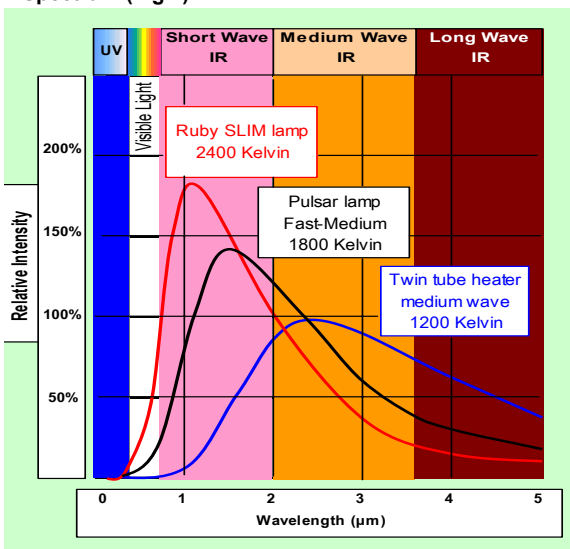


Infrared Ruby SLIM Lamp



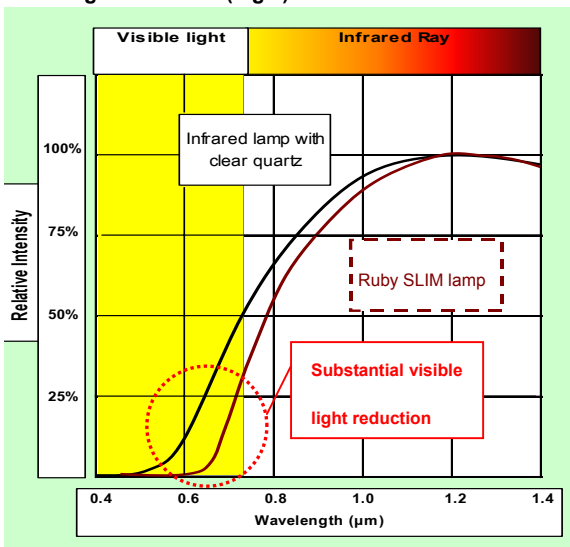
TOSHIBA new infrared Ruby SLIM lamps comprise finely coiled tungsten filament surrounded directly by 10mm diameter Ruby quartz tube. Thanks to the narrower diameter (10mm) than that of classical Ruby sleeve (20mm) type, size of your reflector and/or module can be more compactly designed and infrared heat is more efficiently transferred, whilst reducing visible glare (- see Fig 2). As no coating on surface of the glass tube, this lamp brings you no peeling trouble to realize unchangeable low glare over lifetime. TOSHIBA new infrared Ruby SLIM lamp gives benefits of:

Spectrum (Fig.1)



- Low glare stabilization (No peeling trouble): thanks to the technology without surface coating, low glare can steadily maintain over lifetime.
- Long life: 5000h on average
- High speed: within a second to switch on.
- High efficiency: more than 85% heat efficiency of full power
- High power density: up to 74 W / cm
- High controllability: neither ballast nor special circuits are necessary for basic usage.
- No air draughts: because of radiation (similar to solar energy)
- Clean and odorless: no risk of contamination over environment or target object to be heated.
- Extensive assortment: many types of voltage, wattage, length, base, wire-harnesses and universal burning position are available.
- Flexible: special lamp designing service on demand is available.

Visible light reduction (Fig.2)



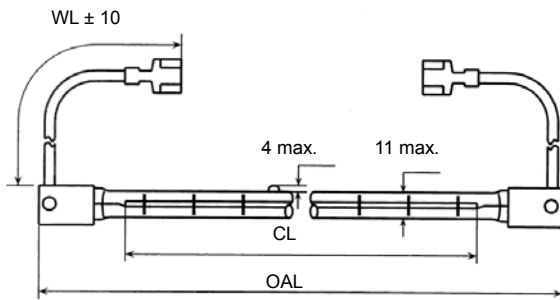
Application areas

- Paint drying in body shop
- Breeding animals
- Coil coating
- Outdoor and indoor space heating

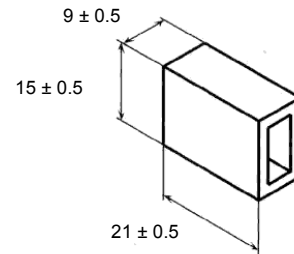
And various kind of industrial heating processes

Type1

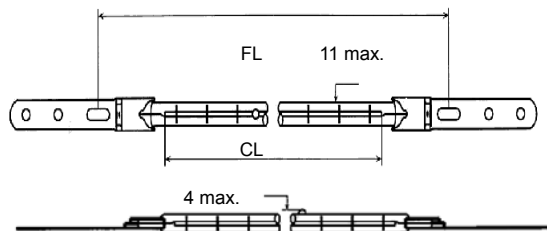
*Wire harness is protected by insulation tube



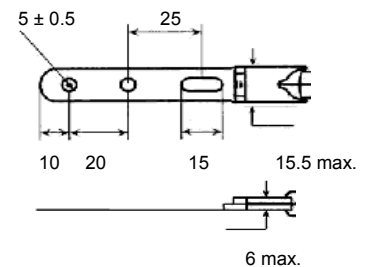
Base dimensions for Type 1



Type2



Metal clip dimensions for Type 2



Part list

Part code	Volts (V)	Watts (W)	Drawing	Wire length WL(mm)	Connection terminal end	Overall length OAL (mm)	Fixation length FL (mm)	Heating length CL (mm)	Burning position	Ave. Life	Ordering code
Standard											
JHQ 235V 1000W 280 BfH	230 - 240	1000	TYPE1	300 ± 10	Faston	352 ± 2	-	280	Horizontal	5000	2JHRQ018
JHQ 235V 1000W 280 JU	230 - 240	1000	TYPE2	-	-	-	370 ± 10	280	Universal	5000	EM-380
JHQ 235V 1500W 280 BfH	230 - 240	1500	TYPE1	300 ± 10	Faston	352 ± 2	-	280	Horizontal	5000	2JHRQ019
JHQ 235V 2000W 280 BfH	230 - 240	2000	TYPE1	300 ± 10	Faston	352 ± 2	-	280	Horizontal	5000	EM-491
JHQ 235V 2000W 280 BfU	230 - 240	2000	TYPE1	900 ± 10	End-stripped	352 ± 2	-	280	Horizontal	5000	EM-316
JHQ 235V 2000W 280 JU2	230 - 240	2000	TYPE2	-	-	-	370 ± 10	280	Universal	5000	EM-381
JHQ 400V 2000W 410 JU1	230 - 240	2000	TYPE2	-	-	-	508 ± 10	410	Universal	5000	EM-382
JHQ 400V 3000W 700 JU	230 - 240	3000	TYPE2	-	-	-	798 ± 10	700	Universal	5000	EM-383
Ultra low glare											
JHR 235V 1000W 280 BfH	230 - 240	1000	TYPE1	300 ± 10	Faston	352 ± 2	-	280	Horizontal	5000	JHR001
JHR 235V 1000W 280 JU	230 - 240	1000	TYPE2	-	-	-	370 ± 10	280	Universal	5000	JHR002
JHR 235V 1500W 280 BfH	230 - 240	1500	TYPE1	300 ± 10	Faston	352 ± 2	-	280	Horizontal	5000	JHR003
JHR 400V 2000W 410 JU1	230 - 240	2000	TYPE2	-	-	-	508 ± 10	410	Universal	5000	EM-91
JHR 400V 3000W 700 JU	230 - 240	3000	TYPE2	-	-	-	798 ± 10	700	Universal	5000	JHR004

TOSHIBA Lighting Products (France) S.A. Paris Sales & Marketing Office

Contents to change without notice

120, rue Jean-Jaures 92300 Levallois-Perret France

Phone + 33 (0) 1 70 98 77 29 Fax + 33 (0) 1 70 98 77 44

commercial-tlf@wanadoo.fr

www.toshiba-lighting.fr