AZURE

lighting solutions

Ravena
Projector Lights
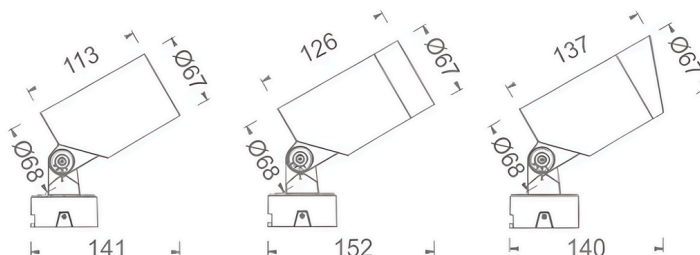
IP66 IK08 CRI >90

CE RoHs

III

CASAMBI

RGB RGBW Tunable White

Dimensions shown: 113 / Ø67 / Ø68 / 141 — 126 / Ø67 / Ø68 / 152 — 137 / Ø67 / Ø68 / 140

Product Specifications

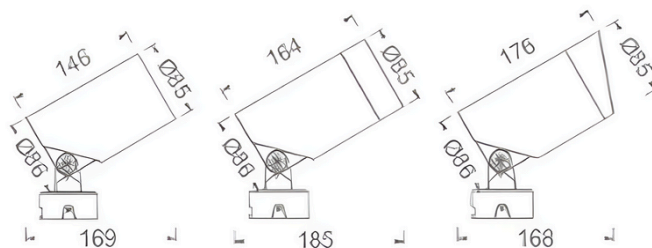| Product Name:	Ravena.68
Power - Single Colour:	6W,8W,10W
Power - RGB, RGBW, TW:	6W-12W
Total luminous flux:	Up to 1200lm
Beam Angles - Single Colour:	5°,8°,10°,12°,20°,25°,30°,40°,45°,60°,10*22°,15*55°,20°*60°
Beam Angles RGB, RGBW, TW:	25°,40°,60°

General Specifications

Fixture Material:	Die Cast Aluminium
Finish:	White, Black, Grey, Custom
Glass:	4mm Toughened Glass
Optical Accessories:	Diffuser Glass,Honeycomb Louver, Anti Glare Cylindrical Hood
Mounting:	Surface, Pole, Garden Spike, Tree Ring
LED Type:	SMD
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200,2700K, 3000K, 4000K, 6000K, RGB,RGBW,Tunable White, Custom
Colour Rendering Index:	>90
R9 Value:	>50
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	12VDC,24VDC,36VDC,48VDC, 220-240VAC 50-60Hz
Control Options:	Non Dim, DALI, Casambi, PWM, DMX512
Protection Class:	Class I, Class III
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP66
Warranty:	5 Years

Accessories

Garden Spike   Pole Bracket   Tree Ring

Lumen values are based on CRI90 at CCT 3000K

All product specifications and data are subject to change without notice

Product Specifications
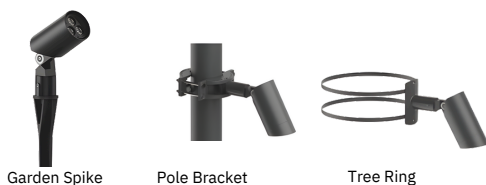
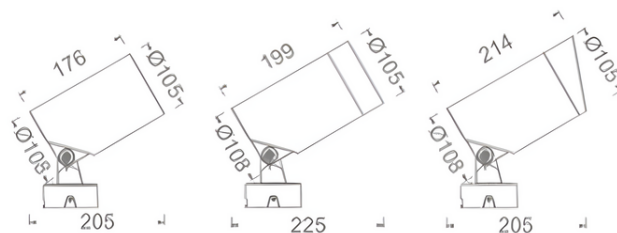| Product Name:	Ravena.86
Power - Single Colour:	10W-24W
Power - RGB, RGBW, TW:	10W-24W
Total luminous flux:	Up to 1200lm
Beam Angles - Single Colour:	5°,8°,10°,12°,20°,25°,30°,40°,45°,60°,10*22°,15*55°,20°*60°
Beam Angles RGB, RGBW, TW:	25°,40°,60°

General Specifications

Fixture Material:	Die Cast Aluminium
Finish:	White, Black, Grey, Custom
Glass:	4mm Toughened Glass
Optical Accessories:	Diffuser Glass,Honeycomb Louver, Anti Glare Cylindrical Hood
Mounting:	Surface, Pole, Garden Spike, Tree Ring
LED Type:	SMD
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200,2700K, 3000K, 4000K, 6000K, RGB,RGBW,Tunable White, Custom
Colour Rendering Index:	>90
R9 Value:	>50
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	12VDC,24VDC,36VDC,48VDC, 220-240VAC 50-60Hz
Control Options:	Non Dim, DALI, Casambi, PWM, DMX512
Protection Class:	Class I, Class III
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP66
Warranty:	5 Years

Accessories

Garden Spike   Pole Bracket   Tree Ring

Lumen values are based on CRI90 at CCT 3000K

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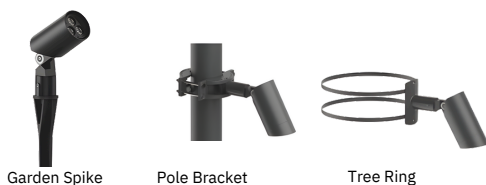

Product Specifications

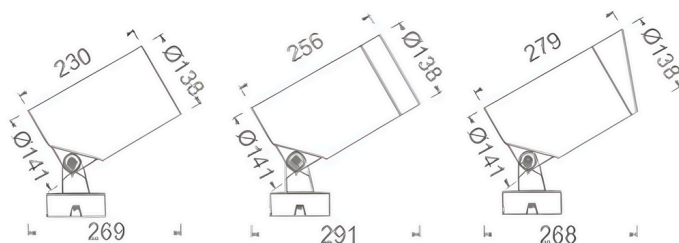|	
Product Name:	Ravena.108
Power - Single Colour:	15W-25W
Power - RGB, RGBW, TW:	15W-30W
Total luminous flux:	Up to 1200lm
Beam Angles - Single Colour:	5°,8°,10°,12°,20°,25°,30°,40°,45°,60°,10*22°,15*55°,20°*60°
Beam Angles RGB, RGBW, TW:	25°,40°,60°

General Specifications

Fixture Material:	Die Cast Aluminium
Finish:	White, Black, Grey, Custom
Glass:	4mm Toughened Glass
Optical Accessories:	Diffuser Glass,Honeycomb Louver, Anti Glare Cylindrical Hood
Mounting:	Surface, Pole, Garden Spike, Tree Ring
LED Type:	SMD
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200,2700K, 3000K, 4000K, 6000K, RGB,RGBW,Tunable White, Custom
Colour Rendering Index:	>90
R9 Value:	>50
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	12VDC,24VDC,36VDC,48VDC, 220-240VAC 50-60Hz
Control Options:	Non Dim, DALI, Casambi, PWM, DMX512
Protection Class:	Class I, Class III
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP66
Warranty:	5 Years

Accessories

Garden Spike   Pole Bracket   Tree Ring

Lumen values are based on CRI90 at CCT 3000K

All product specifications and data are subject to change without notice

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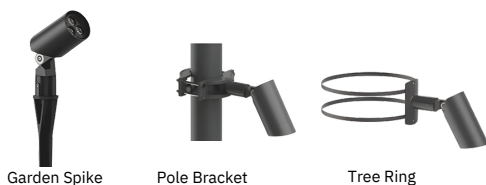
Dimensions (mm): 230, Ø138, Ø141, 269 | 256, Ø138, Ø141, 291 | 279, Ø138, Ø141, 268

Product Specifications

Product Name:	Ravena.140
Power - Single Colour:	40W,48W
Power - RGB, RGBW, TW:	30W-48W
Total luminous flux:	Up to 1200lm
Beam Angles - Single Colour:	5°,8°,10°,12°,20°,25°,30°,40°,45°,60°,10*22°,15*55°,20°*60°
Beam Angles RGB, RGBW, TW:	25°,40°,60°

General Specifications

Fixture Material:	Die Cast Aluminium
Finish:	White, Black, Grey, Custom
Glass:	4mm Toughened Glass
Optical Accessories:	Diffuser Glass,Honeycomb Louver, Anti Glare Cylindrical Hood
Mounting:	Surface, Pole, Garden Spike, Tree Ring
LED Type:	SMD
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200,2700K, 3000K, 4000K, 6000K, RGB,RGBW,Tunable White, Custom
Colour Rendering Index:	>90
R9 Value:	>50
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	12VDC,24VDC,36VDC,48VDC, 220-240VAC 50-60Hz
Control Options:	Non Dim, DALI, Casambi, PWM, DMX512
Protection Class:	Class I, Class III
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP66
Warranty:	5 Years

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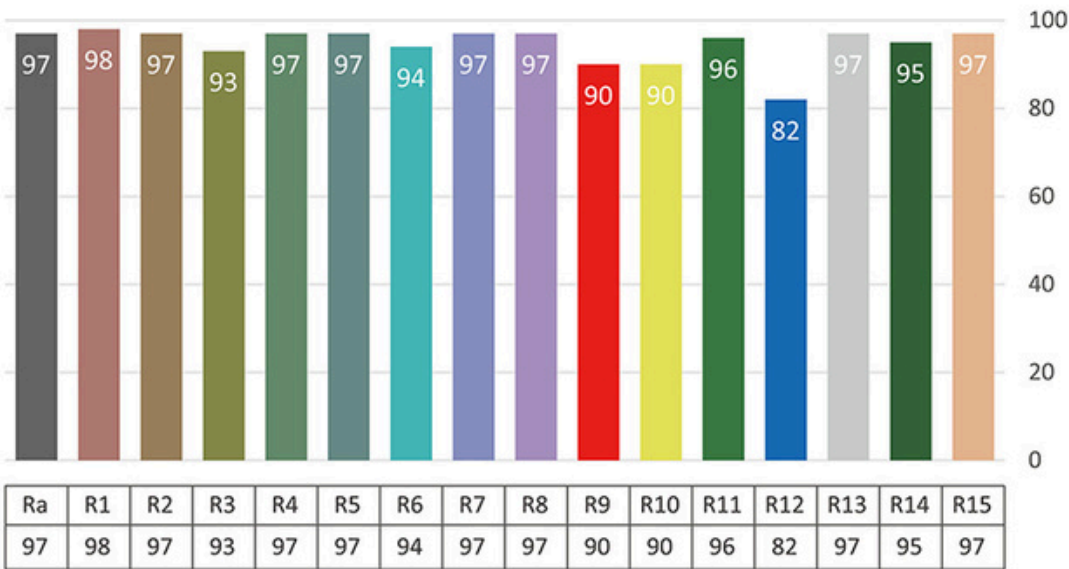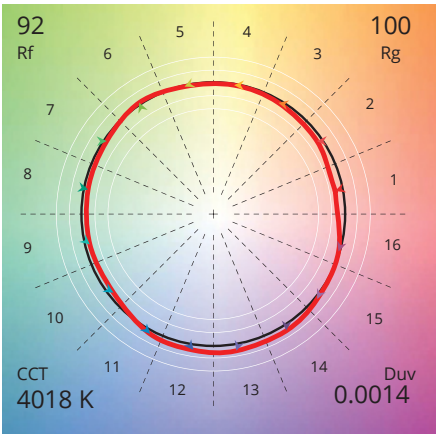
Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97	98	97	93	97	97	94	97	97	90	90	96	82	97	95	97

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

TM30 Rf 92
Rg 100

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