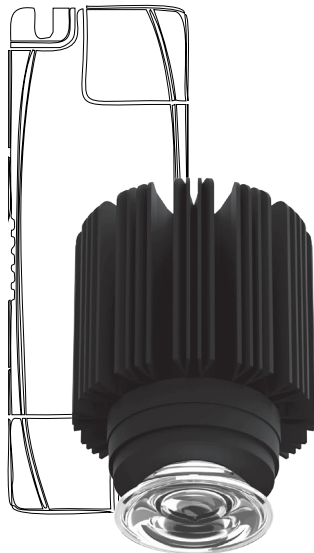


MS MODULE 4

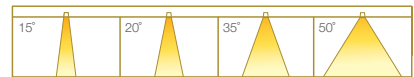
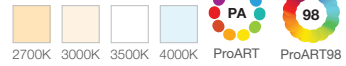
21W / 17W LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



TECHNOLOGY AND FEATURES

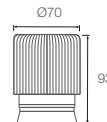


Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

DIMENSIONS (MM)



L116 x W41 x H26

SPECIFICATIONS

Family Type	MS MO 4 Series
Typical Operating Voltage	35V
Typical Operating Current	500mA (17W), 600mA (21W)
System / Input Power	26W, 21W
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR Modular Simplified size-4 fixtures
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	15°, 25°, 35°, 50°
Colour Temperatures	2700K, 3000K, 3500K, 4000K
CRI	ProART (CRI-95), ProART98 (CRI-98)
SDCM	3 step MacAdam ellipse binning

Ingress Protection	IP40 (LED module only)
Weight	300g (LED module only)
Dimming	Non-dim, phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Push-pin or screw terminals for convenient connection
Mains Voltage	220-240V, 50Hz
Power Factor	>0.9
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 2
Standards	IEC60598-1, IEC 61347-2-13
Regulatory Markings	CE, CCC, RoHS

MS MODULE 4 SINGLE CCT

ELR LED Module			Luminous Flux (lm)				
Type	LED Power	System Power	CRI	3000K			
				15°	20°	35°	50°
MS Module 4	21W	26W	ProART CRI-95	2120	2120	2120	2120
			ProART98 CRI-98	1746	1746	1746	1746
	17W	21W	ProART CRI-95	1720	1720	1720	1720
			ProART98 CRI-98	1416	1416	1416	1416

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K.
Higher CCT of 4000K will have a nominal data value of 5% higher than published. (f = 1.05)
ProART98 CRI-98 will have a nominal data value of 18% lower than published. (f = 0.82)
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							
LED Power		Beam Angle		Colour Temp		CRI	
MS.MO-4.21	21W	15	15°	27	2700K	PA	ProART
			20°				
MS.MO-4.17	17W	20	20°	30	3000K	PP	ProART98
			35°				
			50				

example: MS.MO-4.17.50.27.PA

Driver				
Type		Dimming		Output Power
MS.DRN	Modular Simplified Driver	ND	Non-Dim	21W 21W
			PH	Phase
		AN	0-10V	
			DA	DALI

example: MS.DRN.DA.17W

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