

AQUILA PINHOLE

DOWNLIGHT SERIES

A series of pinhole 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.



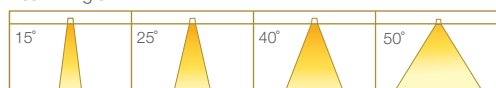
Fixture Features



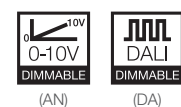
Module Colour Temperature Variation



Beam Angle

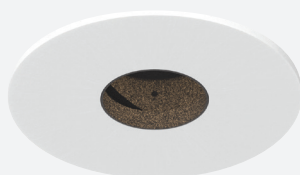


Driver Dimming Variation

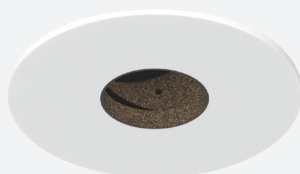


AQUILA PINHOLE 3

RECESSED ROUND TILT DOWNLIGHT LUMINAIRE
12W / 10W / 7W / 5W



#ROUND
#TRIM
#FIX



#ROUND
#TRIM
#TILT











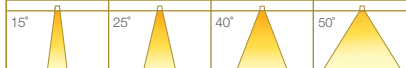




TECHNOLOGY AND FEATURES



Converging Optical Lens
Maximising LOR



Ceiling
Safe

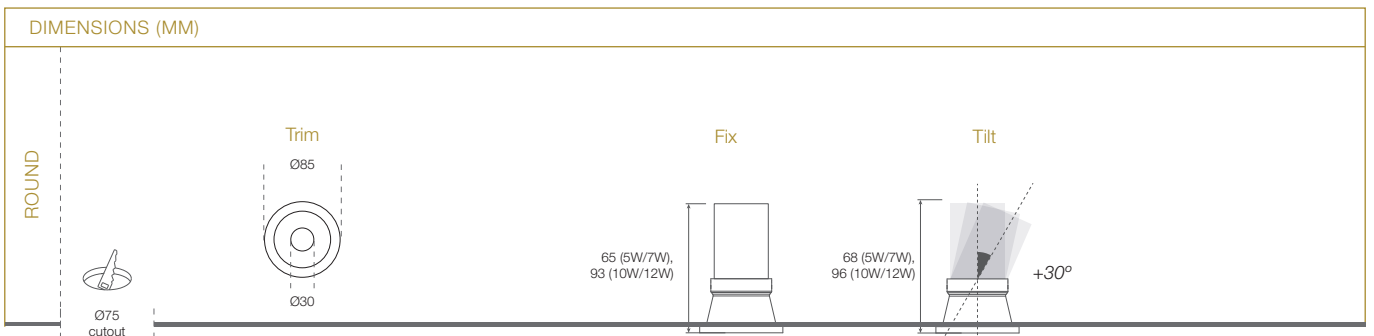
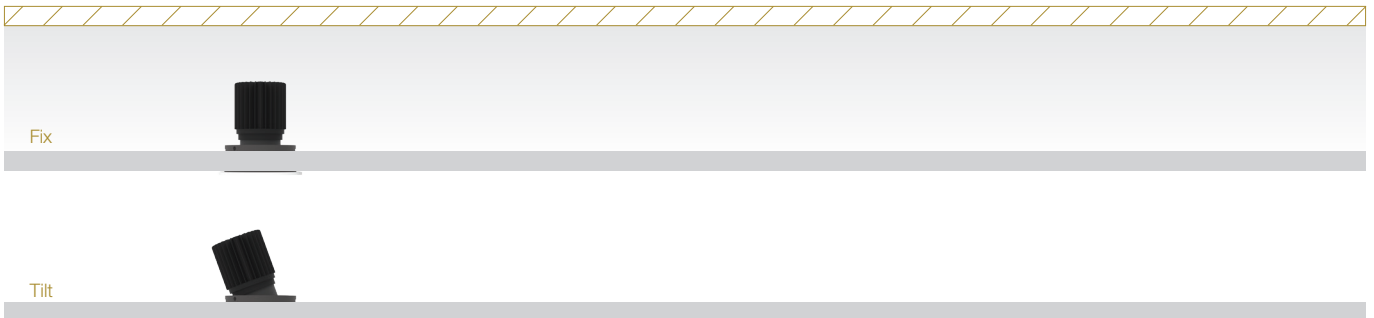
AVAILABLE OPTIONS	
FIXTURE COLOUR OPTIONS	Trim Colour Options
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>MATT WHITE RAL9003</p>  </div> <div style="text-align: center;"> <p>MATT BLACK RAL9011</p>  </div> </div>
ACCESSORIES	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Honeycomb Anti-Glare Louvre</p> </div> <div style="text-align: center;">  <p>Soft Lens</p> </div> </div>
	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 40%;"> <p>SINGLE CCT</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>2700K</p> </div> <div style="text-align: center;">  <p>3000K</p> </div> <div style="text-align: center;">  <p>3500K</p> </div> <div style="text-align: center;">  <p>4000K</p> </div> <div style="text-align: center;">  <p>ProART</p> </div> <div style="text-align: center;">  <p>ProART98 <small>(Not available for 12V)</small></p> </div> </div> </div> <div style="width: 55%;">  </div> </div>
DRIVER DIMMING	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(ND)</p> </div> <div style="text-align: center;">  <p>(PH)</p> </div> <div style="text-align: center;">  <p>(AN)</p> </div> <div style="text-align: center;">  <p>(DA)</p> </div> </div>

AQUILA PINHOLE 3

#ROUND
#FIX
#TILT

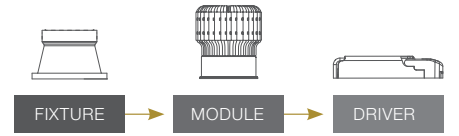
SPECIFICATIONS

Family Type	Aquila Series
Mains Voltage	220-240V, 50Hz
Typical Operating Voltage	35V
Typical Operating Current	350mA (12W), 300mA (10W), 200mA (7W), 150mA (5W)
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 steps MacAdam ellipse binning
Driver (Dimming)	Non-dim, 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



AQUILA PINHOLE 3

MODULAR CONCEPT



PHOTOMETRICS

AQUILA PINHOLE 3

Height (m)	E(0°)	E _{max} (lx)				AQUILA PINHOLE 3			Luminous Flux (lm)			
		15°	25°	40°	50°	LED Power	System Power	CRI	3000K			
		Cone Ø (m)	0.40	0.49	0.67				0.98	15°	25°	40°
1	E(0°)	4353	3827	2638	1413	12W	15W	ProART CRI-95	1044	1056	1092	1092
	Cone Ø (m)	0.40	0.49	0.67	0.98				870	880	910	910
2	E(0°)	1088	957	659	353	10W	13W	ProART98 CRI-98	716	725	749	749
	Cone Ø (m)	0.79	0.99	1.35	1.95				623	630	651	651
3	E(0°)	484	425	293	157	7W	9W	ProART98 CRI-98	513	519	536	536
	Cone Ø (m)	1.19	1.48	2.02	2.93				480	485	500	500
4	E(0°)	272	239	165	88	5W	6.4W	ProART98 CRI-98	395	399	412	412
	Cone Ø (m)	1.58	1.98	2.69	3.90				480	485	500	500
5	E(0°)	174	153	106	57	5W	6.4W	ProART98 CRI-98	395	399	412	412
	Cone Ø (m)	1.98	2.47	3.37	4.88				480	485	500	500

Correction Factor: AQUILA PINHOLE 3 12W - f = 1.00
 AQUILA PINHOLE 3 10W - f = 0.83
 AQUILA PINHOLE 3 7W - f = 0.60
 AQUILA PINHOLE 3 5W - f = 0.46

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

Type	Trim Options		Shape		Angle		Colour		Accessories	
	T	Trim	RD	Round	FX	Fix	WH	Matt White	N	None
AQUILA-PINHOLE-3					TL	Tilt	MB	Matt Black	AGL	Anti-Glare Louvre
									SL	Soft Lens

Single CCT LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
12	12W	15	15°	27	2700K	PA	ProART	ND	Non-Dim
10	10W	25	25°	30	3000K	PP	ProART98*	PH	Phase
7	7W	40	40°	35	3500K			AN	1-10V
5	5W	50	50°	40	4000K			DA	DALI

*ProART98 option is NOT available for 12W LED power.
 example: AQUILA-PINHOLE-3.T.RD.TL.WH.N.12.15.30.PA.DA