LUCERNA

LIGHTING

Rinia Mini Linear LED

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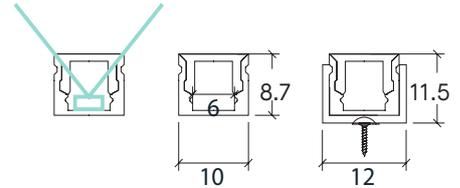Rinia Mini Linear LED

RINIA PROFILE MINI

Mini Slim Profile

Dimensions:	10mm (w) x 8.7mm (h)
Dimensions with Clips:	12mm (w) x 11.5mm (h)
LED Tape Width:	Maximum 6mm
Length:	Maximum length 2 Meters
Finish:	Aluminium or RAL*
Cover:	Frosted
IP/Rating:	IP20
Accessories:	Mounting Clip / End Cap /Power End Cap

Mini Deep Profile

Dimensions:	10mm (w) x 13.3mm (h)
Dimensions with Clips:	13mm (w) x 15mm (h)
LED Tape Width:	Maximum 6mm
Length:	Maximum length 2 Meters
Finish:	Aluminium or RAL*
Cover:	Frosted
IP/Rating:	IP20
Accessories:	Mounting Clip / End Cap /Power End Cap
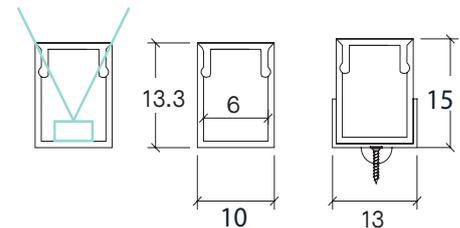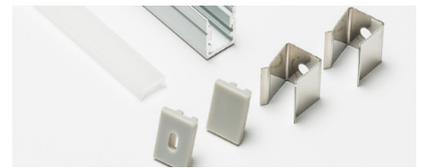
Mini Corner Slim Profile

Dimensions:	10mm (w) x 10mm (h)
Dimensions with Clips:	12mm (w) x 12mm (h)
LED Tape Width:	Maximum 6mm
Length:	Maximum length 2 Meters
Finish:	Aluminium or RAL*
Cover:	Frosted
IP/Rating:	IP20
Accessories:	Mounting Clip / End Cap /Power End Cap
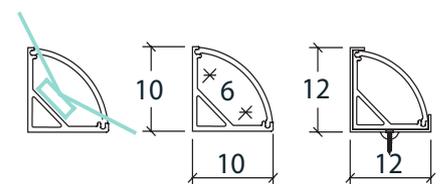
The Rinia range of aluminium profiles protect the tape from the environment, work as a heat-sink for optimum LED performance, as well as controlling and diffusing the light output. The aluminium is anodised and the cover is supplied in frosted as standard. Popular with our commercial clients are the custom RAL finishes. The profiles come in two meter lengths as standard and can usually be delivered next day to site. The production team can cut profiles to size, provide custom length fly leads and deliver complete fittings to site ready for installation.

Rinia LED Tape

Mini 24V DC 15W/M CRI90+

Wattage:	15w/m			
Colour Temperature:	2200K	2400K	2700K	3000K
LED Lumen Metre (lm/m):	1221 lm/m	1006 lm/m	1202 lm/m	1274 lm/m
Efficacy:	74 lm/w	72 lm/w	75 lm/w	82 lm/w
Colour Rendering Index:	>95	>95	>92	>92
TM-30-Rf:	93	93	91	90
TM-30-Rg:	100	101	100	102
Voltage:	24V DC			
IP Rating:	IP20			
Minimum Bend Radius:	50mm			
Dimensions:	Width 5mm			
Maximum Run Length:	5m			
Cut Increments:	33mm			
Beam Angle:	120º			
Dimming:	0-10V / 1-10V / DALI / Mains (phase)			

150.00±5.00mm   5000±10.00mm   5±0.25mm
5.5±0.5mm
33±0.25mm   0.53mm
Adhesive tape for mounting   2.15±0.25mm
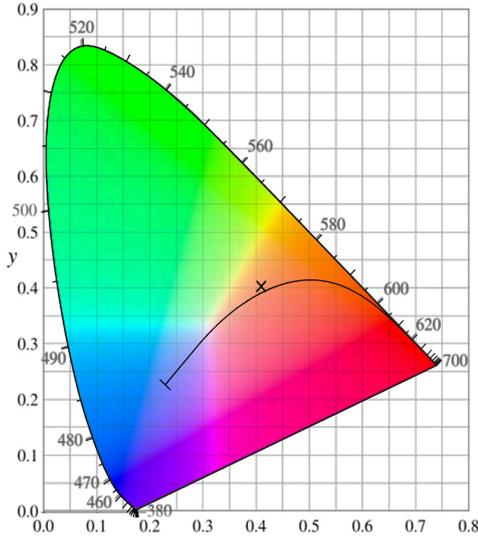
CE UL SINGLE BINNING +92 CRI RoHS

Lucerna Lighting provides an extensive range of Rinia LED tapes suitable for residential and commercial applications. The Rinia range is designed to meet the demanding requirements of lighting designers and so includes high CRI ratings, single binning and consistency across the range using the same bin numbers. Supplied in reels to be cut and soldered on site or made to order within custom profiles with end caps and pre-wired tails.
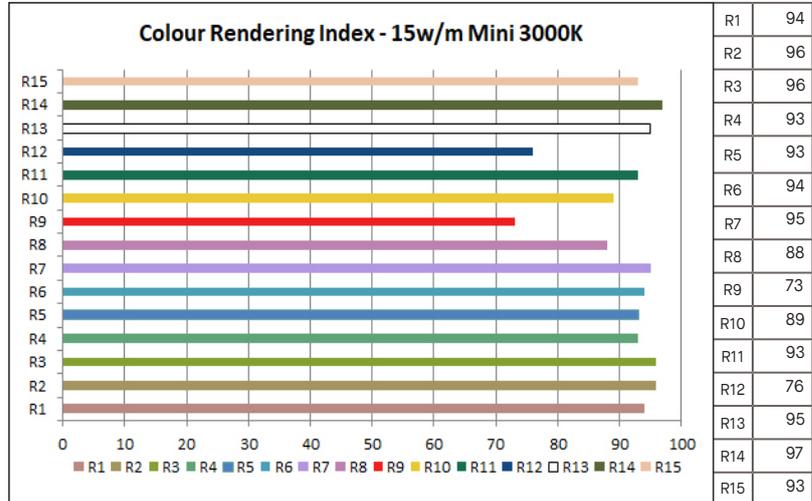
Rinia LED Tape

Mini 24V DC 15W/M CRI90+

CIE Chromaticity Diagrams:

Colour Rendering Index:

Colour Rendering Index - 15w/m Mini 3000K

R1	94
R2	96
R3	96
R4	93
R5	93
R6	94
R7	95
R8	88
R9	73
R10	89
R11	93
R12	76
R13	95
R14	97
R15	93

Data Source: 15w/m Mini 3000k Rinia LED Tape

Power Supplies & Control Interfaces

Power Supplies	Wattage	Voltage	Length	Height	Width
PS2024	20w	24vDC	118mm	35mm	26mm
PS6024	60w	24vDC	163mm	42.5mm	32mm
PS10024	100w	24vDC	190mm	52mm	37mm
PS15024	150w	24vDC	228mm	68mm	39mm

Dimming Interface	Control	Wattage	Length	Height	Width
PS10024PD	Mains Dimmable	100w	230mm	70mm	46mm
DINT	1-10v Dimmable	120w	172mm	42mm	20mm

Please use the recommended power supplies and dimming interfaces to ensure a smooth dimming curve.
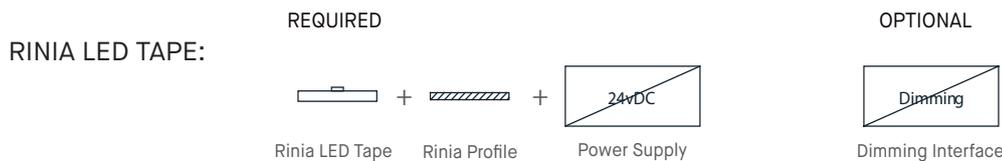

Compatible Profiles:

Mini Slim Profile

Mini Deep Profile

Mini Corner Slim Profile

RINIA LED TAPE:

REQUIRED

Rinia LED Tape + Rinia Profile + Power Supply (24vDC)
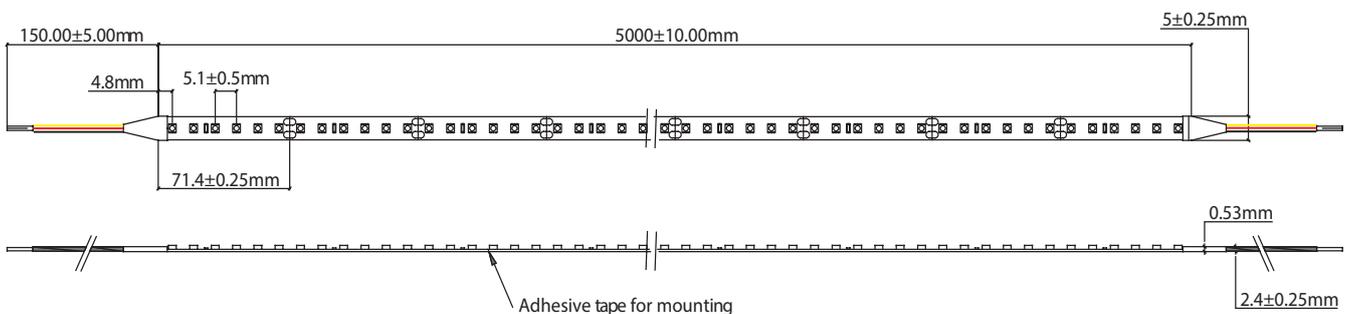
OPTIONAL

Dimming Interface

PLEASE NOTE:

Power supplies & dimmable interfaces must be placed in accessible, safe and well ventilated locations. If the LED tape is to be placed over 1 metre away from the power supply please ensure voltage drop does not exceed 3%. Electrician to ensure correct cabling is specified. Please contact lightbout.iQ for more information.

RINIA LED TAPE

Mini Dynamic White 24V DC 12W/M 2100K - 3000K

Wattage:	12w/m	(6w/m)	(6w/m)
Colour Temperature:	2560K	2100K	3000K
	(Combined)	2100K only	3000K only
LED Lumen Metre (lm/m):	972 lm/m	451 lm/m	535 lm/m
Efficacy:	86 lm/w	80 lm/w	95 lm/w
Colour Rendering Index:	94	93	93
TM-30-Rf:	90	91	90
TM-30-Rg:	103	99	102
Voltage:	24V DC		
IP Rating:	IP20		
Minimum Bend Radius:	50mm		
Dimensions:	Width 5mm		
Maximum Run Length:	5 Meters		
Cut Increments:	71.4mm (+0.25)		
Beam Angle:	120°		
Dimming:	0-10V / Dali / DMX		

Adhesive tape for mounting

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RINIA LED TAPE

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Mini Dynamic White 24V DC 12W/M

CIE Chromaticity Diagrams:

Spectrum
1.0=23.075mW/nm
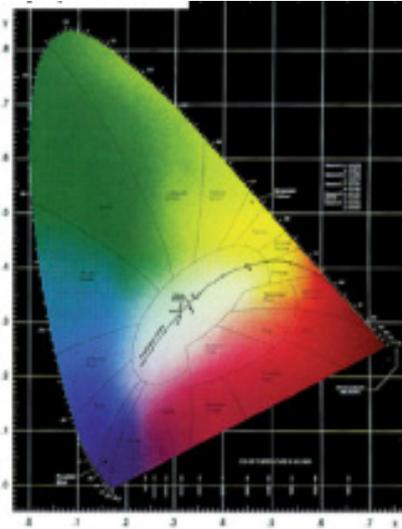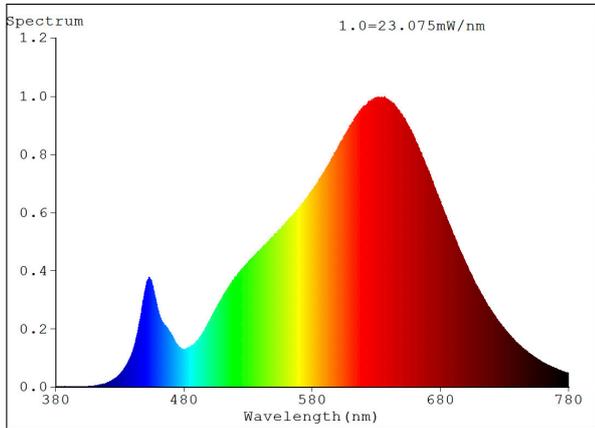
R1	95
R2	97
R3	96
R4	94
R5	94
R6	96
R7	93
R8	87
R9	72
R10	91
R11	94
R12	84
R13	96
R14	97
R15	93

Data Source: Mini Dynamic White 12W/M

Power Supplies & Control Interfaces

Power Supplies	Wattage	Voltage	Length	Height	Width
PS6024	60w	24vDC	163mm	42.5mm	32mm
PS10024	100w	24vDC	190mm	52mm	37mm
PS15024	150w	24vDC	228mm	68mm	39mm

Dimming Interface	Control	Wattage	Length	Height	Width
ELDLN200D	DALI DT8 Tc	192W	153mm	23mm	50mm

Other dimming interfaces available (DALI/DMX)

Compatible Profiles:

Mini Slim Profile

Mini Deep Profile

Mini Corner Slim Profile

RINIA LED TAPE:

REQUIRED

Rinia LED Tape + Rinia Profile + 24vDC Power Supply
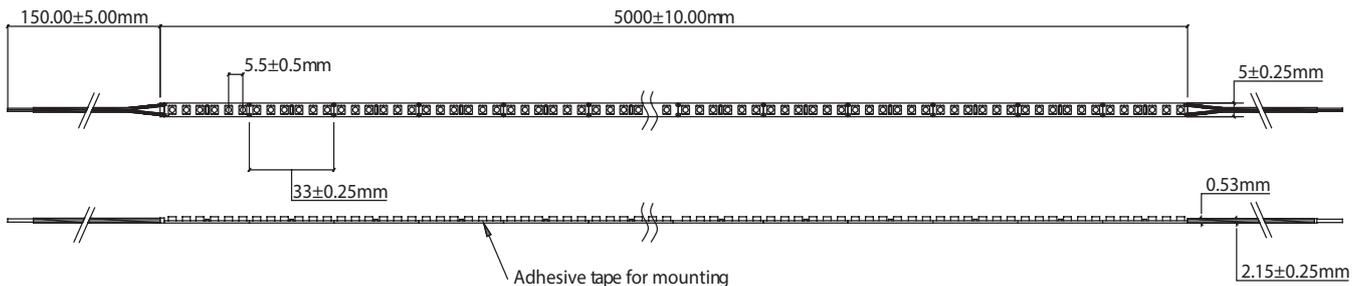
OPTIONAL

Dimming — Dimming Interface

PLEASE NOTE:
Power supplies & dimmable interfaces must be placed in accessible, safe and well ventilated locations. If the LED tape is to be placed over 1 metre away from the power supply please ensure voltage drop does not exceed 3%. Electrician to ensure correct cabling is specified. Please contact lightbout.iQ for more information.

RINIA LED TAPE

Mini 24V DC IP54 15W/M CRI90+

Wattage:	15w/m			
Colour Temperature:	**2200K**	**2400K**	**2700K**	**3000K**
LED Lumen Metre (lm/m):	1221 lm/m	1006 lm/m	1202 lm/m	1274 lm/m
Efficacy:	74 lm/w	72 lm/w	75 lm/w	82 lm/w
Colour Rendering Index:	>95	>95	>92	>92
TM-30-Rf:	93	93	91	90
TM-30-Rg:	100	101	100	102
Voltage:	24V DC			
IP Rating:	IP54			
Minimum Bend Radius:	50mm			
Dimensions:	Width 5mm			
Maximum Run Length:	5m			
Cut Increments:	33mm			
Beam Angle:	120º			
Dimming:	0-10V / 1-10V / DALI / Mains (phase)			

150.00±5.00mm   5000±10.00mm

5.5±0.5mm

5±0.25mm

33±0.25mm

0.53mm

Adhesive tape for mounting

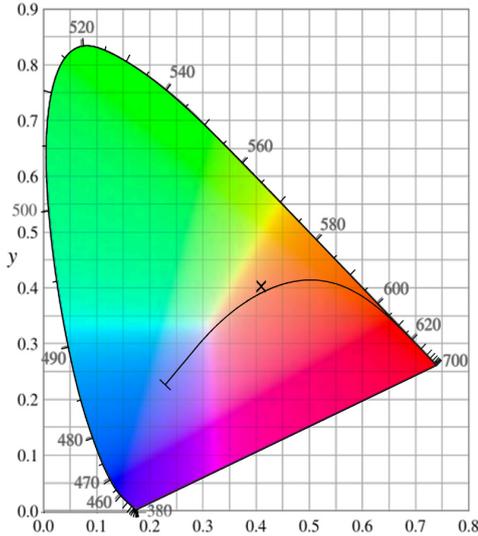2.15±0.25mm

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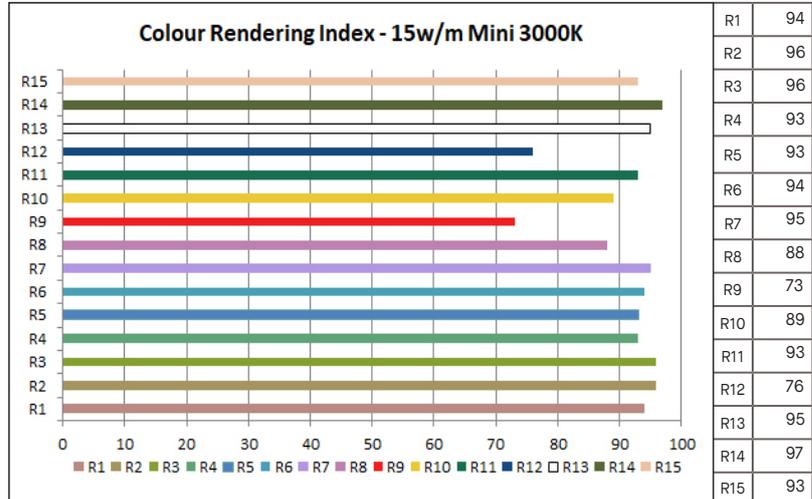
Rinia LED Tape

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Mini 24V DC IP54 15W/M CRI90+

CIE Chromaticity Diagrams:

Data Source: 15w/m Mini 3000k Rinia LED Tape

Colour Rendering Index:

Colour Rendering Index - 15w/m Mini 3000K

R1	94
R2	96
R3	96
R4	93
R5	93
R6	94
R7	95
R8	88
R9	73
R10	89
R11	93
R12	76
R13	95
R14	97
R15	93

Power Supplies & Control Interfaces

Power Supplies	Wattage	Voltage	Length	Height	Width
PS2024	20w	24vDC	118mm	35mm	26mm
PS6024	60w	24vDC	163mm	42.5mm	32mm
PS10024	100w	24vDC	190mm	52mm	37mm
PS15024	150w	24vDC	228mm	68mm	39mm

Dimming Interface	Control	Wattage	Length	Height	Width
PS10024PD	Mains Dimmable	100w	230mm	70mm	46mm
DINT	1-10v Dimmable	120w	172mm	42mm	20mm

Please use the recommended power supplies and dimming interfaces to ensure a smooth dimming curve.

Compatible Profiles:

Mini Slim Profile

Mini Deep Profile

Mini Corner Slim Profile

RINIA LED TAPE:

REQUIRED

OPTIONAL

Rinia LED Tape + Rinia Profile + Power Supply   Dimming Interface
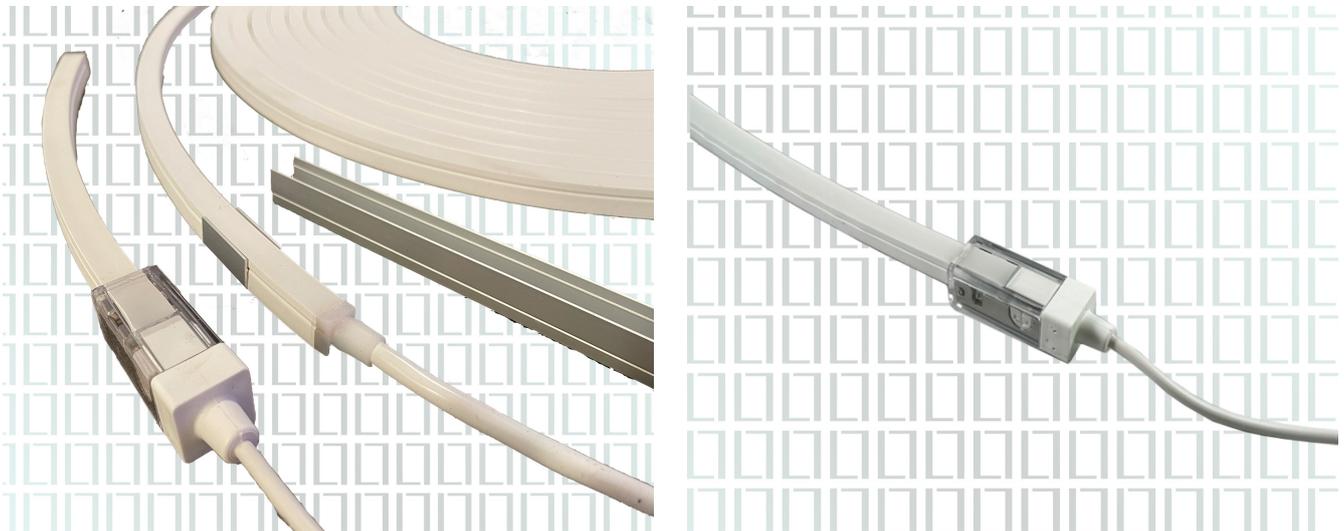
PLEASE NOTE:

Power supplies & dimmable interfaces must be placed in accessible, safe and well ventilated locations. If the LED tape is to be placed over 1 metre away from the power supply please ensure voltage drop does not exceed 3%. Electrician to ensure correct cabling is specified. Please contact lightbout.iQ for more information.

Rinia LED Mini Flex

Rinia LED Mini Flex

Mini 24V DC 10W/M CRI90+

Wattage:	10w/m			
Colour Temperature:	2000K	2200K	2400K	2700K
LED Lumen Metre (lm/m):	414 lm/m	461 lm/m	451 lm/m	475 lm/m
Efficacy:	40 lm/w	44.7 lm/w	43.0 lm/w	45.6 lm/w
Colour Rendering Index:	92.5	92.7	92.9	92.5
TM-30-Rf:	91	92	92	92
TM-30-Rg:	94	97	98	100
Voltage:	24V DC			
IP Rating:	IP67 (10m reel; uncut) - IP65 with connectors - UV & Saltwater resistant			
Minimum Bend Radius:	50mm			
Dimensions:	10mm x 10mm			
Maximum Run Length:	10m			
Cut Increments:	100mm			
Beam Angle:	120°			
Dimming:	0-10v / 1-10v / DALI / Mains (phase)			


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Rinia LED Mini Flex is a robust and water resistant product with a small profile of only 10mm. The smooth surface and matte finish provide a clean and continuous lighting effect. It can be supplied as a Top Flex that can bend along the light emitting face or a Side Flex. If supplied as a whole reel (10m) with the manufactured ends it is IP67 and if cut to size with end caps it is IP65.

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Side Bend 24V DC 10W/M CRI90+

Spectrum Wavelength (nm) 2200K
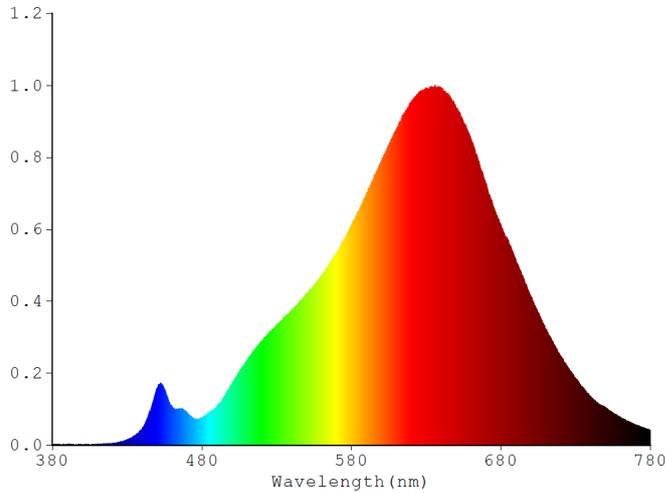
CRI 2200K

R1	92
R2	96
R3	97
R4	94
R5	92
R6	96
R7	92
R8	82
R9	61
R10	89
R11	95
R12	85
R13	93
R14	97
R15	88

Power Cap - Straight
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

End Cap
Width: 12.7mm
Height: 12.7mm
Length: 9.6mm

Power Cap - Side Left
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

End Cap
Width: 17.8mm
Height: 17.0mm
Length: 37.5mm

Power Cap - Side Right
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

Jumper Connector
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm
Cable: 300mm

Power Cap - Bottom
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

Aluminium Clip
Width: 12mm
Height: 12.5mm
Length: 25mm

Aluminium Profile
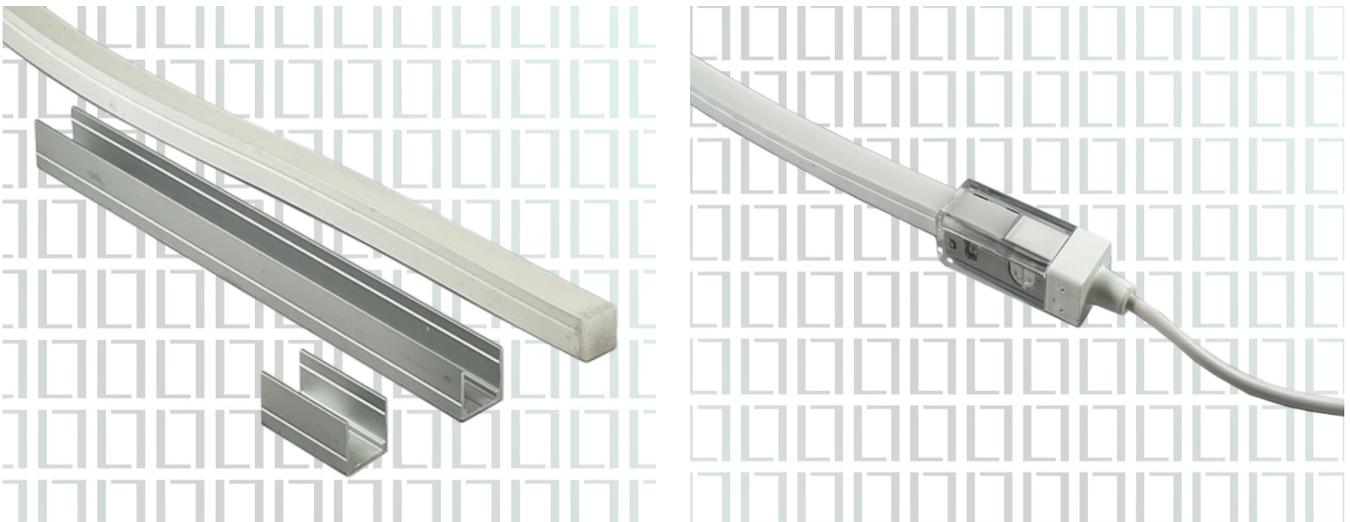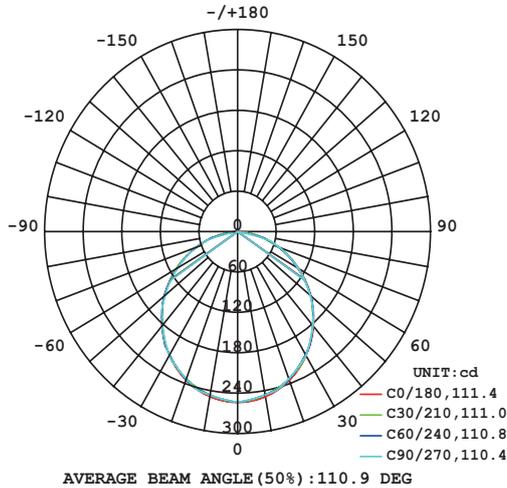Width: 12mm
Height: 12.5mm
Length: 100mm

PLEASE NOTE:

Power supplies & dimmable interfaces must be placed in accessible, safe and well ventilated locations. If the LED tape is to be placed over 1 Meter away from the power supply please ensure voltage drop does not exceed 3%. Electrician to ensure correct cabling is specified. Please contact lightbout.iQ for more information.

Rinia LED Mini Flex

Top Bend 24V DC 10W/M CRI90+

Wattage:	10w/m			
Colour Temperature:	2000K	2200K	2400K	2700K
LED Lumen Metre (lm/m):	512 lm/m	560 lm/m	520 lm/m	600 lm/m
Efficacy:	49.5 lm/w	54.2 lm/w	51.4 lm/w	57.8 lm/w
Colour Rendering Index:	92	92	93	93
TM-30-Rf:	91	92	92	92
TM-30-Rg:	94	97	98	100
Voltage:	24V DC			
IP Rating:	IP67 (10m reel; uncut) - IP65 with connectors - UV & Saltwater resistant			
Minimum Bend Radius:	50mm			
Dimensions:	10mm x 10mm			
Maximum Run Length:	10m			
Cut Increments:	100mm			
Beam Angle:	120°			
Dimming:	0-10v / 1-10v / DALI / Mains (phase)			

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Rinia LED Mini Flex is a robust and water resistant product with a small profile of only 10mm. The smooth surface and matte finish provide a clean and continuous lighting effect. It can be supplied as a Top Flex that can bend along the light emitting face or a Side Flex. If supplied as a whole reel (10m) with the manufactured ends it is IP67 and if cut to size with end caps it is IP65.
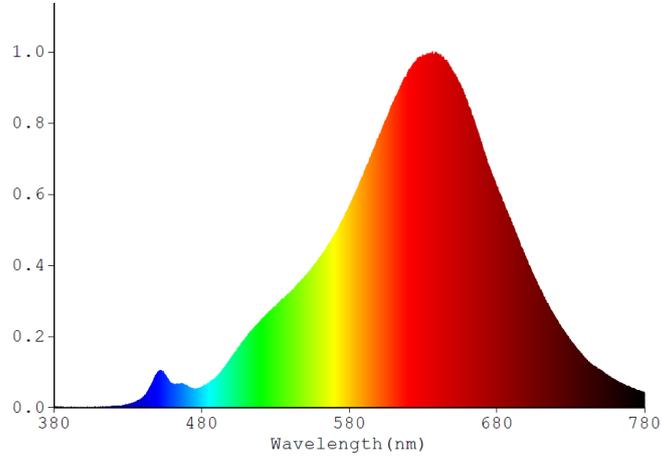
Rinia LED Mini Flex

Top Bend 24V DC 10W/M CRI90+

Luminous Intensity Distribution 2700K

UNIT:cd
C0/180,111.4
C30/210,111.0
C60/240,110.8
C90/270,110.4

AVERAGE BEAM ANGLE(50%):110.9 DEG

Spectrum Wavelength (nm) 2000K

Wavelength(nm)

CRI 2000K

R1	92
R2	95
R3	98
R4	93
R5	92
R6	97
R7	91
R8	80
R9	58
R10	89
R11	95
R12	88
R13	93
R14	97
R15	86

Power Cap - Straight
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

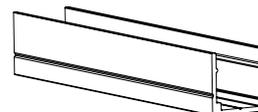**Power Cap - Side Left**
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

Power Cap - Side Right
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

Power Cap - Bottom
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm

End Cap
Width: 12.7mm
Height: 12.7mm
Length: 9.6mm

End Cap
Width: 17.8mm
Height: 17.0mm
Length: 37.5mm

Jumper Connector
Width: 17.8mm
Height: 17.0mm
Length: 45.0mm
Cable: 300mm

Aluminium Clip
Width: 12mm
Height: 12.5mm
Length: 25mm

Aluminium Profile
Width: 12mm
Height: 12.5mm
Length: 100mm

PLEASE NOTE:

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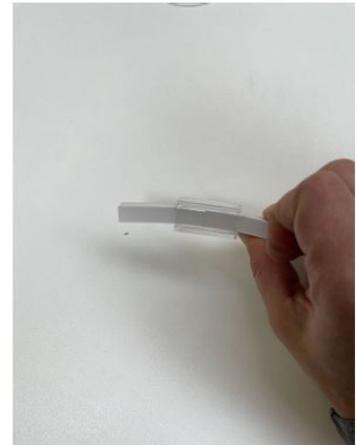
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Step 1: Cut flex tape down to size on the nearest dotted cutting line.
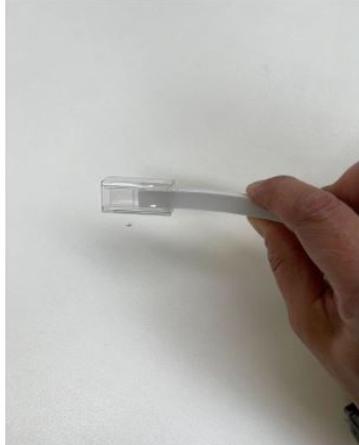
Step 2: Place the clear end cap onto the flex tape. (The side with the groove should be facing upwards, and at the end.)

Step 3: Pull down to make room for other accessories.

Step 4: Place the metal prongs in between the copper and the LED.

Step 5: Place the holding clip in line with the silicone. (The end with the clip facing outwards)

Step 6: Now attach the Join Clip.

Step 7: Press together until clipped in securely.

Step 8: Complete the seal by sliding the clear end cap back until clipped in place.

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