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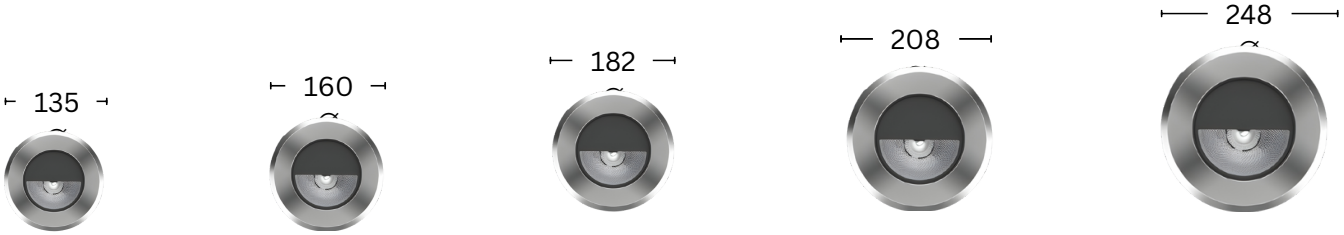

Ember Recessed Ceiling and In-ground Lights

IP67 IK08 CRI >90

CE RoHS III CASAMBI

RGB RGBW Tunable White

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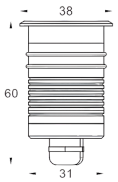
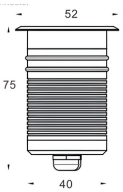
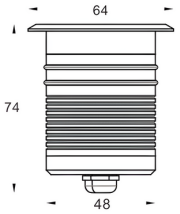






Product Name:	Ember.38	Ember.52	Ember.64
Power Consumption:	1-2W	2-3W	3-5W
Total luminous flux:	Up to 120 lm	Up to 210 lm	Up to 400lm
Mounting:	In-Ground Recessed	Ceiling In-Ground Recessed	Ceiling and In-Ground
Beam Angles - Single Colour	12°, 25°, 40°,60°	5°, 8°, 10°,12°, 25°, 40°,60°	15°, 24°, 38°,60°
Beam Angles - TW, RGB, RGBW:	25°, 40°,60°	25°, 40°,60°	20°, 40°

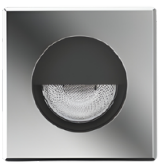
General Specifications

Fixture Material:	Stainless Steel 316
Finish:	Stainless Steel
Adjustability	Fixed
Diffuser:	6mm Tempered Glass, Honeycomb, Opal , Anti Glare Black Silk
LED Type:	CREE
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200K, 2700K, 3000K, 4000K, 6000K, Tunable White, RGB, RGBW, Custom
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, Phase Dim, 0-10V, DALI, DMX512
Protection Class:	Class I, Class III
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP67
IK Rating:	IK08
Warranty:	5 Years

Accessories

Mounting Sleeve

Square Trim



Lumen values are based on CRI90 at CCT 3000K

All product specifications and data are subject to change without notice

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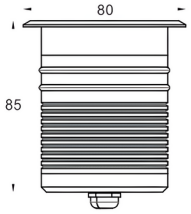

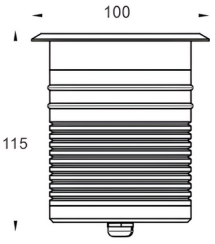

Product Name:	Ember.80	Ember.100
Power Consumption:	5-7W	8-10W
Total luminous flux:	Up to 720 lm	Up to 1050lm
Mounting:	Ceiling and Unground	In-Ground
Beam Angles - Single Colour	8°,12°, 20°, 30°,45°,60°	5°, 8°,12°, 20°, 30°,45°,60°
Beam Angles - TW, RGB, RGBW:	30°, 45°,60°	25°, 40°,60°

General Specifications

Fixture Material:	Stainless Steel 316
Finish:	Stainless Steel
Adjustability	Fixed
Diffuser:	6mm Tempered Glass, Honeycomb, Opal , Anti Glare Black Silk
LED Type:	CREE
Binning:	3 Step MacAdam
Correlated Colour Temperature	2200K, 2700K, 3000K, 4000K, 6000K, Tunable White, RGB, RGBW, Custom
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, Phase Dim, 0-10V, DALI, DMX512
Protection Class:	Class I, Class III
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IP Rating:	IP67
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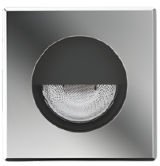

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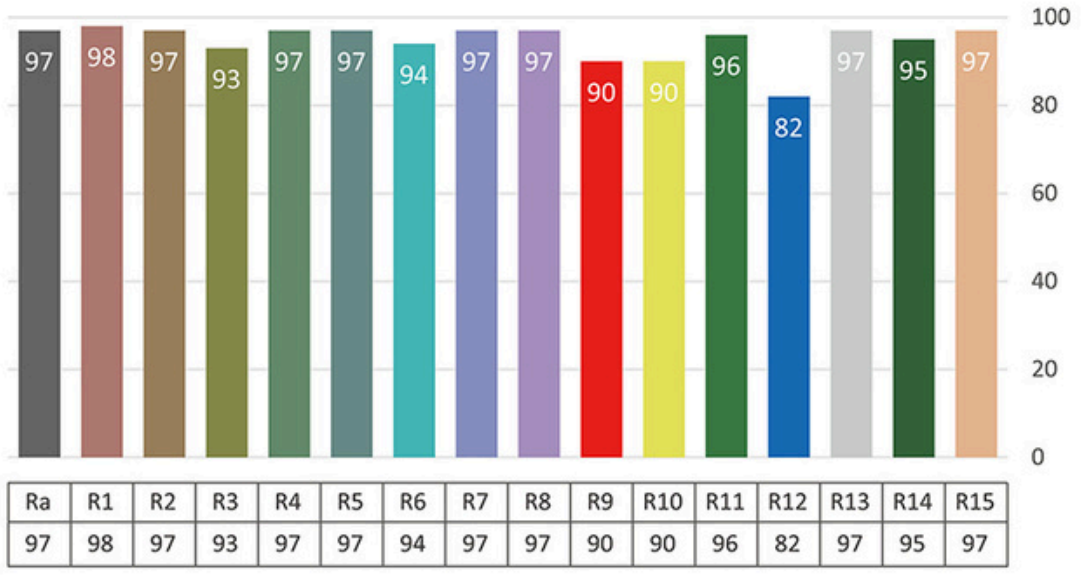
Colour Rendering Index

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

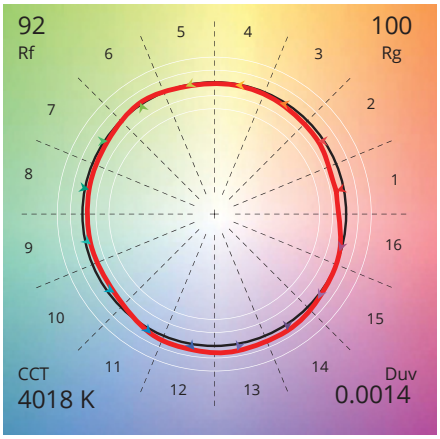


Fig 2 -Colour Vector Graphic 4000K, CRI >90

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.