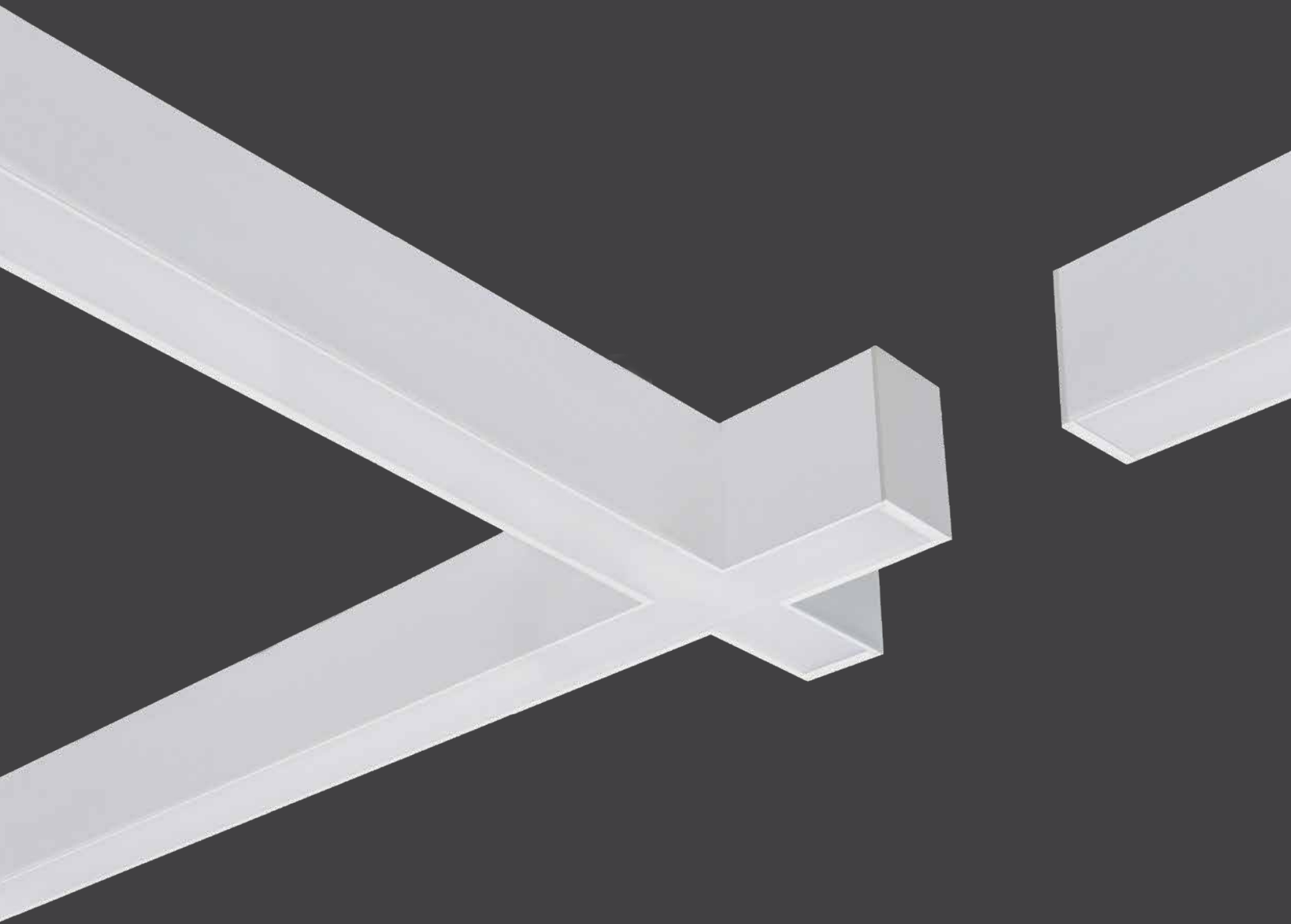


RICOMAN



ESTRELLA
LINEAR LIGHTING SOLUTION

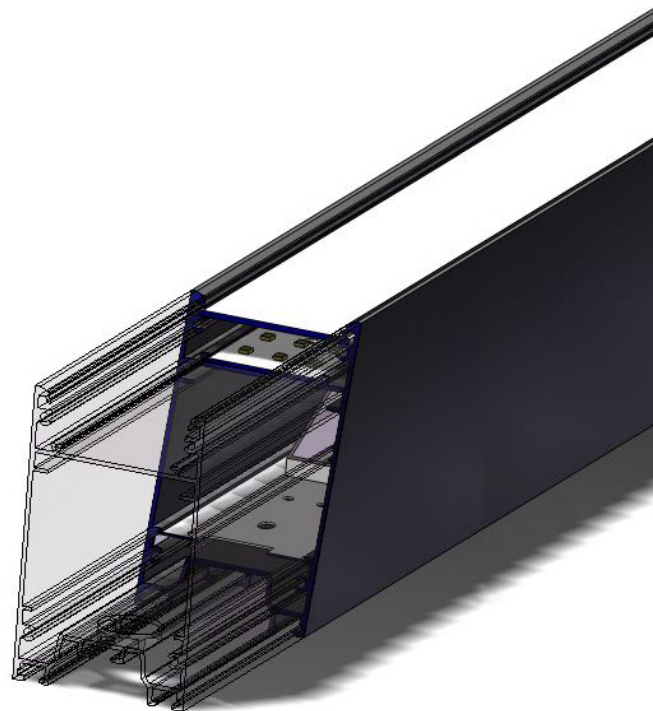


Proudly Made In
Great Britain

Contemporary Design

Flexible Solutions

Intelligent Controls





Where form meets function.

Estrella was specifically designed to achieve both architectural and functional excellence, allowing a seamless design that can be infinitely reconfigured to create a truly unique lighting design. The versatility of Estrella allows a range of lengths and mounting options; including surface mounted, suspended or recessed.

Create uniform, unbroken lines of light in continuous runs by combining a range corner connections and lengths. A choice of lumen outputs and optional bi-directional light distribution allows the ultimate flexibility to create a layout that enhances any environment.

The unparalleled flexibility continues with an optional glare control diffuser, tunable white colour temperature, integral emergency and a range of dimming options.

Your Design.
Your Specification.

Your Estrella.

Finishes:

Matt White
RAL 9016

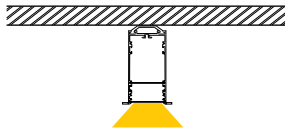


Matt Black
RAL 9017

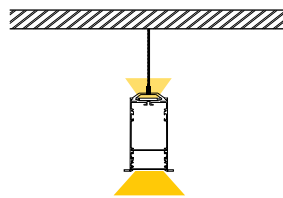


Mounting:

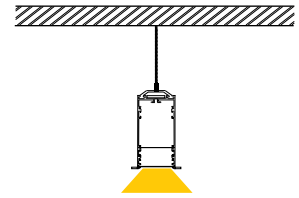
Surface



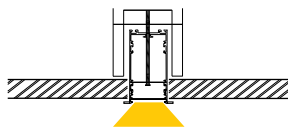
Bi-Directional



Suspended



Recessed



Outputs:

Standard Output

Average 1330 lumens per metre



High Output

Average 2660 lumens per metre



Colour Temperature:

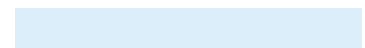
Warm White
3000K



Neutral White
4000K



Cool White
5000K



Tunable White
2500K - 6500K





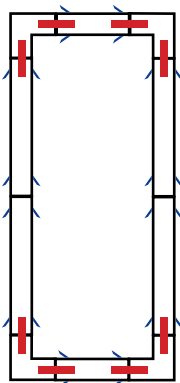
Example 1: Four black suspended standalone 1500mm direct/indirect luminaires, in 4000k with a high output wattage.

Part codes:	Description	Quantity	Key
R312203/BK/4K	1500mm black 4000K 35W	4	
R31-07	Suspension Kit (2pack)	4	

Example 2: Four white surface mounted continuous 1200mm luminaires, in 3000k with a low output wattage.

Part codes:	Description	Quantity	Key
R311102/WT/3K/CON2	1200mm white 3000k 14W Connector out	1	
R311102/WT/3K/CON3	1200mm white 3000k 14W Connector in & out	2	
R311102/WT/ CON1	1200mm white 3000k 14W Connector in	1	
R31-06	Surface mounting kit (2pack)	4	
R31-04/WT	Connection pack in white	3	

Example 3: White recessed rectangle 2686mm x 1186mm luminaire, in 5000k with a high output wattage.



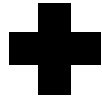
Part codes:	Description	Quantity	Key
R311502/WT/5K/CON2	1200mm white 5000k 28W Connector out	1	
R311502/WT/5K/CON3	1200mm white 5000k 28W Connector in & out	3	
R311501/WT/5K/CON3	900mm white 5000k 20W Connector in & out	1	
R311501/WT/5K/CON1	900mm white 5000k 20W Connector in	1	
R31-15/WT/5K	'L' Connection white 5000K	4	
R31-18	Recessed mounting kit (2pack)	6	
R31-04	Connection pack	8	

Please see all part numbers and descriptions on p10/11.

* Check with a RICOMAN advisor for connection options and customizable lengths which may vary depending on the size of the project

Connections:*

Cross



'T'



'L'



Dimensions:

900mm



1200mm



1500mm



Customizable Length*



Dimming:

DALI



0 - 10 volt



DSI



Controls:

Casambi

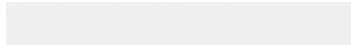


PIR Sensor



Diffusers:

Standard



Low Glare



Options:

Emergency



Infill Plate



Single Power Entry Point



Extras:

Antimicrobial Coating







At a glance.

- Stand alone and continuous modules allow a creative design of continuous light lines
- Mechanical and electrical connection without tools
- Multiple luminaires on a single power entry point
- Light line with direct and indirect light exit options
- Efficiency-boosting technology and optional low glare diffuser to achieve standard-compliant uniform illumination
- Cross, 'T' and 'L' corner pieces are available to connect onto the straight modules to create a truly unique lighting environment.

Components

Built using proven brand components to ensure reliability,

Estrella features high quality, single bin Samsung LEDs with only a 3 Macadam ellipse tolerance verified as:

L70 B50 = 100,000 hours
L80 B50 = 90,000 hours
L90 B50 = 42,000 hours

Optics

Standard output light engines average 1330 lumens per metre

High output light engines average 2660 lumens per metre



Casambi

Controlling light has never been easier. Estrella can be combined with Casambi technology, the leading company behind wireless solutions for lighting control.

Casambi offer a range of wall controls or a simple application that can be downloaded onto a mobile device to manage the entire system. Thanks to the intuitive simplicity of the app anyone can create and manage a lighting network single handedly by controlling every fixture individually or in groups depending on the needs and functions required.

Seamless Connections

The beauty of Estrella is the seamless distribution of light. Endless lines of light are created using a range of connectors include a 'T' shape, a cross and corner pieces. Estrella can be used to aid navigation or as a design feature, however it is used the end result will be elegant and efficacious.

Tunable White

Opting for tunable white technology with Estrella means it is possible to reproduce circadian rhythm illumination cycles. You may also vary the light of a particular space in the course of one day according to different functional needs.

Tunable white is also advantageous when the specification requires a certain shade of white light with a particular spectral composition optimised directly on the object to be lit.



Aluminium Body

The body is constructed from aluminium for increased structural rigidity and its low weight. Depending on the desired effect, the body can be finished in either White (RAL9016) or Black (RAL9017) paint.

Antimicrobial

RICOMAN, in partnership with SteriTouch®, has developed an antimicrobial coating and application process, which will maintain both the efficacy and the aesthetic of a luminaire.

SteriTouch antimicrobial protection offers an excellent additional measure to routine infection control; working 24/7 to resist the growth of microbes. The antimicrobial performance of coated RICOMAN luminaires is verified by independent laboratory testing to the international standards (JIS and ISO) and has been proven to be 99.99% effective against MRSA and E.coli.

Added Glare Control

Estrella is available with a choice of diffusers. The standard diffuser is to be used for general lighting applications, whereas the glare control diffuser has been specifically designed for enhanced glare control.

LG7 compliance schemes would require an improved level of glare control and would provide an opportunity to specify our glare control diffuser.

Recessed

Continuous or stand alone linear recessed lighting system with opal or glare control diffuser. Outstanding optical performance from high performance Samsung LED modules delivering superb light distribution with standard or high output light engines. Continues lines or angles of light – as RICOMAN's Estrella Recessed range.

Order Code	Size	Watts	Lumens	Dimensions	Body Colour
R311501/WT/4K	900mm	20W	2400	L916 x W66 x H83mm	White RAL9016
R311501/BK/4K	900mm	20W	2400	L916 x W66 x H83mm	Black RAL9011
R311504/WT/4K	900mm	10W	1200	L916 x W66 x H83mm	White RAL9016
R311504/BK/4K	900mm	10W	1200	L916 x W66 x H83mm	Black RAL9011
R311502/WT/4K	1200mm	28W	3360	L1216 x W66 x H83mm	White RAL9016
R311502/BK/4K	1200mm	28W	3360	L1216 x W66 x H83mm	Black RAL9011
R311505/WT/4K	1200mm	14W	1680	L1216 x W66 x H83mm	White RAL9016
R311505/BK/4K	1200mm	14W	1680	L1216 x W66 x H83mm	Black RAL9011
R311503/WT/4K	1500mm	35W	4200	L1516 x W66 x H83mm	White RAL9016
R311503/BK/4K	1500mm	35W	4200	L1516 x W66 x H83mm	Black RAL9011
R311506/WT/4K	1500mm	18W	2160	L1516 x W66 x H83mm	White RAL9016
R311506/BK/4K	1500mm	18W	2160	L1516 x W66 x H83mm	Black RAL9011
R31-14/WT/4K	'+' Connector	9W	1152	L258 x W258 x H83mm	White RAL9016
R31-14/BK/4K	'+' Connector	9W	1152	L258 x W258 x H83mm	Black RAL9011
R31-15/WT/4K	'L' Connector	4W	576	L133 x W133 x H83mm	White RAL9016
R31-15/BK/4K	'L' Connector	4W	576	L133 x W133 x H83mm	Black RAL9011
R31-16/WT/4K	'T' Connector	7W	864	L258x W158 x H83mm	White RAL9016
R31-16/BK/4K	'T' Connector	7W	864	L258x W158 x H83mm	Black RAL9011

Simplicity

Continuous or stand alone linear LED linear lighting system which can be suspended or surface mounted. Opal or glare control diffuser. Outstanding optical performance from high performance Samsung LED modules superb light distribution with standard or high output light engines. Continuous lines or angles of light – as RICOMAN's Estrella Simplicity range.

Order Code	Size	Watts	Lumens	Dimensions	Body Colour
R311101/WT/4K	900mm	20W	2400	L906 x W50 x H83mm	White RAL9016
R311101/BK/4K	900mm	20W	2400	L906 x W50 x H83mm	Black RAL9011
R311104/WT/4K	900mm	10W	1200	L906 x W50 x H83mm	White RAL9016
R311104/BK/4K	900mm	10W	1200	L906 x W50 x H83mm	Black RAL9011
R311102/WT/4K	1200mm	28W	3360	L1206 x W50 x H83mm	White RAL9016
R311102/BK/4K	1200mm	28W	3360	L1206 x W50 x H83mm	Black RAL9011
R311105/WT/4K	1200mm	14W	1680	L1206 x W50 x H83mm	White RAL9016
R311105/BK/4K	1200mm	14W	1680	L1206 x W50 x H83mm	Black RAL9011
R311103/WT/4K	1500mm	35W	4200	L1506 x W50 x H83mm	White RAL9016
R311103/BK/4K	1500mm	35W	4200	L1506 x W50 x H83mm	Black RAL9011
R311106/WT/4K	1500mm	18W	2160	L1506 x W50 x H83mm	White RAL9016
R311106/BK/4K	1500mm	18W	2160	L1506 x W50 x H83mm	Black RAL9011
R31-01/WT/4K	'+' Connector	9W	1152	L250 x W250 x H83mm	White RAL9016
R31-01/BK/4K	'+' Connector	9W	1152	L250 x W250 x H83mm	Black RAL9011
R31-02/WT/4K	'L' Connector	4W	576	L125 x W125 x H83mm	White RAL9016
R31-02/BK/4K	'L' Connector	4W	576	L125 x W125 x H83mm	Black RAL9011
R31-03/WT/4K	'T' Connector	7W	864	L250x W150 x H83mm	White RAL9016
R31-03/BK/4K	'T' Connector	7W	864	L250x W150 x H83mm	Black RAL9011

Up

Continuous or stand alone suspended LED linear lighting system. Opal or glare control diffuser. Outstanding optical performance from high performance Samsung LED modules delivering direct/indirect light distribution with standard or high output light engines. Continues lines or angles of light – as RICOMAN's Estrella Up range.

Order Code	Size	Watts	Lumens	Dimensions	Body Colour
R312201/WT/4K	900mm	20W +5W	2400	L906 x W50 x H83mm	White RAL9016
R132201/BK/4K	900mm	20W +5W	2400	L906 x W50 x H83mm	Black RAL9011
R312204/WT/4K	900mm	10W +2W	1200	L906 x W50 x H83mm	White RAL9016
R312204/BK/4K	900mm	10W +2W	1200	L906 x W50 x H83mm	Black RAL9011
R312202/WT/4K	1200mm	28W +7W	3360	L1206 x W50 x H83mm	White RAL9016
R312202/BK/4K	1200mm	28W +7W	3360	L1206 x W50 x H83mm	Black RAL9011
R312205/WT/4K	1200mm	14W +3W	1680	L1206 x W50 x H83mm	White RAL9016
R312205/BK/4K	1200mm	14W +3W	1680	L1206 x W50 x H83mm	Black RAL9011
R312203/WT/4K	1500mm	35W +10W	4200	L1506 x W50 x H83mm	White RAL9016
R312203/BK/4K	1500mm	35W +10W	4200	L1506 x W50 x H83mm	Black RAL9011
R312206/WT/4K	1500mm	18W +5W	2160	L1506 x W50 x H83mm	White RAL9016
R312206/BK/4K	1500mm	18W +5W	2160	L1506 x W50 x H83mm	Black RAL9011

Options

Suffix	Description
/E	3 Hour Emergency
/PIR	PIR Sensor
/DD	DALI Dimming
/DL	0-10 Volt dimming
/DSI	DSI Dimming
/AM-PC	Antimicrobial Powder Coating
/LU	Low Glare Diffuser
/CC	Cassambi
/TW	Tunable White 2500K- 6500K
/3K	3000 Kelvins
/4K	4000 Kelvins
/5K	5000 Kelvins

Part Code	Description
R31-18	Recessed Clips (Pack of 2)
R31-04/WT	Simplicity/Up Connection Pack White
R31-04/BK	Simplicity/Up Connection Pack Black
R31-06	Simplicity Surface Mounting Clips (Pack of 2)
R31-07	Simplicity/Up Suspension Kit (Pack of 2)
R31-10	100mm Infill Plate

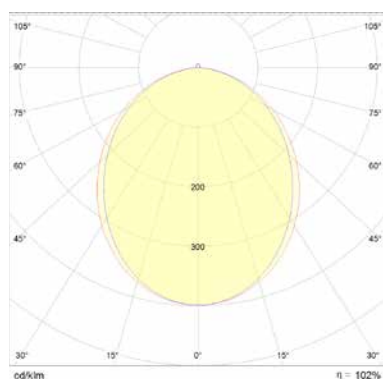
Technical

To Specify State: Continuous or stand alone linear LED linear lighting system. Recessed, Suspended or surface mounted. Opal or glare control diffuser. Superb optical performance from high performance Samsung LED modules delivering direct/indirect light distribution with standard or high output light engines. Continues lines or angles of light – as RICOMAN's Estrella range.

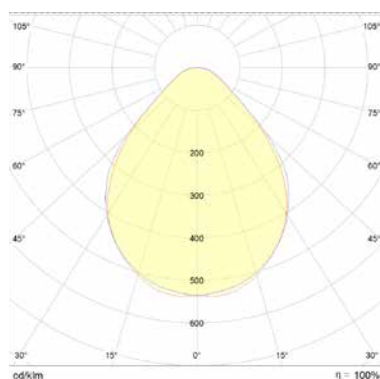
Technical Data	
Efficacy	~120Lm/W
Operating Temperature	-20°C to +45°C
Beam Angle	120°
Operating Hours	>50000
CRI	>80
IP Rating	IP20
IK Rating	IK08
Dimming	Options available
SDCM Value	< 3

Technical Data	
Applications	Interior
Warranty	5 years
Certification(s)	CE, RoHS
Colour Finish	White (RAL9016) Black (RAL9017)
Construction Material	Aluminium
Diffuser Type	Polycarbonate

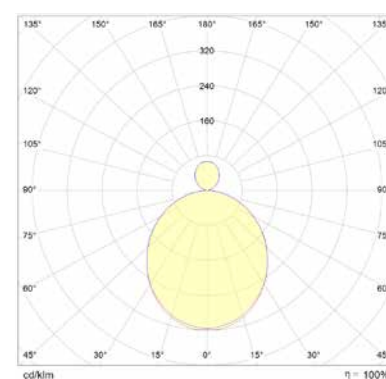
Estrella Simplicity 0.9M 20W



Estrella Simplicity 0.9M 20W
Glare Control Diffuser



Estrella Up 0.9M 20W



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