

AZURE

lighting solutions

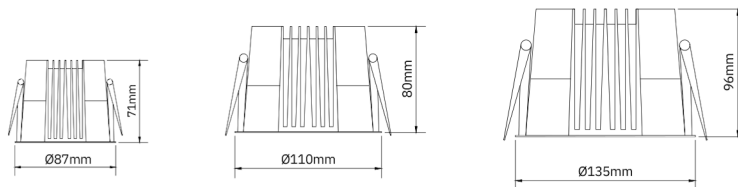


Ecolux Recessed Downlights

AZURELIGHTINGSOLUTIONS.COM



Product Specifications



Power Consumption:	5-10W	10-15W	15-25W
Total luminous flux:	510-1020 Lumen	1030-1545 lumen	1575-2625 lumen
Dimensions (DxH):	Ø87x71mm	Ø110x80mm	Ø135x96mm
Cutout (D):	Ø75mm	Ø100mm	Ø125mm
Beam Angle:	24°, 50°, 60°	24°, 50°, 60°	24°, 50°, 60°

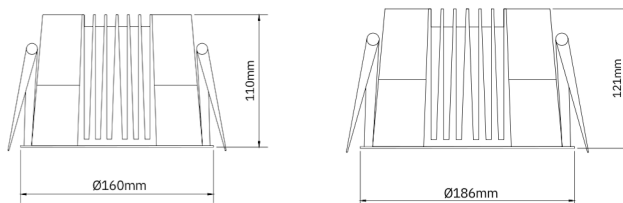
General Specifications

Fixture Material:	Aluminium
Trim Finish:	Black, White, Custom
Mounting:	Recessed
LED Type:	Citizen COB
Binning:	3 Step MacAdam
Correlated Colour Temperature	2700K, 3000K, 3500K, 4000K, 5000K, 6000K, 6500K
Colour Rendering Index:	>90
R9 Value:	>50
Light Distribution:	Symmetric
Optical Cut-off Angle:	35°
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	220-240VAC 50-60Hz
Control Gear:	TCI
Control Options:	Fixed Output, DALI, Push Dim, 0-10V, Casambi
Protection Class:	Class II
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP20, IP54, IP65
Warranty:	5 Years

Lumen values are based on CRI90 at CCT 4000K

All product specifications and data are subject to change without notice

Product Specifications



Power Consumption:	25-35W	35-45W
Total luminous flux:	2700-3780 lumen	3850-4950 lumen
Dimensions (DxH):	Ø160x110mm	Ø186x121mm
Cutout (D):	Ø150mm	Ø175mm
Beam Angle:	24°, 50°,60°	24°, 50°,60°

General Specifications

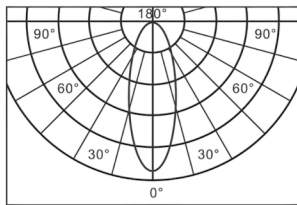
Fixture Material:	Aluminium
Trim Finish:	Black, White, Custom
Mounting:	Recessed
LED Type:	Citizen COB
Binning:	3 Step MacAdam
Correlated Colour Temperature	2700K,3000K,3500K,4000K,5000K,6000K,6500K
Colour Rendering Index:	>90
R9 Value:	>50
Light Distribution:	Symmetric
Optical Cut-off Angle:	35°
Ambient Operating Temperature:	-25° to 50°
Driver Input Voltage:	220-240VAC 50-60Hz
Control Gear:	TCI
Control Options:	Fixed Output, DALI, Push Dim, 0-10V, Casambi
Protection Class:	Class II
Lumen Maintenance:	L80 B10 60,000 Hours
IP Rating:	IP20, IP54, IP65
Warranty:	5 Years

Lumen values are based on CRI90 at CCT 4000K

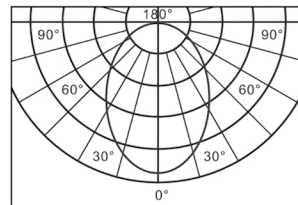
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Photometrics

24° BEAM ANGLE



60° BEAM ANGLE



Specifications Code

ECOLUX.87 . 8 . 20 . 930 . N . 24

8=8W 10=10W	20=IP20 54=IP54 65=IP65	930=3000K 940=4000K 950=5000K	N=NON DIM D=DALI P=PUSH DIM 0=0-10V C=CASAMBI X=NO DRIVER	24=24° 50=50° 60=60°
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ECOLUX.110 . 12 . 20 . 930 . N . 24

12=12W 15=15W	20=IP20 54=IP54 65=IP65	930=3000K 940=4000K 950=5000K	N=NON DIM D=DALI P=PUSH DIM 0=0-10V C=CASAMBI X=NO DRIVER	24=24° 50=50° 60=60°
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ECOLUX.135 . 20 . 20 . 930 . N . 24

20=20W 25=25W	20=IP20 54=IP54 65=IP65	930=3000K 940=4000K 950=5000K	N=NON DIM D=DALI P=PUSH DIM 0=0-10V C=CASAMBI X=NO DRIVER	24=24° 50=50° 60=60°
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ECOLUX.160 . 25 . 20 . 930 . N . 24

25=25W 30=30W 35=35W	20=IP20 54=IP54 65=IP65	930=3000K 940=4000K 950=5000K	N=NON DIM D=DALI P=PUSH DIM 0=0-10V C=CASAMBI X=NO DRIVER	24=24° 50=50° 60=60°
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ECOLUX.186 . 35 . 20 . 930 . N . 24

35=35W 40=40W 45=45W	20=IP20 54=IP54 65=IP65	930=3000K 940=4000K 950=5000K	N=NON DIM D=DALI P=PUSH DIM 0=0-10V C=CASAMBI X=NO DRIVER	24=24° 50=50° 60=60°
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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.

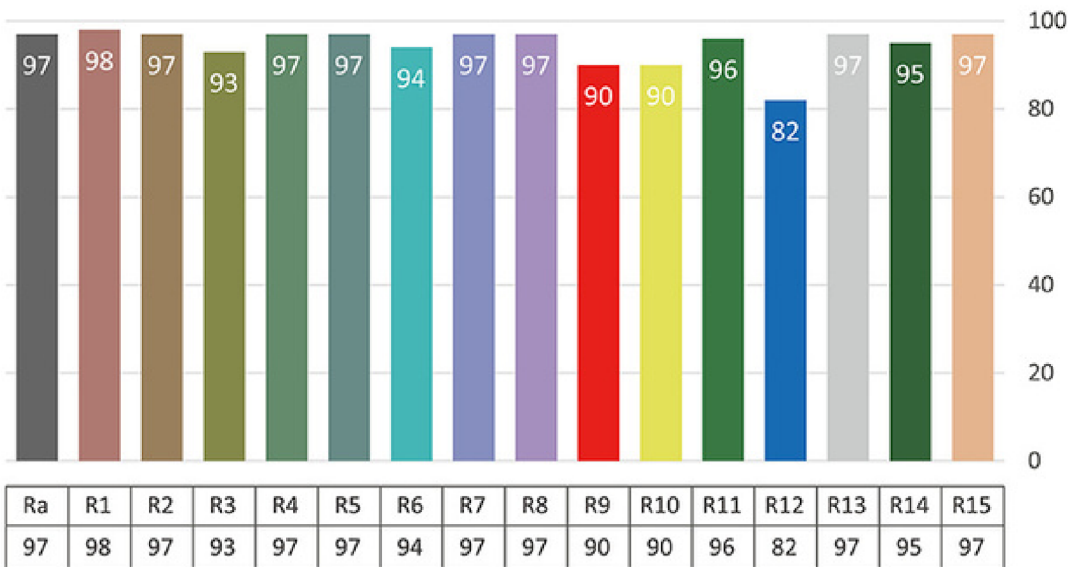
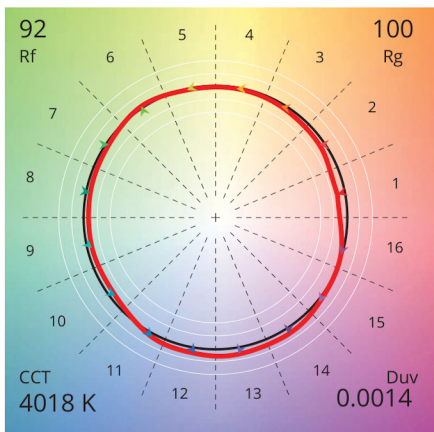


Fig 1 - Colour Rendering Index 4000K, CRI >95

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