CE

IP65

IK08

CRI >90

Robura
Bollard Light

CE RoHs

AZURE
lighting solutions

160
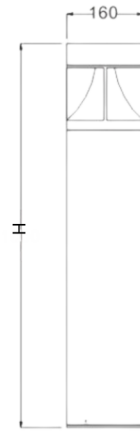
Product Specifications

Power:	10W-15W
Total luminous flux:	Up to 1550lm
Beam Angle:	360°
Dimension (H)	400mm, 600mm, 800mm, 1000mm

General Specifications

Fixture Material:	Aluminium
Finish:	White, Black, Grey, Custom
Glass:	4mm Toughened Glass.
Mounting:	Surface
LED Type:	SMD
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200,2700K, 3000K, 4000K, 6000K
Colour Rendering Index:	>90
R9 Value:	>50
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:	IP65
IK Rating:	IK08
Warranty:	5 Years

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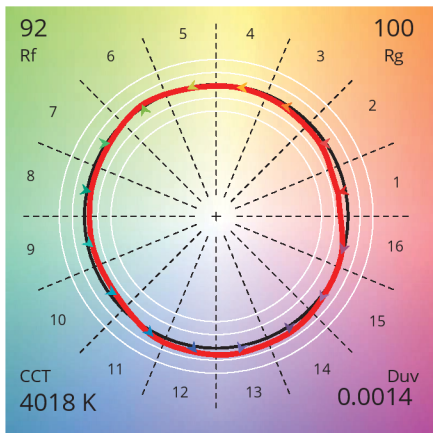All product specifications and data are subject to change without notice

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

92
Rf

100
Rg

CCT
4018 K

Duv
0.0014

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.

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