

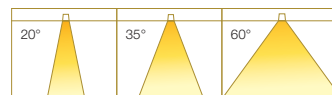
# 100 PLE HORTI

23W / 17W HORTICULTURE LED ENGINE



### AVAILABLE OPTIONS

#### LED MODULE



#### DRIVER DIMMING



### TECHNOLOGY AND FEATURES



Advanced Thermal Protection System

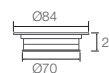


Low Flicker, No Risk (IEEE 1789)



Converging Optical Lens Maximising LOR

### DIMENSIONS (MM)

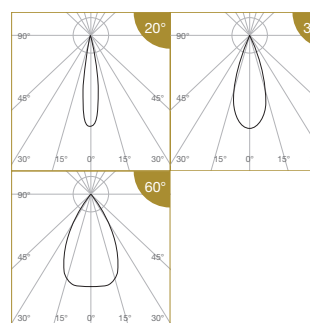


100PLE 12W: L151 x W43.5 x H32  
100PLE 23W/100PLE 17W: L171 x W43.5 x H32

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 PLE 23W), 500mA (100 PLE 17W)	Dimming	Non-dim, phase (leading & trailing edge), 0-10V, DALI
LED Power	100 PLE 23W, 100 PLE 17W	Mains Connection	100mm 2x0.75mm <sup>2</sup> double insulated wires
System / Input Power	100 PLE 28W, 100 PLE 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 PLE HORTI



Height (m)		PPFD			ELR LED Module			PPF (μmol/s)		
		20°	35°	60°	Type	LED Power	System Power	Horti Spectrum		
	PPFD(0°)						20°	35°	60°	
1	PPFD(0°)	214.24	194.05	75.09	100 PLE 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		17W	20.7W	43	43	43

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>ELR100PLE.23</b>	23W	20	20°	<b>HT</b>	Horti	<b>MP.DRA</b>	Modular Pro ATePS Driver	<b>ND</b>	Non-Dim	<b>23</b>	23W				
	17W	35	35°									<b>PH</b>	Phase	<b>17</b>	17W
		60	60°												
						<b>DA</b>	DALI								

example: ELR100PLE.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.