

Reduced Glare

AQUILA ALPHA

REDUCED GLARE SERIES

An expansion to the Aquila downlight series that is designed with a simplified modular concept but is more versatile. Made to be efficient and durable to suit mass deployment applications with demanding conditions, especially in commercial and hospitality sectors.



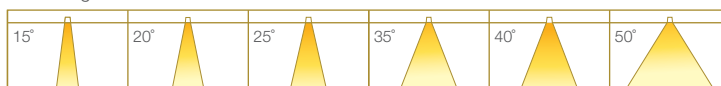
Fixture Features



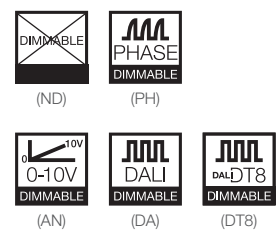
Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



AQUILA ALPHA 4 REDUCED GLARE

RECESSED ROUND FIX / TILT DOWNLIGHT LUMINAIRE
21W / 17W



#ROUND
#FIX
#NARROWTRIM



#ROUND
#TILT
#NARROWTRIM



#ROUND
#FIX
#TRIMLESS



#ROUND
#TILT
#TRIMLESS

TECHNOLOGY AND FEATURES



Converging Optical Lens
Maximising LOR



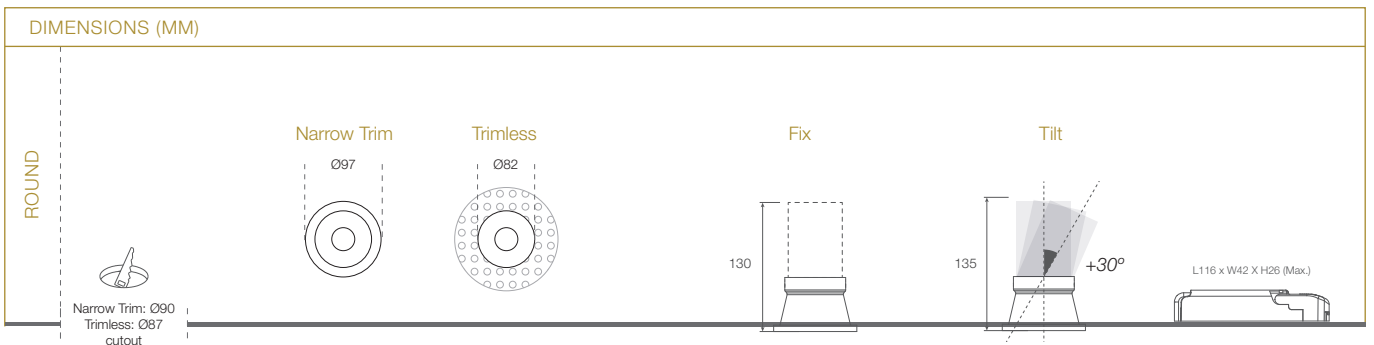
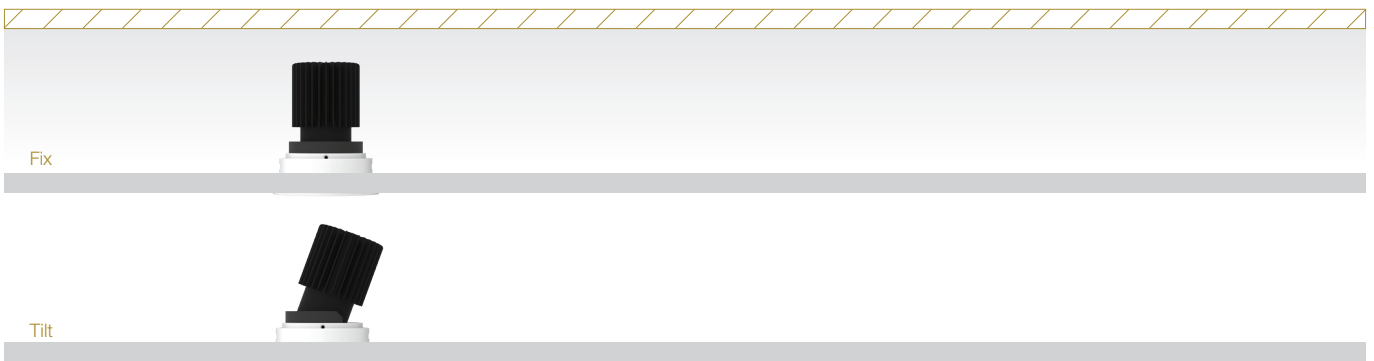
Ceiling
Safe

AVAILABLE OPTIONS

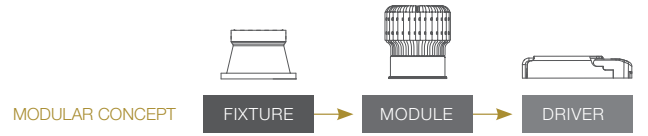
FIXTURE COLOUR OPTIONS	Trim Colour Options	Reflector Colour Options							
	MATT WHITE RAL9003 MATT BLACK RAL9011	MATT WHITE RAL9003	MATT BLACK RAL9011	CHROME	CHROME BLACK	TITANIUM GOLD			
ACCESSORIES	<p>Honeycomb Anti-Glare Louvre Soft Lens</p>								
LED MODULE	<p>MS MODULE 4</p>								
	SINGLE CCT <p>2700K 3000K 3500K 4000K</p>		<p>ProART ProART98</p>		MS MODULE 4	✓	✓	✓	✓
DRIVER DIMMING	<p>(ND) (PH) (AN) (DA) (DT8)</p>								

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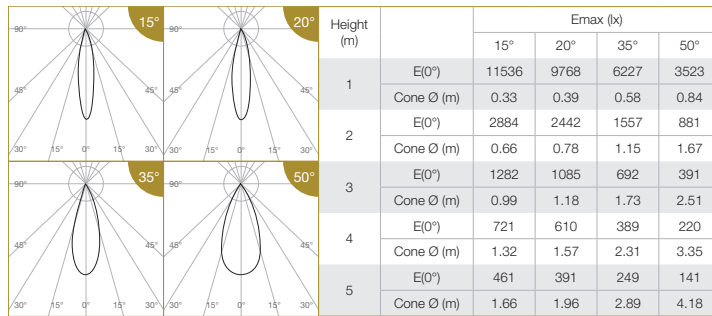
SPECIFICATIONS

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	220g
LED MODULE & DRIVER	
Family Type	MS MO 4 Series
Typical Operating Voltage	35V
Typical Operating Current	600mA (21W), 500mA (17W)
System / Input Power	26W, 21W
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°, 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

PHOTOMETRICS

MS MODULE 4



Correction Factor: MS MO 4 21W - f = 1.00
MS MO 4 17W - f = 0.81

ELR LED Module				MS MO 4	
LED Power				21W	17W
System Power				26W	21W
Luminous Flux (lm)	Type	Beam Angle	CRI		
			Single CCT (3000K)	15°	ProART CRI-95
	ProART98 CRI-98	1608			1302
	20°	ProART CRI-95		1974	1598
		ProART98 CRI-98		1626	1316
	35°	ProART CRI-95		1995	1615
		ProART98 CRI-98		1643	1330
	50°	ProART CRI-95	2016	1632	
		ProART98 CRI-98	1660	1344	

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

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FIXTURE & ACCESSORIES ORDERING MATRIX CHART

Fixture						Accessories								
Type	Trim Options		Shape		Angle		Colour		Reflector Colour	Type	Accessory	Fixture Size		
AQUILA-ALPHA-4RG	_____		_____		_____		_____		_____	MP.ACC	_____	-4		
	NT	Narrow Trim	RD	Round	FX	Fix	WH	Matt White	WH		Matt White		AGL	Anti-Glare Louvre
	X	Trimless			TL	Tilt	MB	Matt Black	MB		Matt Black		SL	Soft Lens
									CR		Chrome			
									CB		Chrome Black			
									TG		Titanium Gold			
										<i>example: MS.ACC.AGL-4</i>				

example: AQUILA-ALPHA-4RG.NT.RD.TL.WH.CR

COMPATIBLE LED MODULES & DRIVERS ORDERING MATRIX CHART

LED Module				Driver																									
LED Power		Beam Angle		Colour Temp		CRI		Type		Dimming		Output Power																	
MS.MO-4.21	21W	15	15°	27	2700K	PA	ProART	MS.DRN	Modular Simplified Driver	ND	Non-Dim	21W	21W																
		20	20°											30	3000K	PP	ProART98	PH	Phase	17W	17W								
MS.MO-4.17	17W	35	35°	35	3500K							AN	0-10V																
		50	50°																					40	4000K				

example: MS.MO-4.17.50.27.PA

example: MS.DRN.DA.17W

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