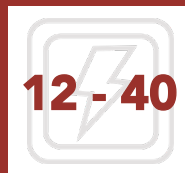


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SIZES



WATTS



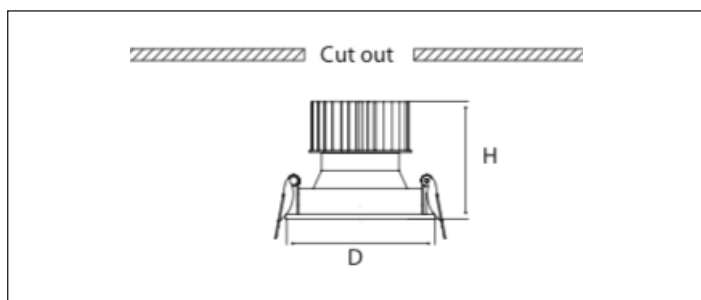
BEAM ANGLES



INGRESS

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Dimensions (mm)

	D	H	Cut Out
Size 1	93	85	78
Size 2	108	85	100
Size 3	120	102	110
Size 4	140	102	125
Size 5	160	117	150

Available Options

Light Distribution		Watt	Lumen	Colour Temp	Finishes
15 deg Spot (S)	38 deg Medium (M)	12	1020	2700 K	White
		15	1275		
24 deg Medium (M)	60 deg Flood (F)	20	1700	3000 K	Black
		30	2550		
		40	3400		
				4000 K	White - Black

Cardan adjustable spotlight collection offers multiple options to chose from wattages ranging between 12W - 40W in all standard symmetric beam options and as made available across 3 varied size options to adopt to site requirements within the standard color spectrum.

The complete range is IP20 suitable for indoor applications as offered.

CCT of 5000K and 6000K are also available on request.

Standard protocol for fixed output driver is offered in our article coding. Dimmable driver options are available on request.

Technical Data

CREE **bridgelux** **EPISTAR**

Body	Die Cast Aluminium
LED Type	COB
Colour Deviation	<2 SDCM
Colour Rendering Index	+90
Lumen Maintenance	L90 / B10 50000 hours
Driver	Integral
Dimmability	DALI (on request)
IP Rating	IP 20
Protection Class	Class II

Certifications

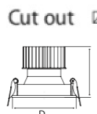


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Size 1	Article Reference	Finish	Watt	Lumen	Colour Temp	Beam Angle
 <p>Dia - 93 mm Height - 85 mm Cutout - 78 mm</p>	CA 111 012 2 S	White	12	1020 lm	2700 K	15 deg
	CA 111 012 3 S	White	12	1020 lm	3000 K	15 deg
	CA 111 012 4 S	White	12	1020 lm	4000 K	15 deg
	CA 121 012 2 S	Black	12	1020 lm	2700 K	15 deg
	CA 121 012 3 S	Black	12	1020 lm	3000 K	15 deg
	CA 121 012 4 S	Black	12	1020 lm	4000 K	15 deg
	CA 131 012 2 S	White - Black	12	1020 lm	2700 K	15 deg
	CA 131 012 3 S	White - Black	12	1020 lm	3000 K	15 deg
	CA 131 012 4 S	White - Black	12	1020 lm	4000 K	15 deg
	CA 111 012 2 M	White	12	1020 lm	2700 K	38 deg
	CA 111 012 3 M	White	12	1020 lm	3000 K	38 deg
	CA 111 012 4 M	White	12	1020 lm	4000 K	38 deg
	CA 121 012 2 M	Black	12	1020 lm	2700 K	38 deg
	CA 121 012 3 M	Black	12	1020 lm	3000 K	38 deg
	CA 121 012 4 M	Black	12	1020 lm	4000 K	38 deg
	CA 131 012 2 M	White - Black	12	1020 lm	2700 K	38 deg
	CA 131 012 3 M	White - Black	12	1020 lm	3000 K	38 deg
	CA 131 012 4 M	White - Black	12	1020 lm	4000 K	38 deg
	CA 111 012 2 F	White	12	1020 lm	2700 K	60 deg
	CA 111 012 3 F	White	12	1020 lm	3000 K	60 deg
	CA 111 012 4 F	White	12	1020 lm	4000 K	60 deg
	CA 121 012 2 F	Black	12	1020 lm	2700 K	60 deg
	CA 121 012 3 F	Black	12	1020 lm	3000 K	60 deg
	CA 121 012 4 F	Black	12	1020 lm	4000 K	60 deg
	CA 131 012 2 F	White - Black	12	1020 lm	2700 K	60 deg
	CA 131 012 3 F	White - Black	12	1020 lm	3000 K	60 deg
	CA 131 012 4 F	White - Black	12	1020 lm	4000 K	60 deg

Size 2	Article Reference	Finish	Watt	Lumen	Colour Temp	Beam Angle
 <p>Dia - 108 mm Height - 85 mm Cutout - 100 mm</p>	CA 112 015 2 S	White	15	1275 lm	2700 K	15 deg
	CA 112 015 3 S	White	15	1275 lm	3000 K	15 deg
	CA 112 015 4 S	White	15	1275 lm	4000 K	15 deg
	CA 122 015 2 S	Black	15	1275 lm	2700 K	15 deg
	CA 122 015 3 S	Black	15	1275 lm	3000 K	15 deg
	CA 122 015 4 S	Black	15	1275 lm	4000 K	15 deg
	CA 132 015 2 S	White - Black	15	1275 lm	2700 K	15 deg
	CA 132 015 3 S	White - Black	15	1275 lm	3000 K	15 deg

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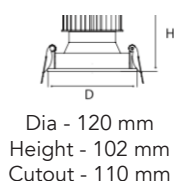
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Article Reference	Finish	Watt	Lumen	Colour Temp	Beam Angle
CA 132 015 4 S	White - Black	15	1275 lm	4000 K	15 deg
CA 112 015 2 M	White	15	1275 lm	2700 K	38 deg
CA 112 015 3 M	White	15	1275 lm	3000 K	38 deg
CA 112 015 4 M	White	15	1275 lm	4000 K	38 deg
CA 122 015 2 M	Black	15	1275 lm	2700 K	38 deg
CA 122 015 3 M	Black	15	1275 lm	3000 K	38 deg
CA 122 015 4 M	Black	15	1275 lm	4000 K	38 deg
CA 132 015 2 M	White - Black	15	1275 lm	2700 K	38 deg
CA 132 015 3 M	White - Black	15	1275 lm	3000 K	38 deg
CA 132 015 4 M	White - Black	15	1275 lm	4000 K	38 deg
CA 112 015 2 F	White	15	1275 lm	2700 K	60 deg
CA 112 015 3 F	White	15	1275 lm	3000 K	60 deg
CA 112 015 4 F	White	15	1275 lm	4000 K	60 deg
CA 122 015 2 F	Black	15	1275 lm	2700 K	60 deg
CA 122 015 3 F	Black	15	1275 lm	3000 K	60 deg
CA 122 015 4 F	Black	15	1275 lm	4000 K	60 deg
CA 132 015 2 F	White - Black	15	1275 lm	2700 K	60 deg
CA 132 015 3 F	White - Black	15	1275 lm	3000 K	60 deg
CA 132 015 4 F	White - Black	15	1275 lm	4000 K	60 deg

Size 3

/// Cut out ///



CA 113 020 2 S	White	20	1700 lm	2700 K	15 deg
CA 113 020 3 S	White	20	1700 lm	3000 K	15 deg
CA 113 020 4 S	White	20	1700 lm	4000 K	15 deg
CA 123 020 2 S	Black	20	1700 lm	2700 K	15 deg
CA 123 020 3 S	Black	20	1700 lm	3000 K	15 deg
CA 123 020 4 S	Black	20	1700 lm	4000 K	15 deg
CA 133 020 2 S	White - Black	20	1700 lm	2700 K	15 deg
CA 133 020 3 S	White - Black	20	1700 lm	3000 K	15 deg
CA 133 020 4 S	White - Black	20	1700 lm	4000 K	15 deg
CA 113 020 2 M	White	20	1700 lm	2700 K	38 deg
CA 113 020 3 M	White	20	1700 lm	3000 K	38 deg
CA 113 020 4 M	White	20	1700 lm	4000 K	38 deg
CA 123 020 2 M	Black	20	1700 lm	2700 K	38 deg
CA 123 020 3 M	Black	20	1700 lm	3000 K	38 deg
CA 123 020 4 M	Black	20	1700 lm	4000 K	38 deg
CA 133 020 2 M	White - Black	20	1700 lm	2700 K	38 deg

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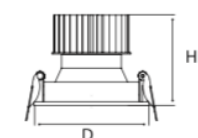
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Article Reference	Finish	Watt	Lumen	Colour Temp	Beam Angle
CA 133 020 3 M	White - Black	20	1700 lm	3000 K	38 deg
CA 133 020 4 M	White - Black	20	1700 lm	4000 K	38 deg
CA 113 020 2 F	White	20	1700 lm	2700 K	60 deg
CA 113 020 3 F	White	20	1700 lm	3000 K	60 deg
CA 113 020 4 F	White	20	1700 lm	4000 K	60 deg
CA 123 020 2 F	Black	20	1700 lm	2700 K	60 deg
CA 123 020 3 F	Black	20	1700 lm	3000 K	60 deg
CA 123 020 4 F	Black	20	1700 lm	4000 K	60 deg
CA 133 020 2 F	White - Black	20	1700 lm	2700 K	60 deg
CA 133 020 3 F	White - Black	20	1700 lm	3000 K	60 deg
CA 133 020 4 F	White - Black	20	1700 lm	4000 K	60 deg

Size 4

/// Cut out ///



Dia - 140 mm
Height - 102 mm
Cutout - 125 mm

CA 114 030 2 S	White	30	2550 lm	2700 K	15 deg
CA 114 030 3 S	White	30	2550 lm	3000 K	15 deg
CA 114 030 4 S	White	30	2550 lm	4000 K	15 deg
CA 124 030 2 S	Black	30	2550 lm	2700 K	15 deg
CA 124 030 3 S	Black	30	2550 lm	3000 K	15 deg
CA 124 030 4 S	Black	30	2550 lm	4000 K	15 deg
CA 134 030 2 S	White - Black	30	2550 lm	2700 K	15 deg
CA 134 030 3 S	White - Black	30	2550 lm	3000 K	15 deg
CA 134 030 4 S	White - Black	30	2550 lm	4000 K	15 deg
CA 114 030 2 M	White	30	2550 lm	2700 K	38 deg
CA 114 030 3 M	White	30	2550 lm	3000 K	38 deg
CA 114 030 4 M	White	30	2550 lm	4000 K	38 deg
CA 124 030 2 M	Black	30	2550 lm	2700 K	38 deg
CA 124 030 3 M	Black	30	2550 lm	3000 K	38 deg
CA 124 030 4 M	Black	30	2550 lm	4000 K	38 deg
CA 134 030 2 M	White - Black	30	2550 lm	2700 K	38 deg
CA 134 030 3 M	White - Black	30	2550 lm	3000 K	38 deg
CA 134 030 4 M	White - Black	30	2550 lm	4000 K	38 deg
CA 114 030 2 F	White	30	2550 lm	2700 K	60 deg
CA 114 030 3 F	White	30	2550 lm	3000 K	60 deg
CA 114 030 4 F	White	30	2550 lm	4000 K	60 deg
CA 124 030 2 F	Black	30	2550 lm	2700 K	60 deg
CA 124 030 3 F	Black	30	2550 lm	3000 K	60 deg
CA 124 030 4 F	Black	30	2550 lm	4000 K	60 deg

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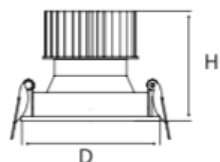
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	Article Reference	Finish	Watt	Lumen	Colour Temp	Beam Angle
	CA 134 030 2 F	White - Black	30	2550 lm	2700 K	60 deg
	CA 134 030 3 F	White - Black	30	2550 lm	3000 K	60 deg
	CA 134 030 4 F	White - Black	30	2550 lm	4000 K	60 deg

Size 5

 Cut out 



Dia - 160 mm
Height - 117 mm
Cutout - 150 mm

	CA 115 040 2 S	White	40	3400 lm	2700 K	15 deg
	CA 115 040 3 S	White	40	3400 lm	3000 K	15 deg
	CA 115 040 4 S	White	40	3400 lm	4000 K	15 deg
	CA 125 040 2 S	Black	40	3400 lm	2700 K	15 deg
	CA 125 040 3 S	Black	40	3400 lm	3000 K	15 deg
	CA 125 040 4 S	Black	40	3400 lm	4000 K	15 deg
	CA 135 040 2 S	White - Black	40	3400 lm	2700 K	15 deg
	CA 135 040 3 S	White - Black	40	3400 lm	3000 K	15 deg
	CA 135 040 4 S	White - Black	40	3400 lm	4000 K	15 deg
	CA 115 040 2 M	White	40	3400 lm	2700 K	38 deg
	CA 115 040 3 M	White	40	3400 lm	3000 K	38 deg
	CA 115 040 4 M	White	40	3400 lm	4000 K	38 deg
	CA 125 040 2 M	Black	40	3400 lm	2700 K	38 deg
	CA 125 040 3 M	Black	40	3400 lm	3000 K	38 deg
	CA 125 040 4 M	Black	40	3400 lm	4000 K	38 deg
	CA 135 040 2 M	White - Black	40	3400 lm	2700 K	38 deg
	CA 135 040 3 M	White - Black	40	3400 lm	3000 K	38 deg
	CA 135 040 4 M	White - Black	40	3400 lm	4000 K	38 deg
	CA 115 040 2 F	White	40	3400 lm	2700 K	60 deg
	CA 115 040 3 F	White	40	3400 lm	3000 K	60 deg
	CA 115 040 4 F	White	40	3400 lm	4000 K	60 deg
	CA 125 040 2 F	Black	40	3400 lm	2700 K	60 deg
	CA 125 040 3 F	Black	40	3400 lm	3000 K	60 deg
	CA 125 040 4 F	Black	40	3400 lm	4000 K	60 deg
	CA 135 040 2 F	White - Black	40	3400 lm	2700 K	60 deg
	CA 135 040 3 F	White - Black	40	3400 lm	3000 K	60 deg
	CA 135 040 4 F	White - Black	40	3400 lm	4000 K	60 deg

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