

AQUILA

REDUCED GLARE SERIES

A series of downlight luminaires designed with a simplified modular concept. Made to be efficient and durable to suit mass deployment applications with demanding conditions, especially in commercial and hospitality sectors.



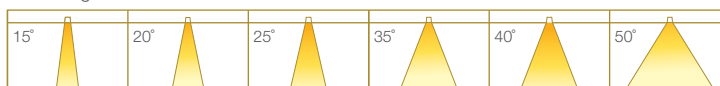
Fixture Features



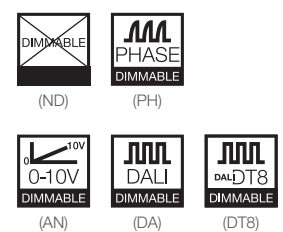
Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



AQUILA 2 REDUCED GLARE

RECESSED ROUND FIX / TILT DOWNLIGHT LUMINAIRE
9W / 7W



#ROUND
#NARROWTRIM



#ROUND
#TRIMLESS

TECHNOLOGY AND FEATURES

























Converging Optical Lens
Maximising LOR



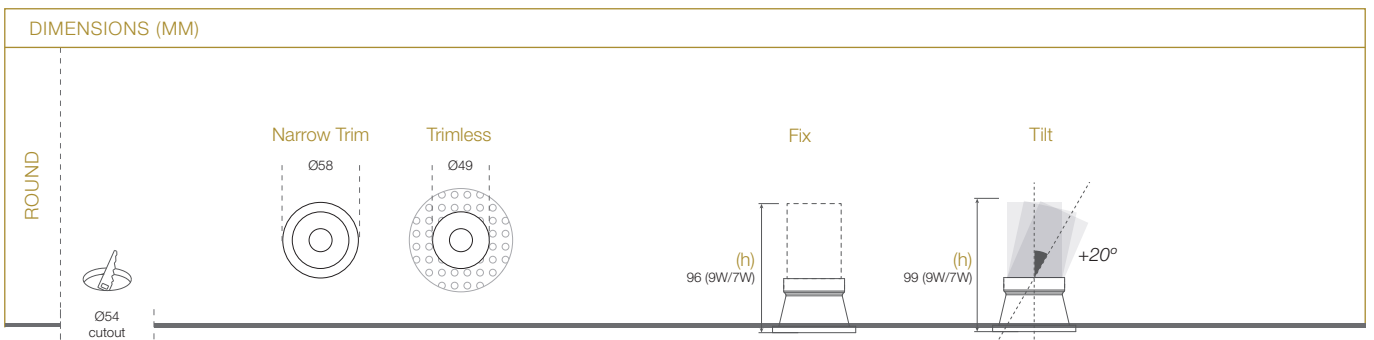
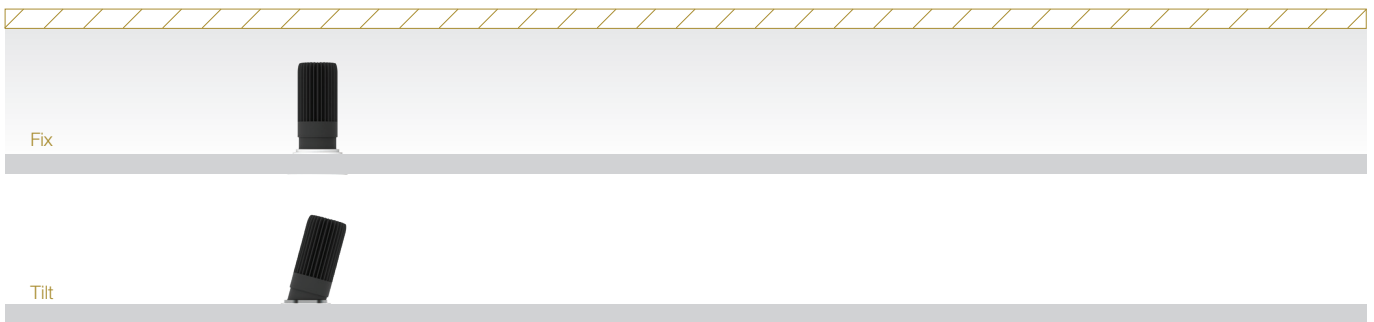
Ceiling
Safe

AVAILABLE OPTIONS

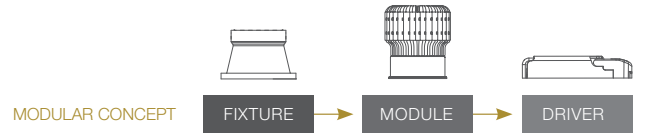
FIXTURE COLOUR OPTIONS	Trim Colour Options	Reflector Colour Options		
	MATT WHITE RAL9003 MATT BLACK RAL9011	MATT WHITE RAL9003	MATT BLACK RAL9011	CHROME
				
				
ACCESSORIES	  Honeycomb Anti-Glare Louvre Soft Lens			
LED MODULE	 MS MODULE 2			  
	SINGLE CCT     2700K 3000K 3500K 4000K	  ProART ProART98	MS MODULE 2	✓ ✓ ✓
DRIVER DIMMING	    (ND) (PH) (AN) (DA)			

AQUILA 2 REDUCED GLARE

#ROUND
#FIX
#TILT
#NARROWTRIM
#TRIMLESS



AQUILA 2 REDUCED GLARE



SPECIFICATIONS

FIXTURE	
Family Type	Aquila series
Fixture Colours	Matt white, matt black
Reflector Colours	Matt white, matt black, chrome, chrome black, titanium gold
Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens
Ingress Protection	IP54
Weight	50g
LED MODULE & DRIVER	
Family Type	MS MO 2 Series
Typical Operating Voltage	35V
Typical Operating Current	250mA (9W), 200mA (7W)
System / Input Power	11W, 9W
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR Modular Simplified size-2 fixtures
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10

Beam Angles	20°, 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	140g (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

PHOTOMETRICS

MS MODULE 2

Beam Diagrams		Height (m)	E _{max} (lx)			ELR LED Module				MS MO 2		
			20°	35°	50°	LED Power		System Power		9W	7W	
20°	35°	1	E(0°)	4134	2399	1335						
			Cone Ø (m)	0.41	0.64	0.87						
35°	50°	2	E(0°)	1034	600	334						
			Cone Ø (m)	0.82	1.28	1.73						
50°		3	E(0°)	459	267	148						
			Cone Ø (m)	1.23	1.93	2.60						
		4	E(0°)	258	150	83						
			Cone Ø (m)	1.64	2.57	3.46						
		5	E(0°)	165	96	53						
			Cone Ø (m)	2.05	3.21	4.33						
		Luminous Flux (lm)	Single CCT (3000K)	Type	Beam Angle	CRI						
						ProART CRI-95		864	672			
				ProART98 CRI-98		712	553					
				ProART CRI-95		855	665					
				ProART98 CRI-98		704	548					
				ProART CRI-95		846	658					
				ProART98 CRI-98		697	542					

Correction Factor: MS MO 2 9W - f = 1.00
MS MO 2 7W - f = 0.78

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

AQUILA 2 REDUCED GLARE

FIXTURE & ACCESSORIES ORDERING MATRIX CHART

Fixture										
Type	Trim Options		Shape		Angle		Colour		Reflector Colour	
AQUILA-2RG	NT	Narrow Trim	RD	Round	FX	Fix	WH	Matt White	WH	Matt White
	X	Trimless			TL	Tilt	MB	Matt Black	MB	Matt Black
									CR	Chrome
									CB	Chrome Black
									TG	Titanium Gold

example: AQUILA-2RG.NT.RD.TL.WH.CR

Accessories		
Type	Accessory	Fixture Size
MPACC		-2
AGL	Anti-Glare Louvre	
SL	Soft Lens	

example: MS.ACC.AGL-2

COMPATIBLE LED MODULES & DRIVERS ORDERING MATRIX CHART

LED Module							
LED Power		Beam Angle		Colour Temp		CRI	
MS.MO-2.9	9W	20	20°	27	2700K	PA	ProART
		35	35°	30	3000K	PP	ProART98
MS.MO-2.7	7W	50	50°	35	3500K		
				40	4000K		

example: MS.MO-2.9.20.27.PA.DA

Driver					
Type		Dimming		Output Power	
MS.DRN	Modular Simplified Driver	ND	Non-Dim	9W	9W
		PH	Phase	7W	7W
		AN	0-10V		
		DA	DALI		

example: MS.DRN.DA.9W

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