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Avalon
Flood Lights

IP66 CRI >90

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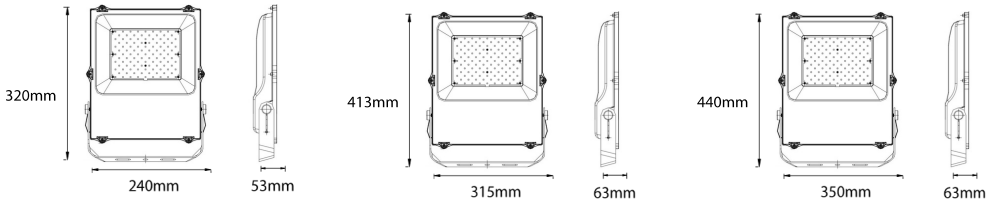

Product Specifications

Product Name:	Avalon.240	Avalon.315	Avalon.350
Power:	50W	100W	150W
Total luminous flux:	6750lm	13500lm	20250lm
Beam Angle:	30°,60°,90°,T2,T3	30°,60°,90°,T2,T3	30°,60°,90°,T2,T3
Dimension (WxLxH)	240x320x53mm	315x413x63mm	350x440x63mm

General Specifications

Fixture Material:	Die Casting Aluminium
Finish:	Black
Glass:	4mm Toughened Glass
Mounting:	Surface,Pole
LED Type:	SMD
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200,2700K, 3000K, 4000K, 6000K
Colour Rendering Index:	>80
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	24VDC, 220-240VAC 50-60Hz
Control Options:	Non Dim, DALI, Phase Dim
Protection Class:	Class I, Class III
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP66
IK Rating:	IK08
Warranty:	5 Years

Lumen values are based on CRI90 at CCT 3000K
All product specifications and data are subject to change without notice

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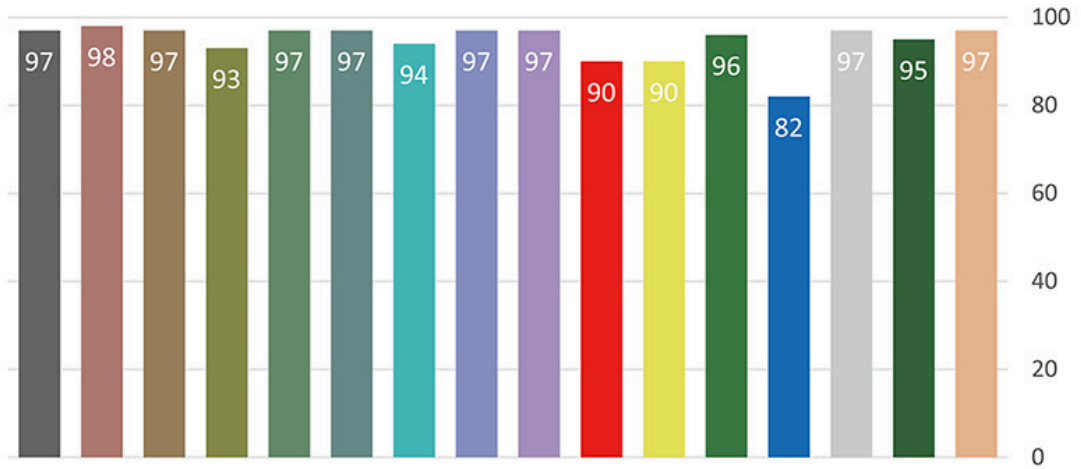
Colour Rendering Index

The Color Rendering Index (CRI) serves as a metric to gauge how accurately a light source portrays the colors of various objects in a given space. Originally comprised of 8 sample colors, the CRI has expanded to 15 samples to provide a more comprehensive evaluation. Notably, within these samples, R9 to R15 focus on assessing special colors with high chroma. Specifically, R9 evaluates the rendering of red tones, while R15 is dedicated to evaluating the portrayal of skin tones. This extension of color samples, coupled with attention to high-chroma colors, enhances the precision in evaluating a light source's ability to faithfully reproduce a diverse range of colors.



Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97	98	97	93	97	97	94	97	97	90	90	96	82	97	95	97

Fig 1 - Colour Rendering Index 4000K, CRI >95

TM30 Rf 92
Rg 100

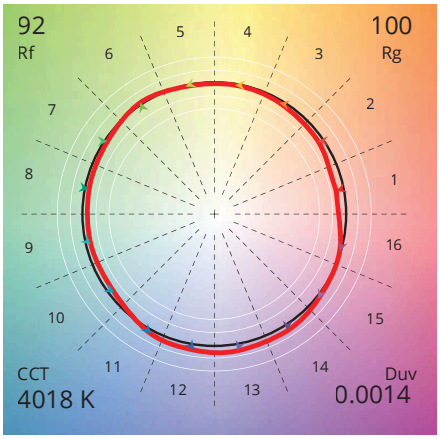


Fig 2 -Colour Vector Graphic 4000K, CRI >90

IES TM-30

TM-30 is the Illuminating Engineering Society (IES) Method for Evaluating Light Source Color Rendition, is a standard developed by the IES to assess the color rendering properties of light sources. It provides a comprehensive set of metrics and values that go beyond the traditional color rendering index (CRI), offering a more detailed and accurate understanding of how well a light source renders colors.