

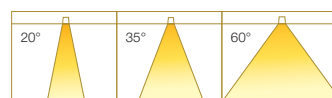
# 100 PRO HORTI

## 23W / 17W HORTICULTURE LED MODULE



### AVAILABLE OPTIONS

#### LED MODULE



#### DRIVER DIMMING



ND

PH

AN

DA

### TECHNOLOGY AND FEATURES



Advanced Thermal Protection System



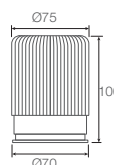
ComfyEYE

Low Flicker, No Risk (IEEE 1789)



Converging Optical Lens Maximising LOR

### DIMENSIONS (MM)



L171 x W43.5 x H32

**LED Module**

**SPECIFICATIONS**

Family Type	100 Series	Ingress Protection	IP54 for 20°/35°/60° beam (LED module only)
Typical Operating Voltage	34V	Weight	120g
Typical Operating Current	670mA (100 Pro 23W), 500mA (100 Pro 17W)	Dimming	Non-dim, phase (leading & trailing edge), 0-10V, DALI
LED Power	100 Pro 23W, 100 Pro 17W	Mains Connection	100mm 2x0.75mm <sup>2</sup> double insulated wires
System / Input Power	100 Pro 28W, 100 Pro 20.7W	Mains Voltage	220-240V, 50Hz
Colour	Black	Power Factor	>0.9
Materials	Aluminium, plastic	Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Compatibility	Compatible with ELR size-3 fixtures or most MR16 fittings, ELR size-4 fixtures or most AR70 fittings with optional mounting brackets.	Flammability Mark	F
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10	Safety Class	Class 2
Beam Angles	20°, 35°, 60°	Standards	IEC 62031, IEC 61347-2-13
Colour Temperatures	Horti spectrum	Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS
PPFD @ 1000(μmol/m <sup>2</sup> /s) lux	99.5		
SDCM	2 step MacAdam ellipse binning		

**100 PRO HORTI**

Height (m)		PPFD			ELR LED Module		PPF (μmol/s)			
		20°	35°	60°	Type	LED Power	System Power	Horti Spectrum		
1	PPFD(0°)	214.24	194.05	75.09	100 Pro HT	23W	28W	58	58	58
2	PPFD(0°)	107.12	97.02	37.55						
3	PPFD(0°)	53.56	48.51	18.77						
4	PPFD(0°)	26.78	24.26	9.39						
5	PPFD(0°)	13.39	12.13	4.69						

*Photosynthetic Photon Flux Density (PPFD) is the intensity of Photosynthetically Active Radiation (PAR) light. PAR are wavelengths of light within 400nm to 700nm that are critical for photosynthesis.*

**ORDERING MATRIX CHART**

LED Module						Driver									
LED Power		Beam Angle		Colour Temp		Type		Dimming		Output Power					
<b>ELR100P.23</b>	23W	<b>20</b>	20°	<b>HT</b>	Horti	<b>MP.DRA</b>	Modular Pro ATePS Driver	<b>ND</b>	Non-Dim	<b>23</b>	23W				
	17W	<b>35</b>	35°									<b>PH</b>	Phase	<b>17</b>	17W
		<b>60</b>	60°												
								<b>DA</b>	DALI						

example: ELR100P.23.20.HT

example: MP.DRA.DA.23

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.