

SPARTAN LINEAR

SPECIFICATION GUIDE



Use our Linear Specification guide to help you choose the perfect SPARTAN Linear for your new or existing project. Navigate through each section of the guide to build your core product along with any additional options required. Finally, bring everything together with our handy product code builder to generate your final ordering code.

1 Core Product Selector

Certification	Zone 1/21				Zone 2/22				Industrial			
	34W 2,500 lumens Size: 2ft		68W 5,000 lumens Size: 4ft		34W 3,400 lumens Size: 2ft		68W 6,800 lumens Size: 4ft		34W 3,400 lumens Size: 2ft		68W 6,800 lumens Size: 4ft	
Power	N		Y		N		Y		N		Y	
Intelligent Emergency	N		Y		N		Y		N		Y	
Raytec Specification	SPARTAN Zone 1/21 WL84 	SPARTAN Zone 1/21 WL84, Intelligent Emergency 	SPARTAN Zone 1/21 WL168 	SPARTAN Zone 1/21 WL168, Intelligent Emergency 	SPARTAN Zone 2/22 WL84 	SPARTAN Zone 2/22 WL84, Intelligent Emergency 	SPARTAN Zone 2/22 WL168 	SPARTAN Zone 2/22 WL168, Intelligent Emergency 	SPARTAN Industrial WL84 	SPARTAN Industrial WL84, Intelligent Emergency 	SPARTAN Industrial WL168 	SPARTAN Industrial WL168, Intelligent Emergency

Other Options			
<p>Certification</p> <p>Dust only (Zone 21)</p> <p>C1D2</p> <p>EAC approval</p> <p>Contact Raytec for other certification requirements</p>	<p>Power</p> <p>110-254V</p> <p>18-69V*</p> <p>12V*</p> <p>*not available for emergency variants</p>	<p>LED Colour</p> <p>White Light </p> <p>Green (Safety Shower) </p> <p>Red (Low Wavelength) </p> <p>Amber Wildlife </p>	<p>Wiring</p> <p>Through-wire </p> <p>Loop in/out </p>

2 Retrofit Options

Are You Replacing Existing Fluorescents?

Raytec's standard WL84 and WL168 Linear's are designed as a direct replacement for traditional 2x18W and 2x36W fluorescents, with the same dimensions, fixing centres and cable entries.

We also offer WL84-1200 and WL168-1500 product variants designed to retrofit traditional 2x36W and 2x58W fluorescent fittings, but also provide a significant reduction in energy and running costs thanks to a lower consumption.

Raytec White-Paper
How to Save Money
with Maintenance
Friendly Ex Lighting

Want to Learn More?
Download our White-Paper to learn more about how these products achieve the same light output as traditional fluorescents, but use a fraction of the consumption.

Download

3 Product Code Builder

Now you know which product you need and the options available, all you need now is the final product code!

Variants in bold are standard products and can generally be offered on shorter lead times, or will be readily available through stocking distributors.

Linear's standard specification can be changed by including a suffix to the end of the product code. These are covered in the 'Other Options' table to the right. If adding multiple options, contact Raytec to confirm the final product code.

Example Order Reference: **SPX-WL84-EMX25**

Certification	Product Specification	Intelligent Emergency
<input checked="" type="radio"/> SPX (Zone 1/21, ATEX & IEC Ex)	WL84 (84 LEDs, 2x18W Retrofit)	EMX25 (25% Emergency output)
<input checked="" type="radio"/> SPZ (Zone 2/22, ATEX & IEC Ex)	WL168 (168 LEDs, 2x36W Retrofit)	EMX50 (50% Emergency Output)
<input type="radio"/> SPI (For Industrial non-Ex)	WL84-1200 (84 LEDs, 2x36W Retrofit)	EMX75 (75% Emergency Output)
<small>Dust only and EAC approved products available. Contact Raytec for more information.</small>	WL168-1500 (168 LEDs, 2x58W Retrofit)	EMX100 (100% Emergency Output)

For CID2 products use the SPZ prefix and add '-CID2' to end of code

For standard, non-emergency variants, remove this suffix

WL84-1200

The power and consumption of a standard WL84, in a housing to retrofit existing 2x36W fluorescents.



WL168-1500

The power and consumption of a standard WL168, in a housing to retrofit existing 2x58W fluorescents.



Find both of these product variants included in the product code builder!

Other Options		
<p>Input Voltage 110-254V AC as standard</p> <p>-LV (18-48V AC/DC)* -ELV (12V AC/DC)* <small>* Not available with emergency variants</small></p>	<p>LED Colour and CCT 6000K - standard</p> <p>-4K (4000K) -3K (3000K) -G (Green - Safety Shower) -R (Red - Low Wavelength) Amber (Wildlife Friendly) - contact Raytec</p>	<p>Cable Entries M20 as standard (ATEX variants) 3/4 NPT as standard (CID2 variants)</p> <p>-M25 (M25 entries)</p>
<p>Wiring Through-wired as standard</p> <p>-LL (Loop-in/out)</p>	<p>Lens Options Clear polycarb as standard</p> <p>-D (diffused polycarb) -DD (double diffused polycarb)</p>	<p>CID2 -CID2 (CID2 approved)</p> <p><small>CID2 units must use the 'SPZ' prefix</small></p>
<p>Temperature Rating T4 as standard</p> <p>-T6 (T6 rated)</p>		

Can't find what you need?

We pride ourselves on flexibility and being able to meet the many demands of our customers. If you have a special requirement, and can't see it listed on this part code builder, give us a call and chat to one of our hazardous area experts to discuss how we can help.