



BSG CCX ENERGY KITS

COIL SIZING REFERENCE

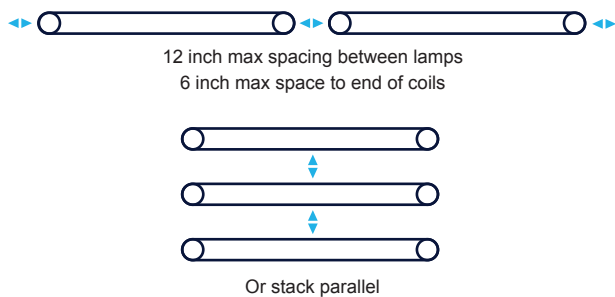
CCX ENERGY UV lamp selection

1. Determine the height and width of the coil to be irradiated
2. Use this chart to determine the number of **CCX ENERGY kits** and size of lamps needed for proper coverage of the coil
3. For coil sizes not listed, please use the table below for conservative estimation or contact your BSG representative for a detailed calculation

Sizing chart

The actual coil dimensions may require choosing a similar charted size. The following guidelines will help with selecting a suitable configuration. If a precise calculation is desired, please contact your BSG representative.

	H - Horizontal Orientation (as priority)											V - Vertical Orientation (only use if the space requires it)		
	Lamp sizings													
	(in)	22-23	24-31	32-39	40-47	48-55	56-61	62-71	72-81	82-97	98-107	108-119	120-144	(in)
— Horizontally oriented where possible	120-144	4x18H	4x18H	4x24H	3x36H	4x36H	3x48H	4x48H	3x64H	4x64V	4x64V	6x48H	6x64H	120-144
— Max 36 inches between parallel (stacked) lamps	108-119	3x18H	4x18H	4x24H	3x36H	3x36H	3x48H	4x48H	3x64H	4x48V	4x48H	6x36V	6x48V	108-119
— Max 12 inches between end to end lamps	98-107	3x18H	3x18H	3x24H	3x36H	3x36H	3x48H	3x48H	3x64H	4x48V	4x48H	4x48V	4x64H	98-107
— Max 6 inches from the end of the lamp to the edge of the coil	82-97	3x18H	3x18H	3x24H	3x36H	3x36H	2x48H	3x48H	3x64H	4x36H	4x48H	4x48H	4x64V	82-97
— Install lamps 6-18 inches from the coil surface; 12 inches is optimal	72-81	2x18H	3x18H	3x24H	2x36H	3x36H	2x48H	3x48H	2x64H	3x64V	3x64V	3x64V	3x64V	72-81
— No Overlapping Lamps	62-71	2x18H	3x18H	3x24H	2x36H	3x36H	2x48H	3x48H	3x48V	3x48V	3x48V	4x48V	4x48V	62-71
— Lamp must fit in range indicated, if not select smaller lamp	56-61	2x18H	2x18H	2x24H	2x36H	2x48H/V	2x48H	2x48H	2x48V	2x48V	3x48V	3x48V	3x48V	56-61
— 300 Microwatts/cm ² target	48-55	2x18H	2x18H	2x24H	2x36H	2x36H	2x48H/V	3x36V	3x36V	3x36V	3x36V	3x36V	4x36V	48-55
	40-47	2x18H	2x18H	2x24H	2x36H	2x36H	2x36V	2x36V	2x36V	3x36V	3x36V	3x36V	3x36V	40-47
	32-39	2x18H	2x18H	2x24H	2x24V	2x24V	2x24V	3x24V	3x24V	3x24V	3x24V	4x24V	4x24V	32-39
	24-31	1x18H	2x18H	2x18V	2x18H	2x18V	2x18V	3x18V	3x18V	3x18V	3x18V	4x18V	4x18V	24-31
	22-23	1x18H	1x18V	2x18V	2x18H	2x18H	2x18V	2x18V	2x18V	3x18V	3x18V	3x18V	4x18V	22-23



CCX ENERGY UV lamp selection

	Lamp size (in)				
	18	24	36	48	61
Power required for 1 lamp (w)	50	67	87	120	155
Power required for 2 lamps (w)	100	134	174	240	310

Note: These configurations are typical for coil surface disinfection only. Any airborne disinfection application must be specifically sized by your BSG representative.

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