

TOSHIBA LIGHTING PRODUCTS (FRANCE) S.A

SMF Germany

Specifications for InfraRed

Halogen Heater Lamp

JHS 240V 2500W 675 BfH

EM-983

Date: 06-12-06

CUSTOMER AGREEMENT

Section	Engineering	Quality
Date	06-12-06	06-12-06
	DEMANGEON Olivier	DIDIER Benoit
Signature	Runders	

EM-983-00

TOSHIBA

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Cau	Caution		In order to keep the quartz tube in good condition, do not handle
-	Use infrared heater lamp(s) with approved appliances with safety		infrared heater lamp(s) tube with bare hands. Use clean cloth
	structure as well as safety devices.		impregnated with ethyl alcohol to wipe spot gently, if necessary
-	Avoid over voltage situation (cause of short lifetime and fire).		(cause of short lifetime).
-	Do not place an operating infrared heater lamp(s) close to	-	Infrared heater lamp(s) shall be fixed and retained firmly inside
	flammable materials (cause of fire).		appliances (cause of drop and breakage).
-	Ensure the power supply is disconnected before accessing the	-	Do not exceed permissible temperature of the wire-harnesses
	infrared heater lamp(s) in alliances (caused of electric shock).		mounted on infrared heater lamp(s).
-	Do not drop, hit, and stress infrared heater(s) and its	-	Used infrared heater lamp(s) shall be disposed as an industrial
	wire-harnesses mounted with excessive force or vibration, and		waste on the user's responsibility.
	do not scratch infrared heater lamp glasses (cause of injure,		
	breakage and short-circuit).	Noti	ice
-	In case of an infrared heater lamp(s) being broken, do not handle	-	Consult when infrared heater lamp(s) is to be used in vacuum
	scattered glass fragments with bare hand (cause of injure).		environment.
-	Do not use the infrared heater lamp(s) which is not	-	Consult when infrared heater lamp(s) is to be operated at more
	explosion-proof product(s) under flammable gas or organic		than the recommended voltage in the article 3 (Operating
	solvent environment (cause of explosion, ignition and fire).		infrared heater $lamp(s)$ at a higher than nominal voltage causes a
			blackening on inner wall of glass tube by excess tungsten vapor.
Atte	Attention		Paradoxically however operating lamp at a lower voltage leads to
-	Infrared heater lamp(s) becomes extraordinarily hot to emit		insufficient temperature of optimum value for the filament, and
	strong infrared radiations around their environment during		excess gas may damage the filament. Such operations may
	operation. Ensure safety before the start of the operation.		therefore result to shorten lamp life).
-	Operate the infrared heater lamp(s) inside the nominal voltage	-	Although there is some case to enable to observe a browning on
	and maximum wattage density instructed (cause of short		the both end of infrared heater lamp (s) after use, this
	lifetime).		phenomena does not influence the performance of infrared
-	Follow the infrared heater lamp(s) burning orientation strictly in		heater lamp(s).
	its specifications (cause of short lifetime and fire).	-	The approval from the customer for the specifications, cautions,
-	Never touch infrared heater $lamp(s)$ in operation or even just		attentions and notices for the infrared heater lamp shall be
	after being operated (cause of skin burn).		completed in the date of the customer's signature in the front
-	Do not use infrared heater lamp(s) under water, high humidity or		page or the issued date of order sheet from the customer
	corrosive environment (cause of short lifetime).		whichever occurs first.
-	Do not gaze an operating infrared heater(s) (cause of eye		
	damage).		

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1.	Operating condition	3. Warrantee
	1-1. Temperature at sealing part: Temperature at both sealing	3-1. Warrantee period: One year after the invoiced date to th
	ends (in the quartz glass above the molybdenum foil center) shall	customer.
	be measured with thermo-couple and must not exceed 350°C (to	3-2. Condition of warrantee: In case of infrared heater lamp(s) wit
	avoid a loss of electrical conductivity caused by molybdenum foil	defect (defined as none-conformity to the specifications) i
	oxidation)	returned from the customer, during the warrantee period
	1-2. Temperature at glass tube surface: 250 to 900°C	TOSHIBA Lighting products (France) S.A., will compensate wit
	1-3. Operating atmosphere: Under normal atmosphere pressure,	re-delivering good infrared heater lamp(s). There is no obligation
	without corrosive or explosive or inflammable gas.	the problem happened due to miss-design of appliances includin
2.	Storage environment	safety design, miss-usage or miss handling of the infrared heate
	2-1. Temperature range: -20°C MIN. 70°C MAX.	lamp(s). In case doubts rise up to judge none-conformity to th
	2-2. Humidity range: 10%RH MIN 90%RHMAX without	specifications, both parties shall corporate together to solv
	condensation.	problems.
	2-3. Under normal atmosphere pressure, without corrosive gas.	

Batch code information:

Batch code example A06 Month Code Code Year А 2006 06 Jan Feb В 2007 07 Mar С 2008 08 2009 09 Apr D Е 2010 10 May G 2011 11 June 2012 12 July Н 2013 13 Κ Aug L 2014 14 Sept 2015 15 Oct R 2016 16 S Nov Etc.. U Dec

