

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.



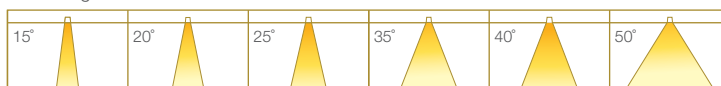
### Fixture Features



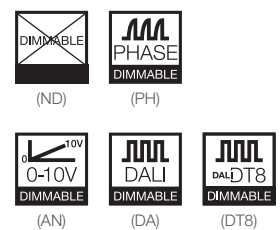
### Module Colour Temperature Variation



### 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



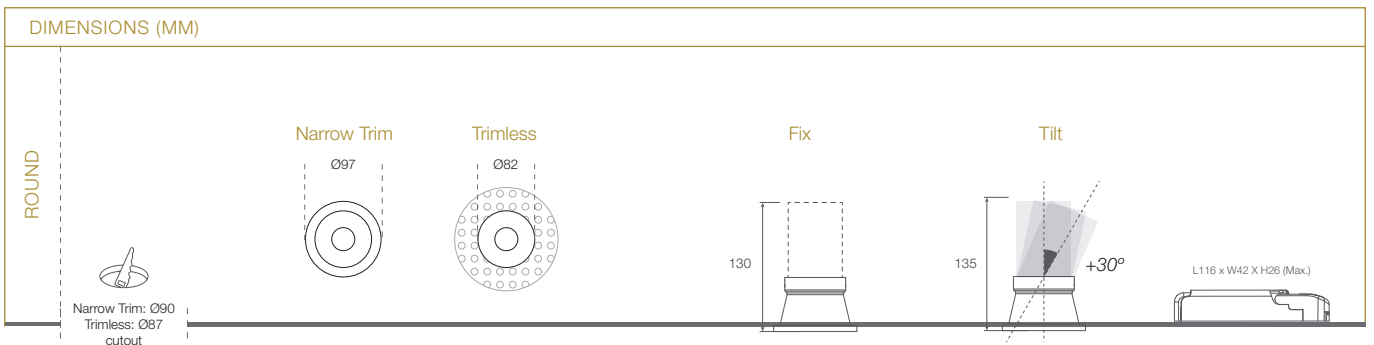
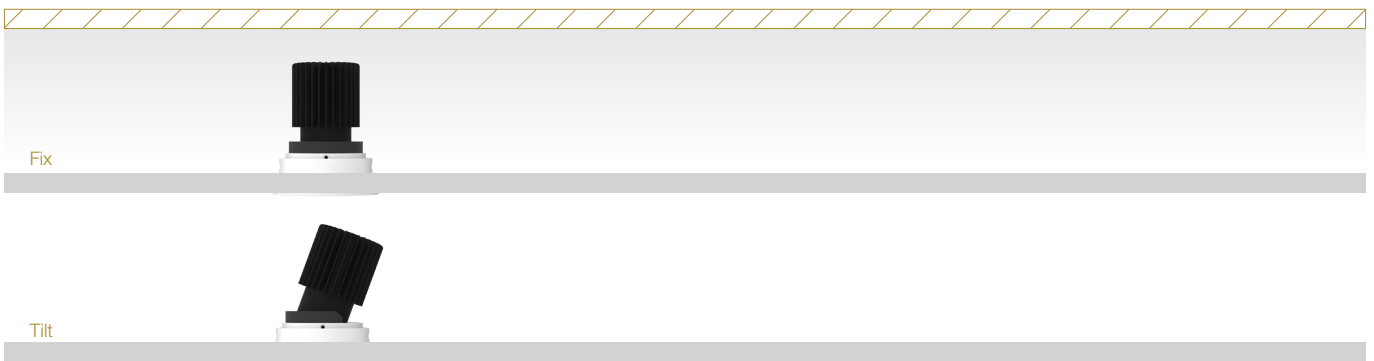
Ceiling  
Safe

AVAILABLE OPTIONS

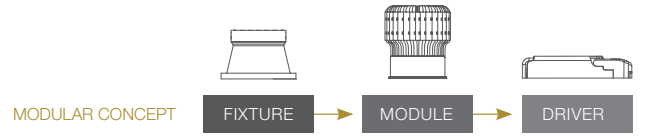
<b>FIXTURE COLOUR OPTIONS</b>	<b>Trim Colour Options</b>	<b>Reflector Colour Options</b>				
	MATT WHITE RAL9003 MATT BLACK RAL9011	MATT WHITE RAL9003	MATT BLACK RAL9011	CHROME	CHROME BLACK	TITANIUM GOLD
<b>ACCESSORIES</b>	<p>Honeycomb Anti-Glare Louvre    Soft Lens</p>					
<b>LED MODULE</b>	<p>MS MODULE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

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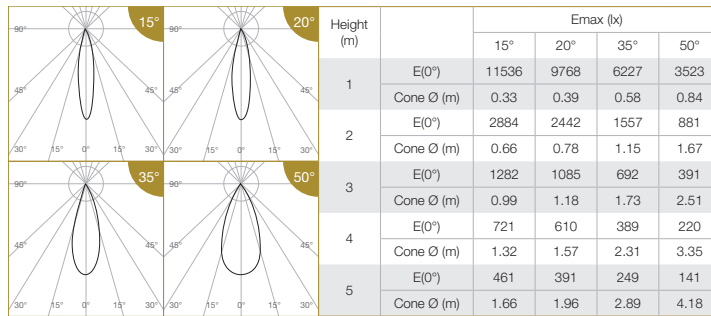
## SPECIFICATIONS

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 3	
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
	ProART CRI-95	1974			1598
	20°	ProART98 CRI-98		1626	1316
		ProART CRI-95		1995	1615
		ProART98 CRI-98		1643	1330
	35°	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		
<b>AQUILA-ALPHA-4RG</b>	_____		_____		_____		_____		_____	<b>MP.ACC</b>	_____	<b>-4</b>		
	<b>NT</b>	Narrow Trim	<b>RD</b>	Round	<b>FX</b>	Fix	<b>WH</b>	Matt White	<b>WH</b>		Matt White		<b>AGL</b>	Anti-Glare Louvre
	<b>X</b>	Trimless			<b>TL</b>	Tilt	<b>MB</b>	Matt Black	<b>MB</b>		Matt Black		<b>SL</b>	Soft Lens
									<b>CR</b>		Chrome			
									<b>CB</b>		Chrome Black			
									<b>TG</b>		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																			
<b>MS.MO-4.21</b>	21W	<b>15</b>	15°	<b>27</b>	2700K	<b>PA</b>	ProART	<b>MS.DRN</b>	Modular Simplified Driver	<b>ND</b>	Non-Dim	<b>21W</b>	21W																		
		<b>20</b>	20°											<b>30</b>	3000K	<b>PP</b>	ProART98	<b>PH</b>	Phase	<b>17W</b>	17W										
<b>MS.MO-4.17</b>	17W	<b>35</b>	35°	<b>35</b>	3500K							<b>AN</b>	0-10V																		
		<b>50</b>	40°																					<b>40</b>	4000K			<b>DA</b>	DALI		

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.