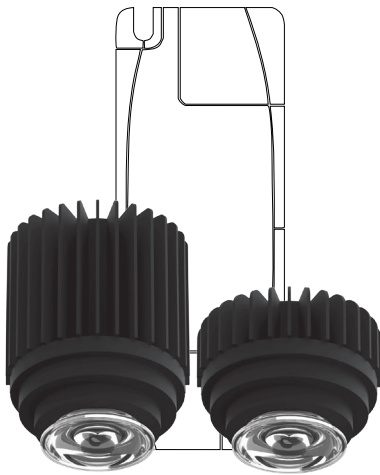


MS MODULE 3

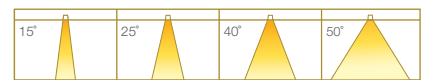
12W / 10W / 7W / 5W LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



TECHNOLOGY AND FEATURES



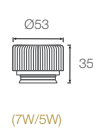
ComfyEYE

Low Flicker,
No Risk
(IEEE 1789)

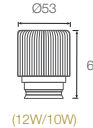


Converging Optical Lens
Maximising LOR

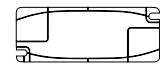
DIMENSIONS (MM)



(7W/5W)



(12W/10W)



L100 x W38.2 x H25

SPECIFICATIONS

Family Type	MS MO 3 Series
Typical Operating Voltage	35V
Typical Operating Current	350mA (12W), 300mA (10W), 200mA (7W), 150mA (5W)
System / Input Power	15W, 13W, 9W, 6.4W
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR Modular Simplified size-3 fixtures
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	15°, 25°, 40°, 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	200g (12W/10W LED module only), 120g (7W/5W 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 3 SINGLE CCT

ELR LED Module				Luminous Flux (lm)			
Type	LED Power	System Power	CRI	3000K			
				15°	25°	40°	50°
MS Module 3	12W	15W	ProART CRI-95	1200	1200	1200	1200
			ProART98 CRI-98	824	824	824	824
	10W	13W	ProART CRI-95	1000	1000	1000	1000
			ProART98 CRI-98	649	649	649	649
	7W	9W	ProART CRI-95	714	714	714	714
			ProART98 CRI-98	476	476	476	476
5W	6.4W	ProART CRI-95	545	545	545	545	
		ProART98 CRI-98	363	363	363	363	

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-3.12	12W	15°	15°	27	2700K	PA ProART
MS.MO-3.10	10W	25°	25°	30	3000K	PP ProART98*
MS.MO-3.7	7W	40°	40°	35	3500K	
MS.MO-3.5	5W	50°	50°	40	4000K	

Driver					
Type	Dimming		Output Power		
MS.DRN Modular Simplified Driver	ND	Non-Dim	12W	12W	
	PH	Phase	10W	10W	
	AN	0-10V	7W	7W	
	DA	DALI	5W	5W	

*ProART98 option is NOT available for 12W LED power.
 example: MS.MO-3.10.40.27.PA

example: MS.DRN.DA.10W
 Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.