554	431	224	118
	Cone Ø (m)	1.35	2.02	3.35	5.12

Correction Factor: 100C – f = 0.69

ELR LED Module				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3000K			
				12°	20°	35°	60°
100 Pro	23W	28W	High Efficiency CRI~85	3000	3000	3000	3000
			ProART CRI~95	2550	2550	2550	2550
			ProART98 CRI~98	2100	2100	2100	2100
100 Classic	17W	21W	High Efficiency CRI~85	2060	2060	2060	2060
			ProART CRI~95	1751	1751	1751	1751
			ProART98 CRI~98	1442	1442	1442	1442

Data are based on 3000K (ProART CRI~95). Nominal data of 2700K and 3500K are shared with 3000K.
Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
High Efficiency CRI~85 will have a nominal data value of 15% higher than published. (f = 1.17)
ProART98 CRI~98 will have a nominal data value of 8% lower than published. (f = 0.82)

Nominal CRI~85, equals to Ra>80~87, R9>0
Nominal CRI~95, equals to Ra>90~97, R9>50
Nominal CRI~98, equals to Ra>97~99, R9>93

ORDERING MATRIX CHART

LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
.____		.____		.____		.____		.____	
ELR100P	23W	**12**	12°	**27**	2700K	**HE**	Ra~85	**ND**	Non-Dim
ELR100C	17W	**20**	20°	**30**	3000K	**PA**	ProART	**PH**	Phase
		35	35°	**35**	3500K	**PP**	ProART98	**AN**	0-10V
		60	60°	**40**	4000K			**DA**	DALI
				50	5000K				

example: ELR100P.20.40.PA.DA