

Reduced Glare

# AQUILA ALPHA

## DOWNLIGHT SERIES

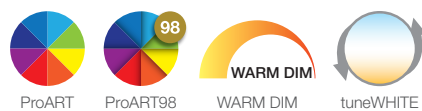
An expansion to the Aquila downlight series that is designed with a simplified modular concept but is more versatile. Made to be efficient and durable to suit mass deployment applications with demanding conditions, especially in commercial and hospitality sectors.



### Fixture Features



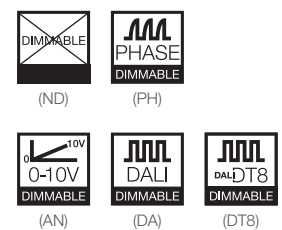
### Module Colour Temperature Variation



### Beam Angle



### Driver Dimming Variation



# AQUILA ALPHA 3 WARM DIM

RECESSED ROUND FIX / TILT DIM-TO-WARM  
DOWNLIGHT LUMINAIRE 12W / 10W



#ROUND  
#TRIM



#ROUND  
#NARROWTRIM



#ROUND  
#TRIMLESS

## TECHNOLOGY AND FEATURES



Converging Optical Lens  
Maximising LOR



Ceiling  
Safe

AVAILABLE OPTIONS

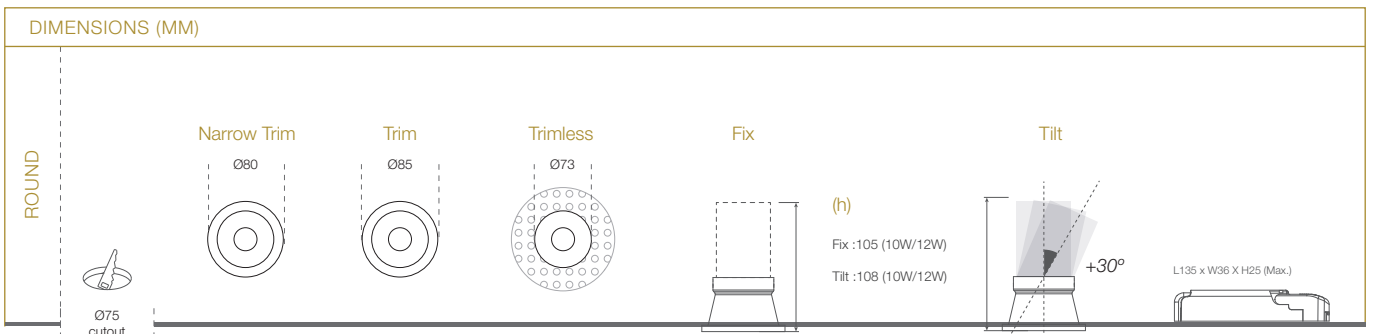
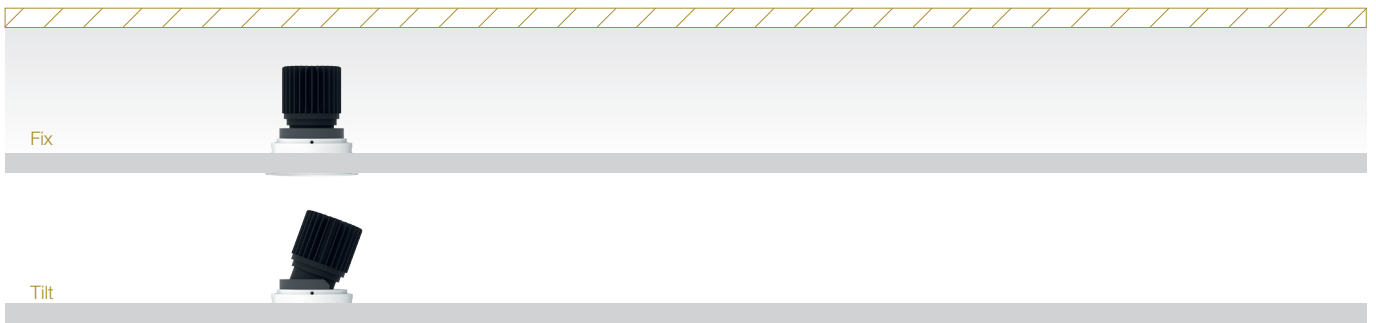
<b>FIXTURE COLOUR OPTIONS</b>	Trim Colour Options	Reflector Colour Options														
		MATT WHITE RAL9003	MATT BLACK RAL9011	CHROME	CHROME BLACK	TITANIUM GOLD										
	MATT WHITE RAL9003															
	MATT BLACK RAL9011															
<b>ACCESSORIES</b>	Honeycomb Anti-Glare Louvre Soft Lens															
<b>LED MODULE</b>	WARM DIM  3100K 1800K ProART WARM DIM		 15° 25° 40° 50°			 <table border="1"> <thead> <tr> <th>Light Output</th> <th>CCT</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>3100K</td> </tr> <tr> <td>50%</td> <td>2600K</td> </tr> <tr> <td>20%</td> <td>1900K</td> </tr> <tr> <td>1%</td> <td>1800K</td> </tr> </tbody> </table>	Light Output	CCT	100%	3100K	50%	2600K	20%	1900K	1%	1800K
Light Output	CCT															
100%	3100K															
50%	2600K															
20%	1900K															
1%	1800K															
<b>DRIVER DIMMING</b>	(PH) (AN) (DA)															

# AQUILA ALPHA 3 WD

#ROUND  
#FIX  
#TILT  
#TRIM  
#TRIMLESS  
#NARROWTRIM

## SPECIFICATIONS

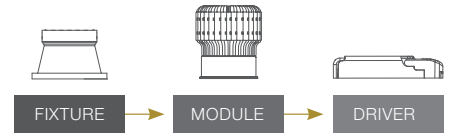
Family Type	Aquila Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	35V
Typical Operating Current	350mA (12W), 300mA (10W)
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10
Beam Angles	15°, 25°, 40°, 50°
Colour Temperatures	Warm Dim (3100K - 1800K)
CRI	ProART (CRI-95)
SDCM	3 steps MacAdam ellipse binning
Driver (Dimming)	Phase (leading & trailing edge), 0-10V, DALI
Mains Connection	Push-pin or screw terminals for convenient connection
Materials	Aluminium, plastic
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Ingress Protection	IP54
Safety Class	Class 2
Standards	IEC 60598-1, IEC 61347-2-13
Regulatory Markings	CE, CCC, RoHS



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# AQUILA ALPHA 3 WD

MODULAR CONCEPT



## PHOTOMETRICS

### AQUILA ALPHA 3 WARM DIM

Height (m)		E <sub>max</sub> (lx)				AQUILA ALPHA 3 WD			Luminous Flux (lm)			
		15°	25°	40°	50°	LED Power	System Power	CRI	3100K			
1	E(0°)	3002	2626	1879	1017	12W	15W	ProART CRI-95	15°	25°	40°	50°
	Cone Ø (m)	0.40	0.50	0.69	1.02				720	780	792	804
2	E(0°)	751	656	470	254	10W	13W	ProART CRI-95	15°	25°	40°	50°
	Cone Ø (m)	0.79	1.00	1.39	2.04				640	690	700	710
3	E(0°)	334	292	209	113	<i>Data are based on maximum output at 3100K.</i>						
	Cone Ø (m)	1.19	1.51	2.08	3.06	<i>Nominal CRI-95, equals to Ra&gt;90-97, R9&gt;50</i>						
4	E(0°)	188	164	117	64							
	Cone Ø (m)	1.58	2.01	2.77	4.08							
5	E(0°)	120	105	75	41							
	Cone Ø (m)	1.98	2.51	3.46	5.10							

Correction Factor: AQUILA ALPHA 3 WD 12W - f = 1.00  
AQUILA ALPHA 3 WD 10W - f = 0.88

## ORDERING MATRIX CHART

Fixture												
Type	Trim Options		Shape		Angle		Colour		Reflector Colour		Accessories	
<b>AQUILA-ALPHA-3</b>	<b>T</b>	Trim	<b>RD</b>	Round	<b>FX</b>	Fix	<b>WH</b>	Matt White	<b>WH</b>	Matt White	<b>N</b>	None
	<b>NT</b>	Narrow Trim			<b>TL</b>	Tilt	<b>MB</b>	Matt Black	<b>MB</b>	Matt Black	<b>AGL</b>	Anti-Glare Louvre
	<b>X</b>	Trimless							<b>CR</b>	Chrome	<b>SL</b>	Soft Lens
									<b>CB</b>	Chrome Black		
									<b>TG</b>	Titanium Gold		

Warm Dim LED Module								Driver			
LED Power		Beam Angle		Colour Temp		CRI		Dimming			
<b>12</b>	12W	<b>15</b>	15°	<b>WD</b>	Warm Dim	<b>PA</b>	ProART	<b>PH</b>	Phase		
			<b>25</b>						25°	<b>AN</b>	0-10V
			<b>40</b>						40°	<b>DA</b>	DALI
			<b>50</b>						50°		

example: AQUILA-ALPHA-3.T.RD.TL.WH.CR.N.12.40.WD.PA.DA