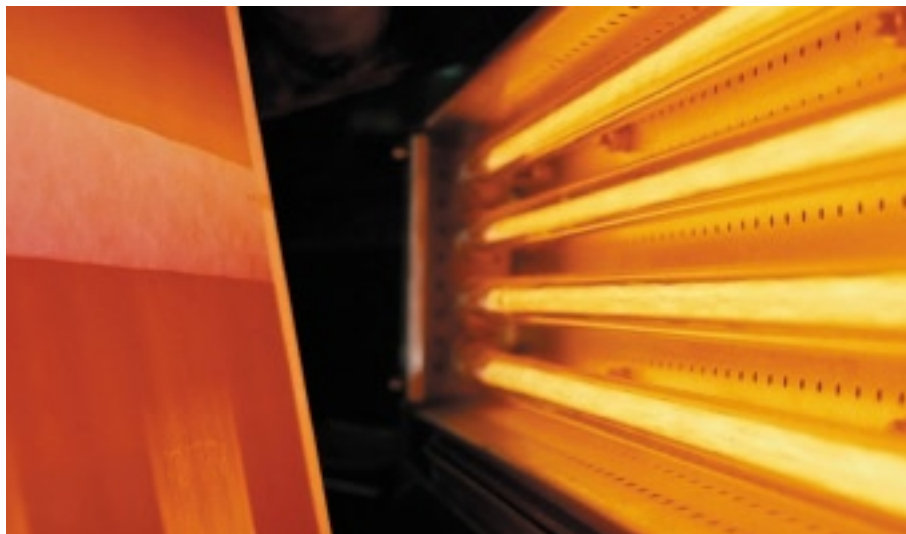


Round Tube Emitters



For many applications, an infrared emitter consisting of just a heating element in a quartz tube is the perfect choice. Such emitters are, in the main, shorter than twin tubes. Obviously, round tube emitters can also be fitted with a gold reflector.

Halogen short wave (NIR) radiation

is provided by halogen infrared emitters with a spectrum in the near infrared region, a maximum power density of 1 MW per square metre and very fast response times. These emitters are manufactured in top quality quartz glass and are conventionally round tubes. An optional gold reflector can virtually double the amount of effective radiation drop out on the product.

Halogen Short Wave/NIR



Carbon round tube



Technical data

Carbon round tube IR emitter	
Max. specific power W/cm	40
Max. heated length mm	1500
Cross-section mm	19
Filament temperature °C	1200
Peak wavelength μm	2
Max. specific power kW/m ²	100
Response time s	1–2

Round tube standard emitters

	Power [Watts]	Voltage [Volts]	Heated length [mm]	Total length [mm]	Diameter [mm]	Item number
Carbon round tube emitter (without gold reflector)						
	1000	57,5	300	430	19	45132877
	2000	115	600	730	19	45132876
Carbon round tube emitter (with gold reflector)						
	1000	57,5	300	430	19	45132828
	2000	115	600	730	19	45132833
	4000	200	1000	1145	19	45134446
Short wave round tube (without gold reflector)						
	500	115	120	270	10	09741010
	1000	230	290	415	10	09741020
	3000	400	640	800	10	09741030

Clamp and holding springs

Every infrared emitter needs a clamping- and holding-spring to ensure that the emitter is held correctly. For further information please contact us!

	Tube format mm	Dimensions mm					Item number
		a	b	c	d	M	
Spring holder	10	10	10	20	25	4	09 759 292
	19	19	19	25	30	6	45 106 267
Clamp holder	10	10	10	20	25	4	09 759 293
	19	19	19	25	30	6	45 106 266

