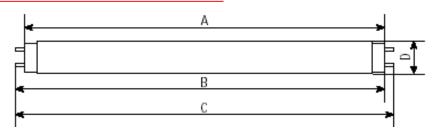


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**G4T5** 



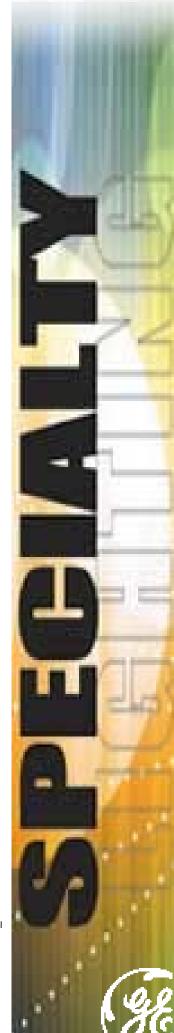
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses mini Bi-pin end caps
- Effective in killing most microorganisms 6000 hours Useful Life

Product Description		G4	IT5	
Product Code		15872		
Case Quantity		2	24	
Physical Characte	eristics			
Bulb Designation			5	
Bulb Material		Soft (	Glass	
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		5.35(135.9)	
Base face to end of opposite base pin (B)	in. (mm)	5.53(140.5)	5.63(143)	
End of base pin to end of opposite pin end (C)	in. (mm)	-	5.91(150.1)	
Bulb Outside Diameter (D)	in. (mm)	0.53(13.5)	0.63(16.0)	
Electrical Charact	eristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	4		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	29		
Nominal Lamp Current at 25° C, 100 hrs	A rms	170		
UV Characteris	stics			
Peak Emission Wavelength	nm	25	3.7	
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	8	.3	
UV Output @ 254 nm, 100 hrs	Watts	_	.8	
Useful Life (80% initial output)	Hours	6,0	000	
Warning				
Lamp emits UV radiation which may cause	eye/skin	injury. RG-	3	
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regul	lations			
DoE regulated (yes/no)		n	10	
Applicable Standards				
ANSI/IESNA		RP-2	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



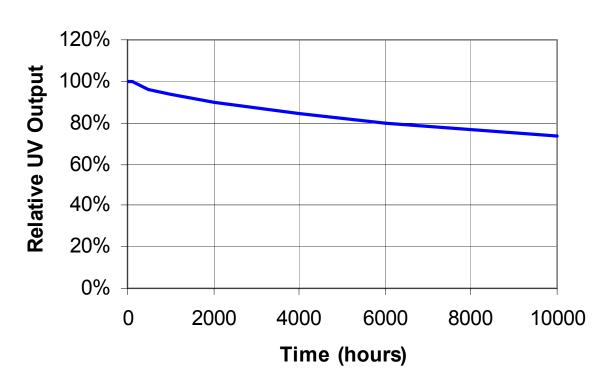
<sup>\*</sup> Values shown are based on preliminary engineering estimates



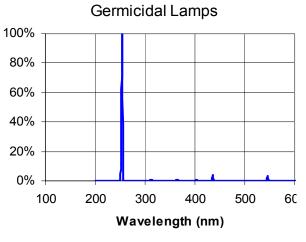
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### **G4T5**

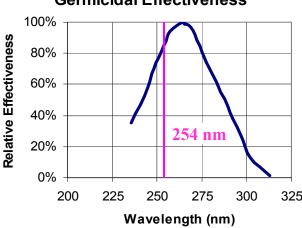
### **UV Maintenance**







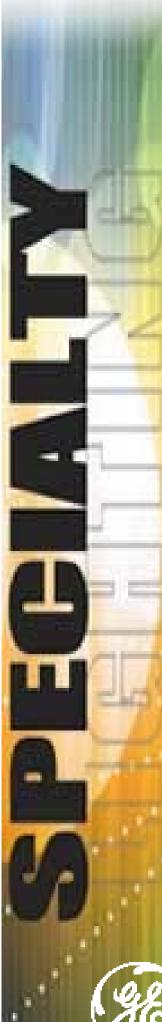
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

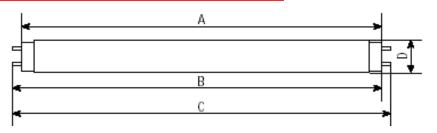
Where applicable, values are based on guidelines published in ANSI.





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**G6T5** 



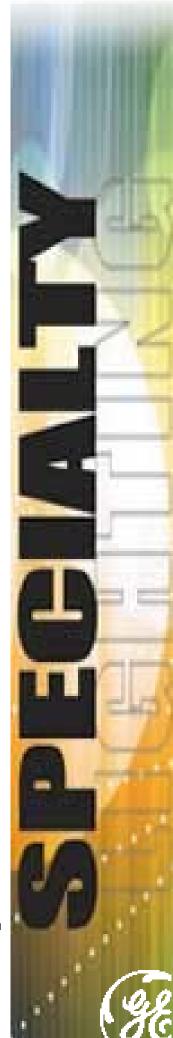
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses mini Bi-pin end caps
- Effective in killing most microorganisms 6000 hours Useful Life

Product Description G6T5				
Product Code		15873		
Case Quantity		2	24	
Physical Characte	eristics			
Bulb Designation T5				
Bulb Material		Soft (	Glass	
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		8.35(212.1)	
Base face to end of opposite base pin (B)	in. (mm)	8.53(216.7)	8.63(219.2)	
End of base pin to end of opposite pin end (C)	in. (mm)		8.91(226.3)	
Bulb Outside Diameter (D)	in. (mm)	0.53(13.5)	0.63(16.0)	
Electrical Charact	eristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	6		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	42		
Nominal Lamp Current at 25° C, 100 hrs	A rms	160		
UV Characteris	stics			
Peak Emission Wavelength	nm	253.7		
Irradiance @ 1m, 254 nm, 100 hrs	$\mu$ W/cm $^2$	17	<b>7</b> .7	
UV Output @ 254 nm, 100 hrs	Watts	1	.7	
Useful Life (80% initial output)	Hours	6,0	000	
Warning				
Lamp emits UV radiation which may cause	eye/skin	injury. RG-	3	
- Avoid exposure of eyes and skin to unsh	ielded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regul	lations			
DoE regulated (yes/no)		n	10	
Applicable Standards				
ANSI/IESNA		RP-27	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

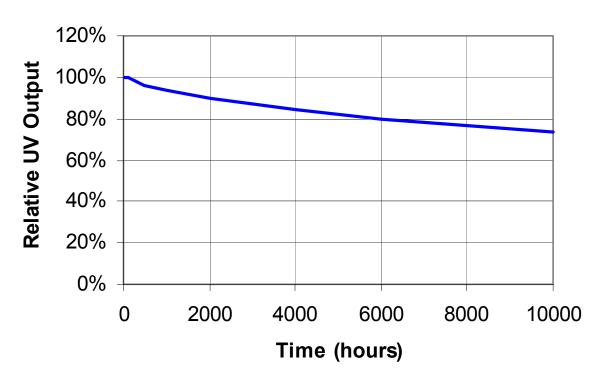


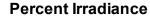


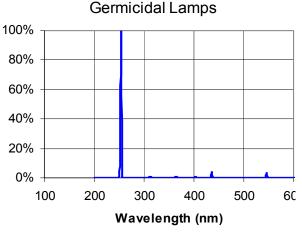
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### **G6T5**

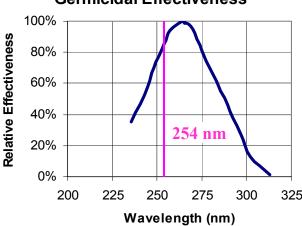
### **UV Maintenance**







### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

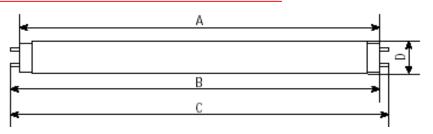
Where applicable, values are based on guidelines published in ANSI.





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**G8T5** 



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses mini Bi-pin end caps
- Effective in killing most microorganisms •7500 hours Useful Life

Product Description		G8	BT5
Product Code		11077	
Case Quantity		2	24
Physical Charac	teristics		
Bulb Designation			5
Bulb Material		Soft (	Glass
Dimensions		Min	Max
Base face to base face (A)	in. (mm)		11.35(288.3)
Base face to end of opposite base pin (B)	in. (mm)	11.53(292.9)	11.63(295.4)
End of base pin to end of opposite pin end (C)	in. (mm)	1	11.91(302.5)
Bulb Outside Diameter (D)	in. (mm)	0.53(13.5)	0.63(16.0)
Electrical Charac	teristics		
Nominal Lamp Power at 25° C, 100 hrs	Watts	8	
Nominal Lamp Volts at 25° C, 100 hrs	V rms	57	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.145	
UV Character	istics		
Peak Emission Wavelength	nm	25	3.7
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>		4*
UV Output @ 254 nm, 100 hrs	Watts	2.	3*
Useful Life (80% initial output)	Hours	7,5	500
Warning			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3	
<ul> <li>Avoid exposure of eyes and skin to unshi</li> </ul>	elded lam	р	
Risk of electric shock			
- Turn power off before inspection, installation or removal			
Applicable Regu	ılations		
DoE regulated (yes/no) no			
Applicable Standards			
ANSI/IESNA RP-27.4-96			

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

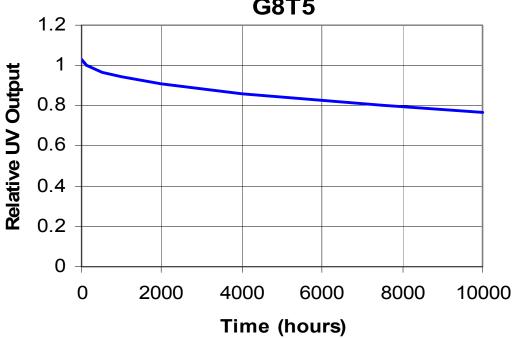




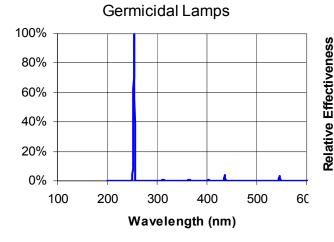
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### **G8T5**

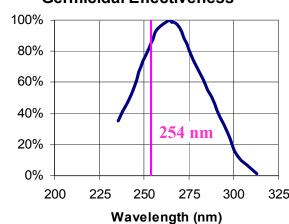




#### **Percent Irradiance**



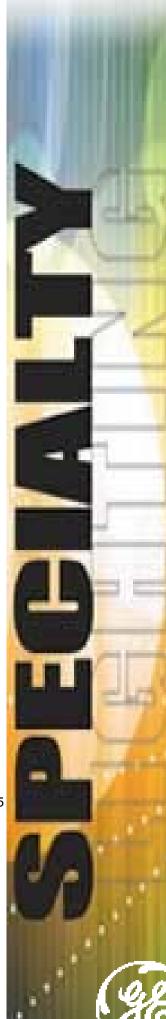
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

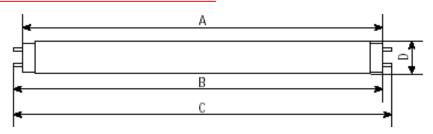
Where applicable, values are based on guidelines published in ANSI.





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**G11T5** 



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses mini Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G1	1T5	
Product Code		29495		
Case Quantity		2	24	
Physical Characte	eristics			
Bulb Designation T5				
Bulb Material		Soft (	Glass	
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		8.35(212.1)	
Base face to end of opposite base pin (B)	in. (mm)	8.53(216.7)	8.63(219.2)	
End of base pin to end of opposite pin end (C)	in. (mm)		8.91(226.3)	
Bulb Outside Diameter (D)	in. (mm)	0.58(14.7)	0.64(16.3)	
Electrical Charact	eristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	11		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	37		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.330		
UV Characteris	stics			
Peak Emission Wavelength	nm	253.7		
Irradiance @ 1m, 254 nm, 100 hrs	$\mu$ W/cm <sup>2</sup>	22	2.9	
UV Output @ 254 nm, 100 hrs	Watts		.2	
Useful Life (80% initial output)	Hours	8,0	000	
Special Characte	ristics			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-	3	
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no) no				
Applicable Standards				
ANSI/IESNA RP-27.4-96				

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



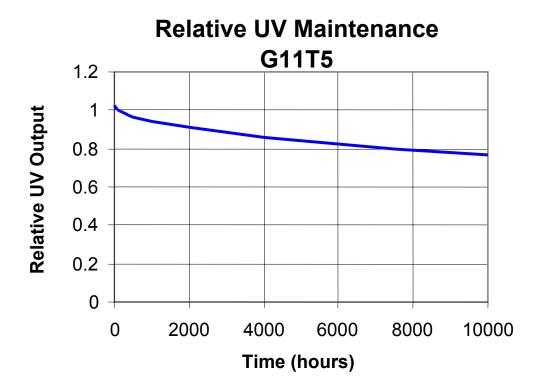
<sup>\*</sup> Values shown are based on preliminary engineering estimates

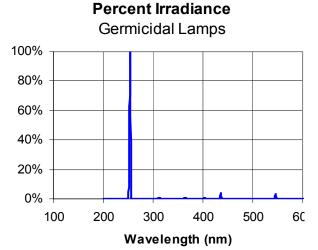


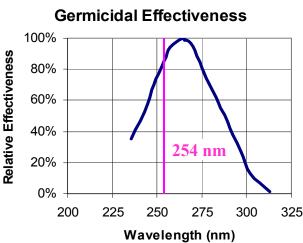
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### **G11T5**







All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

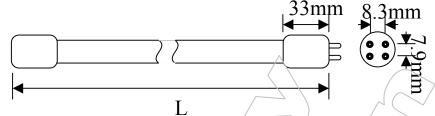
Where applicable, values are based on guidelines published in ANSI.





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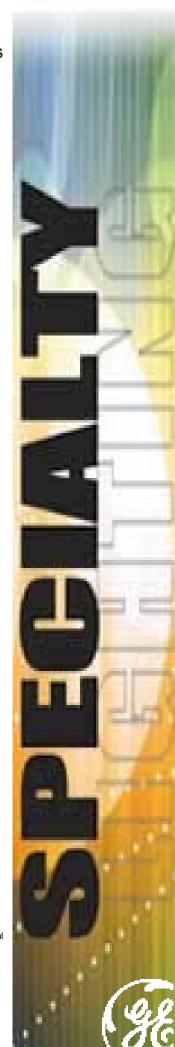
### **Benefits**

- UV output at 254 nm; emits no ozone
- · Effective in killing most microorganisms
- Uses a single 4pin end cap
- 8000 hours Useful Life

		/ // <		
Product Description	()/01	G11T5	/4P/SE	
Product Code		29500		
Case Quantity		24		
Physical Cha	racteristics			
Bulb Designation		7 T	5	
Bulb Material		///   Soft (	Glass	
Dimensions	>	Min	Max	
Base face to base face (L)	in. (mm)	8.66	(220)	
Bulb Outside Diameter (D)	in/(mm)	)	0.63(16.0)	
Electrical Cha	aracteristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	1	1	
Nominal Lamp Volts at 25°C, 100 hrs	Vrms	3	37	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.330		
UV Characteristics				
Peak Emission Wavelength	nm	nm 253.7		
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	cm <sup>2</sup> 22.9		
UV Output @ 254 nm, 100 hrs	Watts	2	.2	
Useful Life (80% initial output)	Hours	8,0	000	
Special Cha	racteristics			
Lamp emits UV radiation which may c	ause eye/skin	injury. RG-	-3	
- Avoid exposure of eyes and skin to	unshielded lam	0		
Risk of electric/shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)		r	10	
Applicable Standards				
ANSI/IESNA		RP-2	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

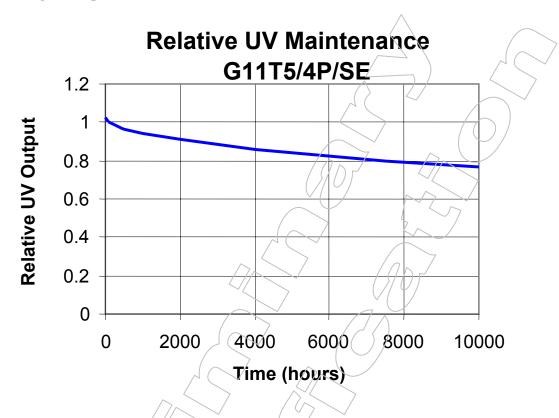


<sup>\*</sup> Values shown are based on preliminary engineering estimates

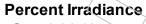


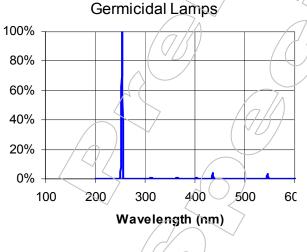
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### **G11T5/4P/SE**

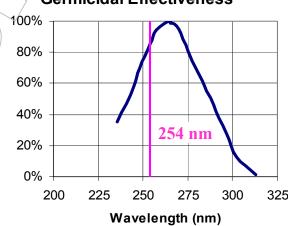


Relative Effectiveness





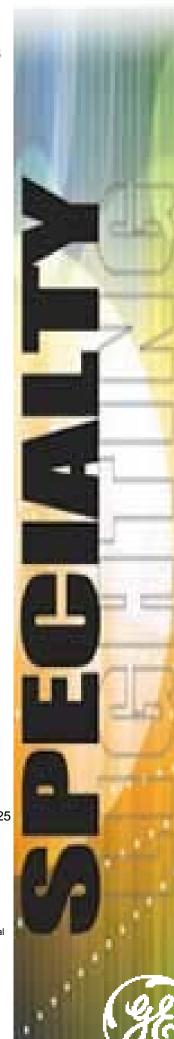
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

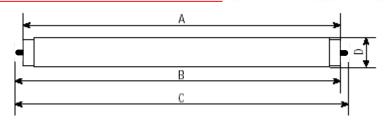
Where applicable, values are based on guidelines published in ANSI.





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**G36T5** 



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses single-pin end caps
- Effective in killing most microorganisms 9000 hours Useful Life

Product Description		G3	6T5	
Product Code 15874		374		
Case Quantity		2	24	
Physical Charac	teristics			
Bulb Designation T5				
Bulb Material		Soft (	Glass	
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		33.37(847.5)	
Base face to end of opposite base pin (B)	in. (mm)	32.89(835.5)	33.72(856.5)	
End of base pin to end of opposite pin end (C)	in. (mm)	-	34.07(865.5)	
Bulb Outside Diameter (D)	in. (mm)	0.53(13.5)	0.63(16.0)	
Electrical Charac	teristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	39		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	107		
Nominal Lamp Current at 25° C, 100 hrs	A rms	425		
UV Character	istics			
Peak Emission Wavelength	nm	25	3.7	
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	10	9.5	
UV Output @ 254 nm, 100 hrs	Watts	1	2	
Useful Life (80% initial output)	Hours	9,0	000	
Warning				
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3		
<ul> <li>Avoid exposure of eyes and skin to unshi</li> </ul>	ielded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)	no			
Applicable Standards				
ANSI/IESNA		RP-27	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



<sup>\*</sup> Values shown are based on preliminary engineering estimates

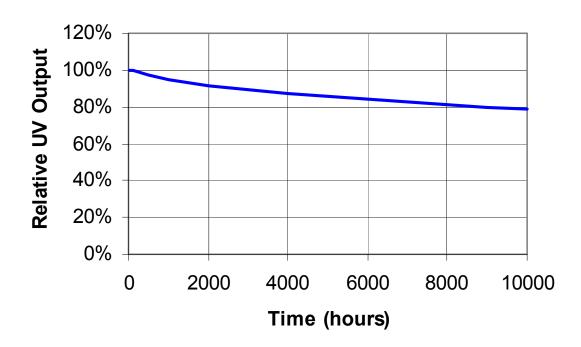


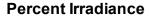
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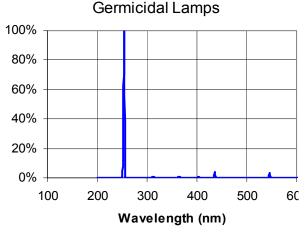
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### **G36T5**

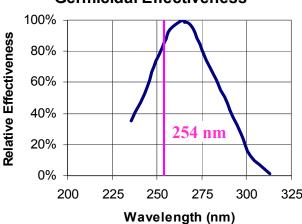
### **UV Maintenance**







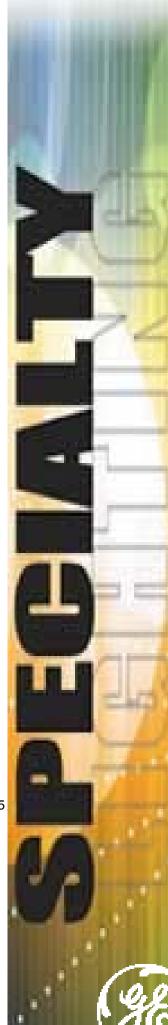
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

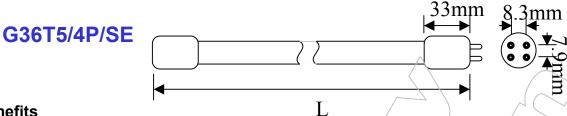
Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

Where applicable, values are based on guidelines published in ANSI.





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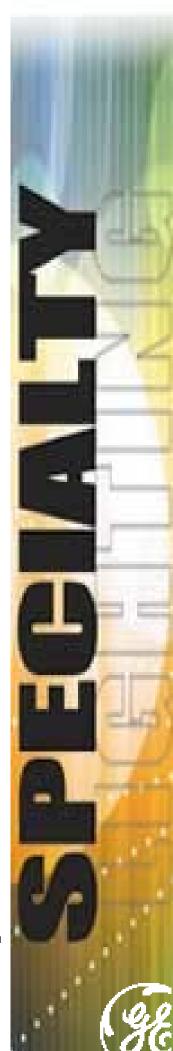
#### **Benefits**

- · UV output at 254 nm; emits no ozone
- · Effective in killing most microorganisms
- · Uses a single 4pin end cap
- 8000 hours Useful Life

	/// /	/ //		
Product Description	()/01	G36T5/4P/SE		
Product Code		29503		
Case Quantity		5	24	
Physical Char	acteristics			
Bulb Designation	$\rightarrow$		T5	
Bulb Material	/ /	///) / Soft	Glass	
Dimensions	V	Min	Max	
Base face to base face (L)	in. (mm)	33.28	(845.4)	
Bulb Outside Diameter (D)	in./(mm)		0.64(16.3)	
Electrical Char	acteristics			
Nominal Lamp Power at 25° C 100 hrs	/ Watts		39	
Nominal Lamp Volts at 25°C, 100 hrs	Vrms	1	15	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.	425	
UV Characteristics				
Peak Emission Wavelength	nm	253.7		
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	10	9.5	
UV Output @ 254/nm/100 hrs	Watts	1	2.0	
Useful Life (80%/initial output)	Hours	9,	000	
Special Chara	cteristics			
Lamp emits UV radiation which may cau	use eye/skin i	njury. RG	-3	
- Avoid exposure of eyes and skin to ur	nshielded lamp	)		
Risk of electric shock				
Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)			no	
Applicable Standards				
ANSI/IESNA RP-27.4-96			27.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

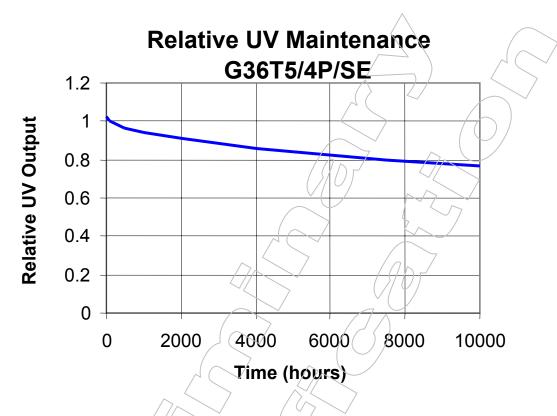


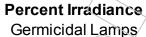
<sup>\*</sup> Values shown are based on preliminary engineering estimates

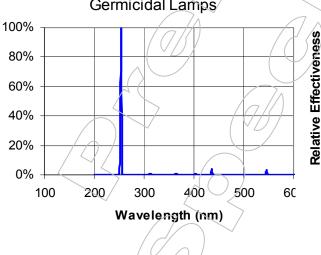


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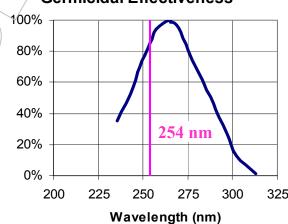
### **G36T5/4P/SE**







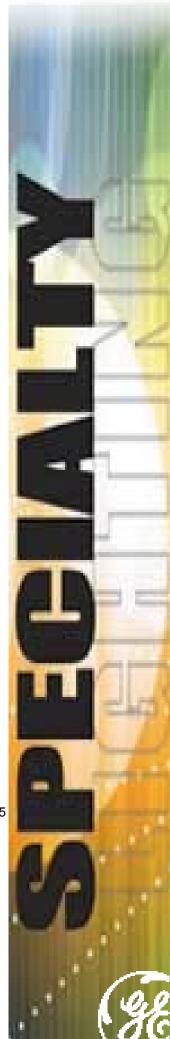
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

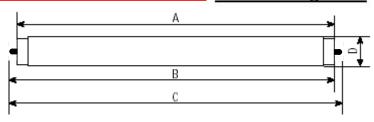
Where applicable, values are based on guidelines published in ANSI.





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**G64T5** 



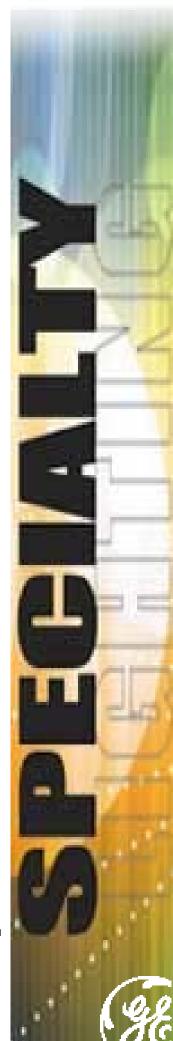
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses single-pin end caps
- Effective in killing most microorganisms 7500 hours Useful Life

Product Description		G64T5		
Product Code		15864		
Case Quantity		2	4	
Physical Chara	cteristics			
Bulb Designation		Т	5	
Bulb Material		Soft (	Glass	
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		61.30(1557)	
Base face to end of opposite base pin (B)	in. (mm)	61.42(1560.1)	61.65(1565.9)	
End of base pin to end of opposite pin end (C)	in. (mm)	,	62.00(1574.8)	
Bulb Outside Diameter (D)	in. (mm)	0.53(13.5)	0.63(16.0)	
Electrical Char				
Nominal Lamp Power at 25° C, 100 hrs	Watts	_	5	
Nominal Lamp Volts at 25° C, 100 hrs	V rms		30	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.425		
UV Characte	eristics			
Peak Emission Wavelength	nm	253	3.7	
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	18	35	
UV Output @ 254 nm, 100 hrs	Watts		8	
Useful Life (80% initial output)	Hours	7,5	500	
Warnin	ıg			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3		
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)	DoE regulated (yes/no) no			
Applicable Standards				
ANSI/IESNA		RP-27	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

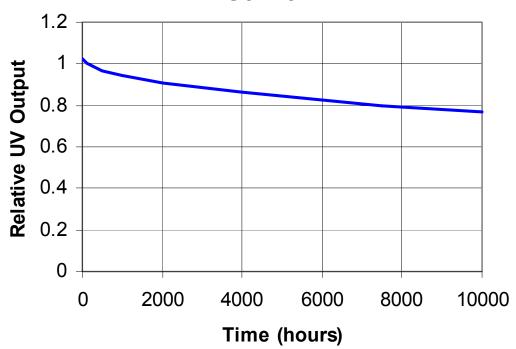




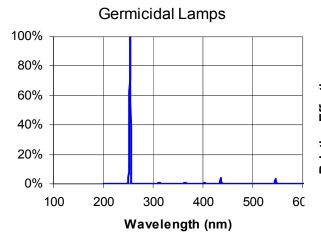
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### **G64T5**

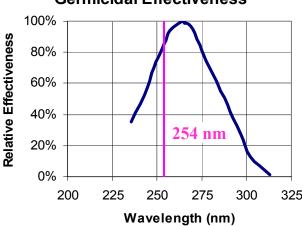
### **Relative UV Maintenance G64T5**



#### **Percent Irradiance**



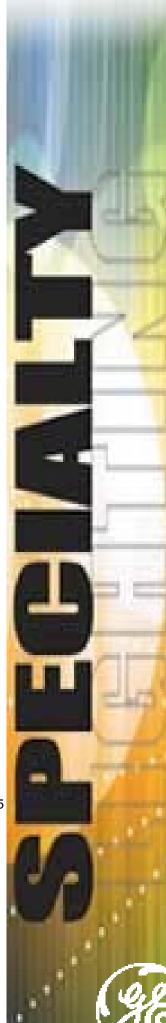
### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

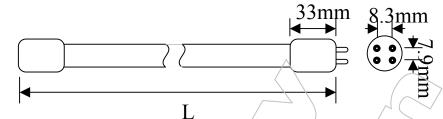
Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

Where applicable, values are based on guidelines published in ANSI.





### **G64T5/4P/SE**



#### **Benefits**

- · UV output at 254 nm; emits no ozone
- Effective in killing most microorganisms
- Uses a single 4pin end cap
- 8000 hours Useful Life

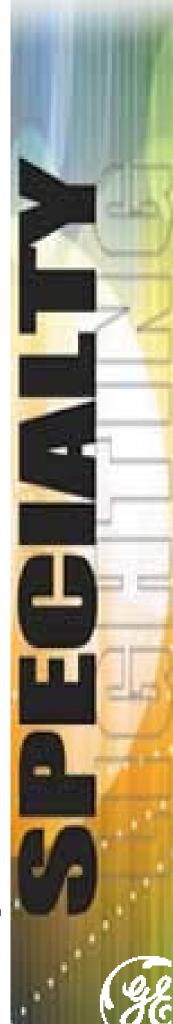
Product Description Product Code Case Quantity	cteristics	//29	/4P/SE 504 24		
	cteristics	2	4		
Dhysical Chars	cteristics	7	/		
Physical Chara			7		
Bulb Designation	<u> </u>				
Bulb Material		Soft (	Glass		
Dimensions		// Min	Max		
Base face to base face (L)	in. (mm)	61.28(	1556.6)		
Bulb Outside Diameter (D)	in. (m/n)		0.64(16.3)		
Electrical Chara	cteristics	) /			
Nominal Lamp Power at 25° C, 100 hrs	Watts	6	35		
Nominal Lamp Volts at 25° C, 100 hrs	// V rms	2	50		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.425			
UV Characte	ristics				
Peak Emission Wavelength	nm	253.7			
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	20	00		
UV Output @ 254 nm, 100 hrs	Watts	25	5.0		
Useful Life (80% initial output)	Hours	9,000			
Specijal/Chara	cteristics				
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3			
- Avoid exposure of eyes and skin to unsh	ielded lamp	)			
Risk of electric shock					
- Turn power off before inspection/installation or removal					
Applicable Regulations					
DoE regulated (yes/no)	DoE regulated (yes/no) no				
Applicable St	andards				
ANSI/IESNA		RP-27	7.4-96		

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potential t.

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.



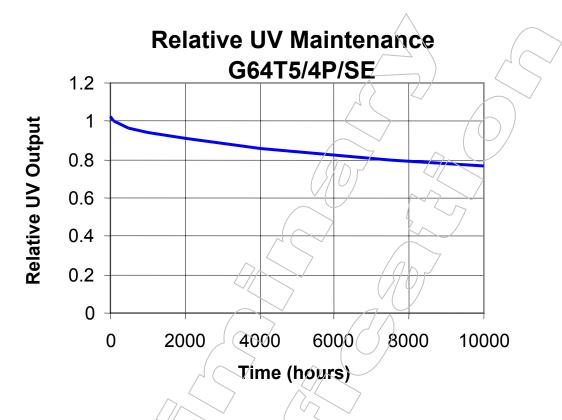
<sup>\*</sup> Values shown are based on preliminary engineering estimates

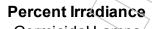


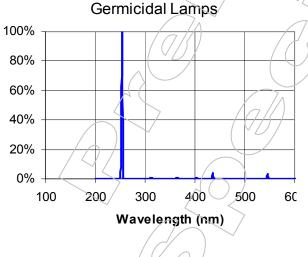
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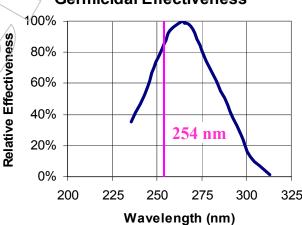
### **G64T5/4P/SE**







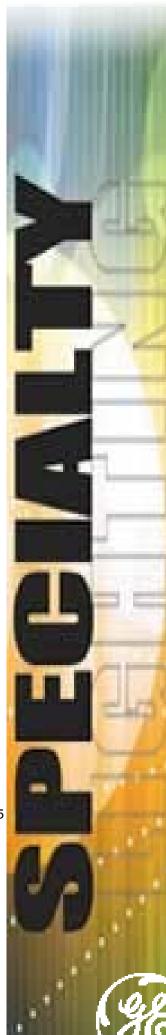
### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

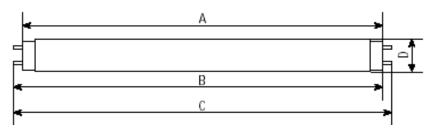
Where applicable, values are based on guidelines published in ANSI.





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**G10T8** 



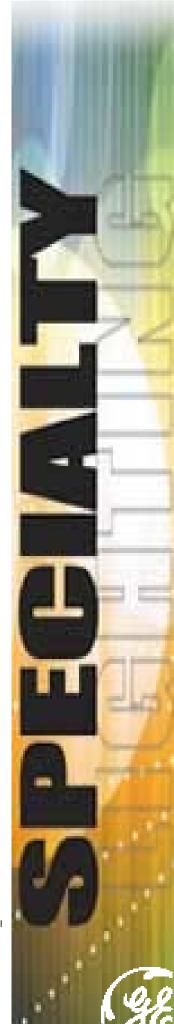
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G1	0T8	
Product Code		29498		
Case Quantity		2	24	
Physical Charac	teristics			
Bulb Designation			5	
Bulb Material		Soft (	Glass	
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		13.05(331.5)	
Base face to end of opposite base pin (B)	in. (mm)	13.24(336.2)	13.33(338.6)	
End of base pin to end of opposite pin end (C)	in. (mm)	1	13.61(345.7)	
Bulb Outside Diameter (D)	in. (mm)		1.05(26.7)	
Electrical Charac	teristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	9.5		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	46		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.230		
UV Character	istics			
Peak Emission Wavelength	nm	25	3.7	
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	28		
UV Output @ 254 nm, 100 hrs	Watts	2	.7	
Useful Life (80% initial output)	Hours	6,0	000	
Special Charact	eristics			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3		
<ul> <li>Avoid exposure of eyes and skin to unshi</li> </ul>	elded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no) no				
Applicable Standards				
ANSI/IESNA RP-27.4-96			7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

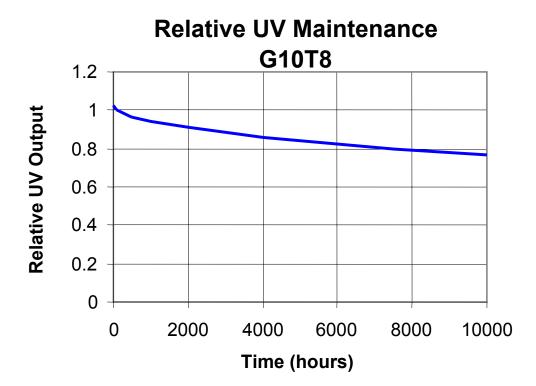
Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

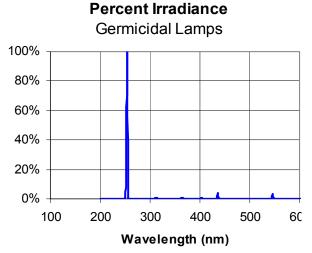


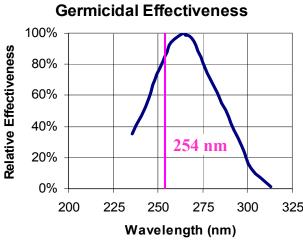


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### **G10T8**







All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

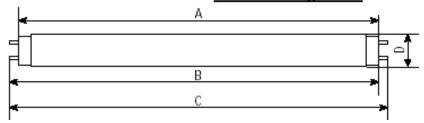
Where applicable, values are based on guidelines published in ANSI.





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**G15T8** 



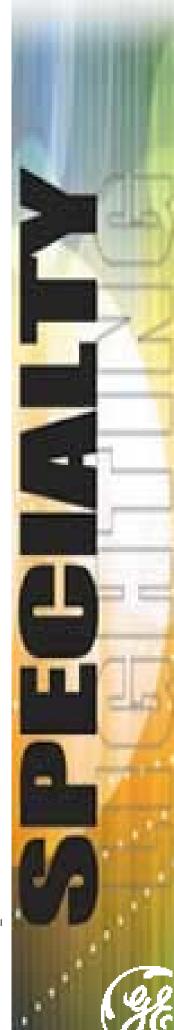
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G1:	5T8
Product Code		11078	
Case Quantity		2	4
Physical Charac	teristics		
Bulb Designation T8			8
Bulb Material		Soft (	Glass
Dimensions		Min	Max
Base face to base face (A)	in. (mm)		17.22(437.4)
Base face to end of opposite base pin (B)	in. (mm)	17.40(442)	17.50(444.5)
End of base pin to end of opposite pin end (C)	in. (mm)	17.67(448.8)	, ,
Bulb Outside Diameter (D)	in. (mm)	0.94(23.9)	1.10(27.9)
Electrical Charac	teristics		
Nominal Lamp Power at 25° C, 100 hrs	Watts	15	
Nominal Lamp Volts at 25° C, 100 hrs	V rms	55	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.305	
UV Character	istics		
Peak Emission Wavelength	nm	253.7	
Irradiance @ 1m, 254 nm, 100 hrs	$_{\mu}$ W/cm $^2$	49	-
UV Output @ 254 nm, 100 hrs	Watts	4.	8*
Useful Life (80% initial output)	Hours	800	00*
Warning			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3	
<ul> <li>Avoid exposure of eyes and skin to unshi</li> </ul>	elded lam	ρ	
Risk of electric shock			
<ul> <li>Turn power off before inspection, installat</li> </ul>	ion or rem	oval	
Applicable Regu	ılations		
DoE regulated (yes/no) no			
Applicable Standards			
ANSI/IESNA RP-27.4-96			

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

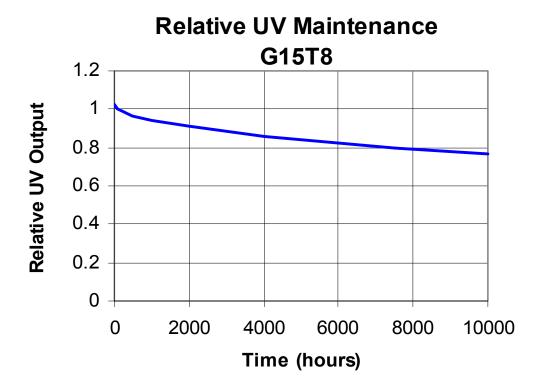


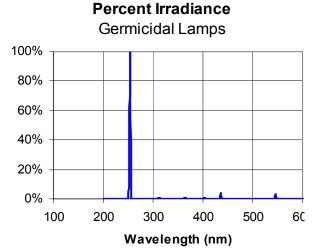


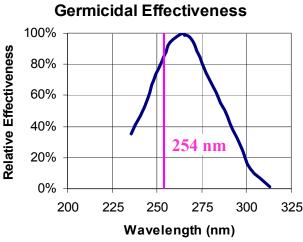
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### **G15T8**



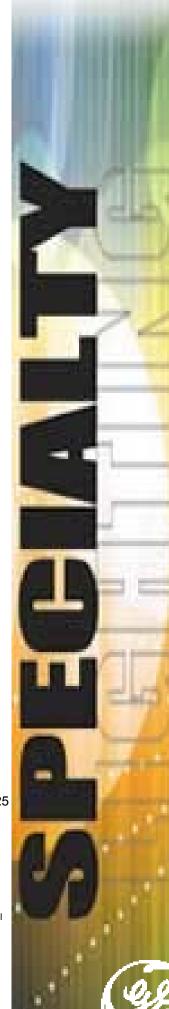




All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

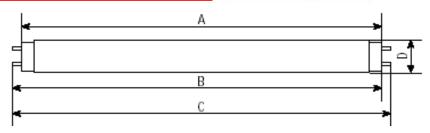
Where applicable, values are based on guidelines published in ANSI.





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**G25T8** 



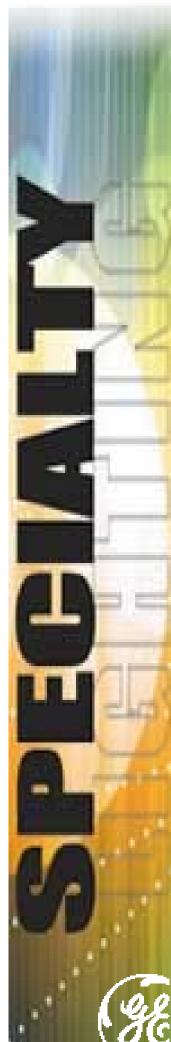
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G2	5T8
Product Code		11082	
Case Quantity		2	4
Physical Charac	teristics		
Bulb Designation			8
Bulb Material		Soft (	Glass
Dimensions		Min	Max
Base face to base face (A)	in. (mm)		17.22(437.4)
Base face to end of opposite base pin (B)	in. (mm)	17.40(442)	17.50(444.5)
End of base pin to end of opposite pin end (C)	in. (mm)	17.67(448.8)	17.78(451.6)
Bulb Outside Diameter (D)	in. (mm)	0.94(23.9)	1.10(27.9)
Electrical Charac	teristics		
Nominal Lamp Power at 25° C, 100 hrs	Watts	25	
Nominal Lamp Volts at 25° C, 100 hrs	V rms	46	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.580	
UV Character	istics		
Peak Emission Wavelength	nm	25	3.7
Irradiance @ 1m, 254 nm, 100 hrs	$_{\mu}$ W/cm $^2$		O*
UV Output @ 254 nm, 100 hrs	Watts	6.	9*
Useful Life (80% initial output)	Hours	80	00*
Warning			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3	
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	p	
Risk of electric shock			
<ul> <li>Turn power off before inspection, installat</li> </ul>	ion or rem	oval	
Applicable Regu	ılations		
DoE regulated (yes/no) no			
Applicable Standards			
ANSI/IESNA RP-27.4-96			7.4-96

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



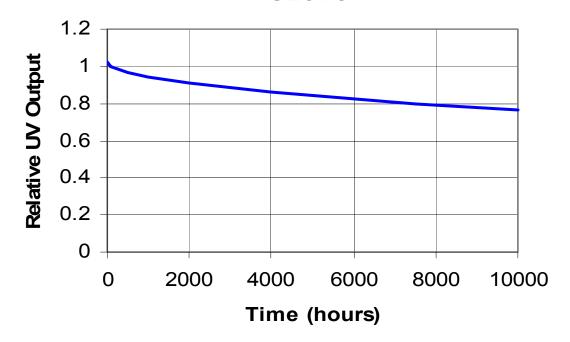
<sup>\*</sup> Values shown are based on preliminary engineering estimates



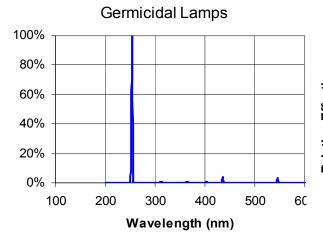
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**G25T8** 

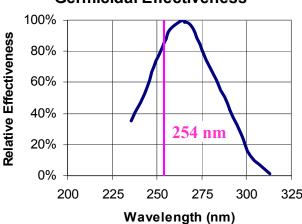
# Relative UV Maintenance G25T8







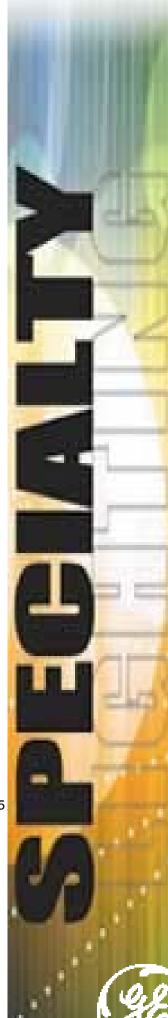
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

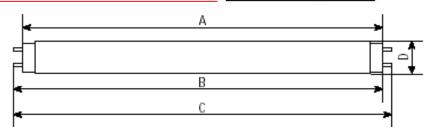
Where applicable, values are based on guidelines published in ANSI.





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**G30T8** 



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G3	0T8
Product Code		11080	
Case Quantity		2	24
Physical Charac	teristics		
Bulb Designation		T8	
Bulb Material		Soft Glass	
Dimensions		Min	Max
Base face to base face (A)	in. (mm)		35.22(894.6)
Base face to end of opposite base pin (B)	in. (mm)	35.40(899.2)	35.50(901.7)
End of base pin to end of opposite pin end (C)	in. (mm)	35.67(906.0)	35.78(908.8)
Bulb Outside Diameter (D)	in. (mm)	0.94(23.9)	1.10(27.9)
Electrical Characteristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	30	
Nominal Lamp Volts at 25° C, 100 hrs	V rms	99	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.355	
UV Character	istics		
Peak Emission Wavelength	nm	253.7	
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	125*	
UV Output @ 254 nm, 100 hrs	Watts	12.4*	
Useful Life (80% initial output)	Hours	8000*	
Warning			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3	
<ul> <li>Avoid exposure of eyes and skin to unshi</li> </ul>	ielded lam	р	
Risk of electric shock			
- Turn power off before inspection, installation or removal			
Applicable Regulations			
oE regulated (yes/no) no			10
Applicable Standards			
ANSI/IESNA		RP-27	7.4-96

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



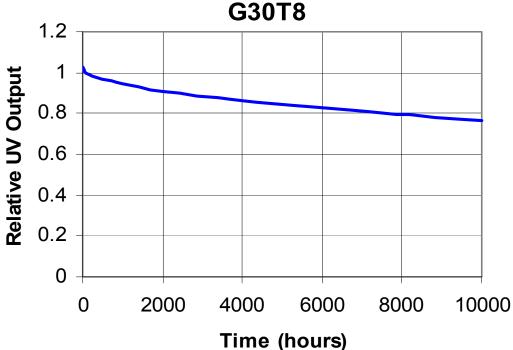


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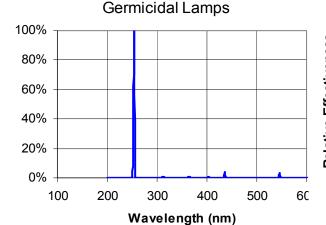
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### **G30T8**

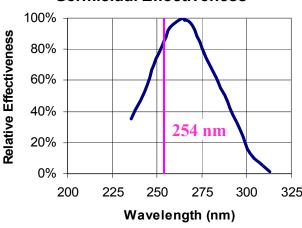




#### **Percent Irradiance**



### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

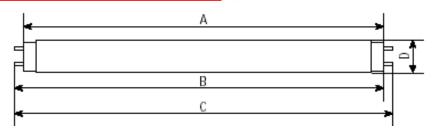
Where applicable, values are based on guidelines published in ANSI.





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**G36T8** 



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G36T8		
Product Code		29499		
Case Quantity		24		
Physical Chara	cteristics			
Bulb Designation		T5		
Bulb Material		Soft Glass		
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		47.22(1199.4)	
Base face to end of opposite base pin (B)	in. (mm)	47.41(1204.1)	47.50(1206.5)	
End of base pin to end of opposite pin end (C)	in. (mm)	-	47.78(1213.6)	
Bulb Outside Diameter (D)	in. (mm)	0.96(24.3)	1.05(26.7)	
Electrical Characteristics				
Nominal Lamp Power at 25° C, 100 hrs	Watts	_	6	
Nominal Lamp Volts at 25° C, 100 hrs	V rms	103		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.430		
UV Characte	ristics			
Peak Emission Wavelength	nm	253.7		
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	145		
UV Output @ 254 nm, 100 hrs	Watts	14.6		
Useful Life (80% initial output)	Hours	8,000		
Special Charac	cteristics			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-3		
- Avoid exposure of eyes and skin to unshielded lamp				
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)	DoE regulated (yes/no) no			
Applicable Standards				
ANSI/IESNA		RP-27	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

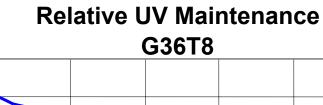


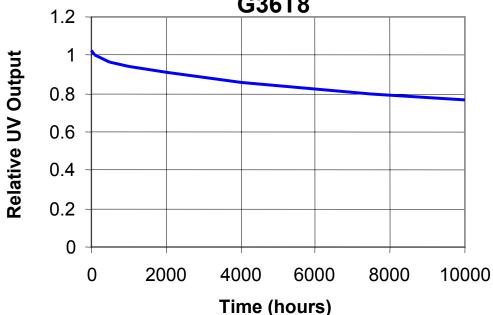


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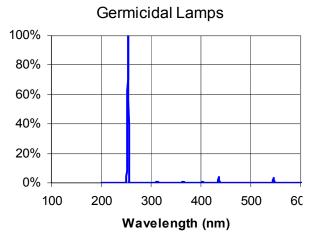
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**G36T8** 

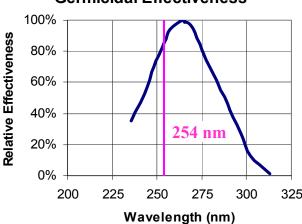








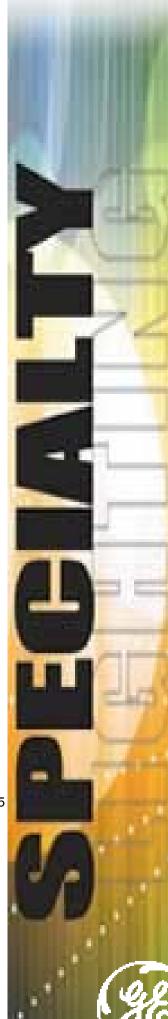
#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

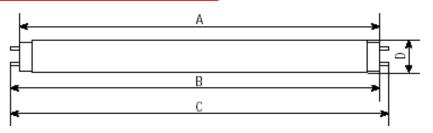
Where applicable, values are based on guidelines published in ANSI.





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**G55T8/HO** 



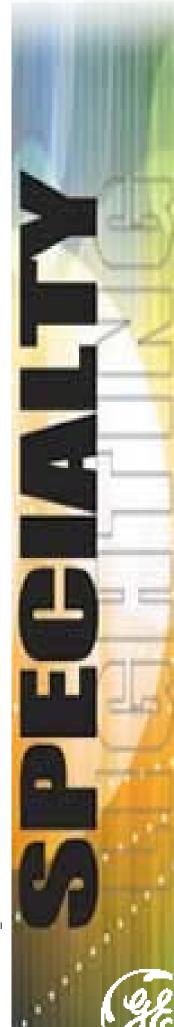
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses medium bi-pin end caps
- Effective in killing most microorganisms High-Output UV emitter

Product Description		G55T8/HO		
Product Code		15875		
Case Quantity		24		
Physical Charact	eristics			
Bulb Designation		T8		
Bulb Material		Soft Glass		
Dimensions		Min Max		
Base face to base face (A)	in. (mm)		35.22(894.6)	
Base face to end of opposite base pin (B)	in. (mm)			
End of base pin to end of opposite pin end (C)	in. (mm)	35.40(899.2)	, ,	
Bulb Outside Diameter (D)	in. (mm)	0.94(23.9)	1.10(27.9)	
Electrical Characteristics				
Nominal Lamp Power at 25° C, 100 hrs	Watts	55		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	83		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.770		
UV Characteri	stics			
Peak Emission Wavelength	nm	253.7		
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	194		
UV Output @ 254 nm, 100 hrs	Watts	18		
Useful Life (80% initial output)	Hours	8,000		
Warning				
Lamp emits UV radiation which may cause				
- Avoid exposure of eyes and skin to unshielded lamp				
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)		no		
Applicable Standards				
ANSI/IESNA		RP-27	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

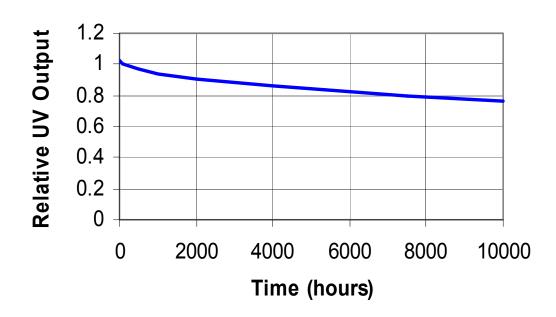




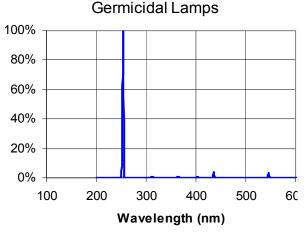
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### **G55T8/HO**

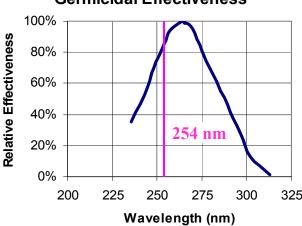
# Relative UV Maintenance G55T8/HO



### Percent Irradiance



#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

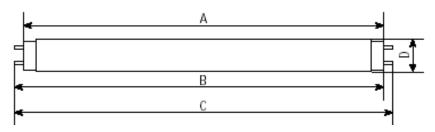
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**G20T10** 



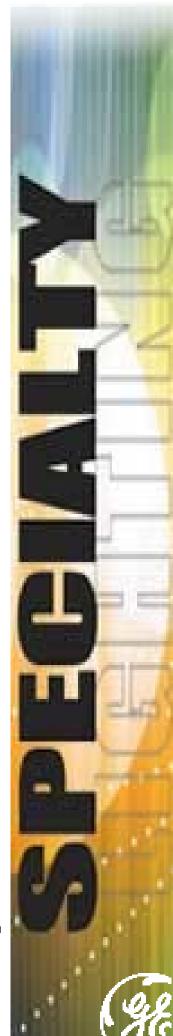
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G20	T10
Product Code		15876	
Case Quantity		24	
Physical Charac	teristics		
Bulb Designation		T5	
Bulb Material		Soft Glass	
Dimensions		Min	Max
Base face to base face (A)	in. (mm)		23.22(589.8)
Base face to end of opposite base pin (B)	in. (mm)	23.40(594.4)	23.50(596.9)
End of base pin to end of opposite pin end (C)	in. (mm)	-	23.78(604)
Bulb Outside Diameter (D)	in. (mm)	1.22(31.0)	1.34(34.0)
Electrical Charac	teristics		
Nominal Lamp Power at 25° C, 100 hrs	Watts	19	
Nominal Lamp Volts at 25° C, 100 hrs	V rms	58	
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.360	
UV Character	istics		
Peak Emission Wavelength	nm	253.7	
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	75.8	
UV Output @ 254 nm, 100 hrs	Watts	7.5	
Useful Life (80% initial output)	Hours	8,000	
Special Charact	eristics		
Lamp emits UV radiation which may cause			
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	р	
Risk of electric shock			
- Turn power off before inspection, installation or removal			
Applicable Regulations			
DoE regulated (yes/no)	0oE regulated (yes/no) no		
Applicable Standards			
ANSI/IESNA RP-27.4-96			

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

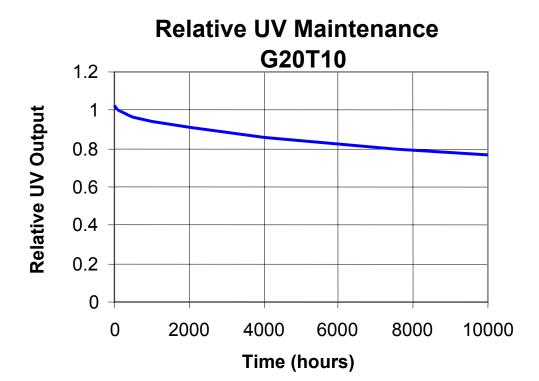


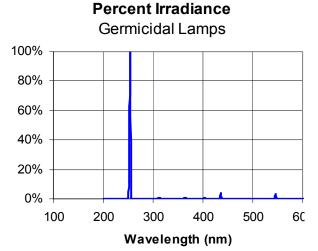
<sup>\*</sup> Values shown are based on preliminary engineering estimates

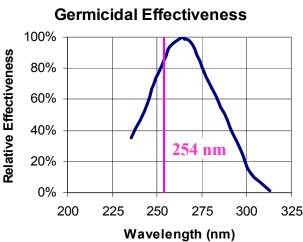


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### **G20T10**



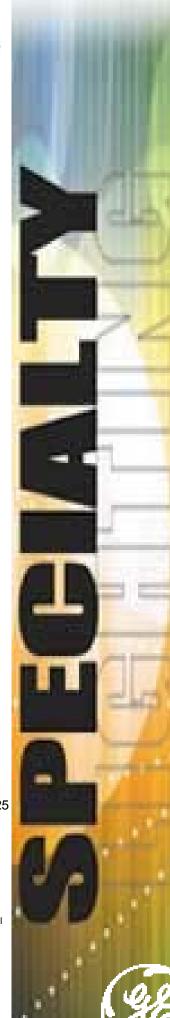




All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

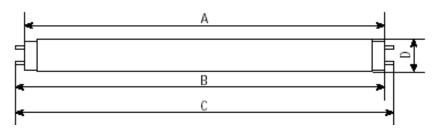
Where applicable, values are based on guidelines published in ANSI.





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G40T10



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses standard Bi-pin end caps
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		G40T10		
Product Code		29532		
Case Quantity		24		
Physical Charac	teristics			
Bulb Designation		T5		
Bulb Material		Soft Glass		
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		47.22(1199.4)	
Base face to end of opposite base pin (B)	in. (mm)	47.40(1204)	47.50(1206.5)	
End of base pin to end of opposite pin end (C)	in. (mm)	1	47.78(1213.6)	
Bulb Outside Diameter (D)	in. (mm)		1.34(34.0)	
Electrical Charac	cteristics			
Nominal Lamp Power at 25° C, 100 hrs	Watts	40		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	106		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.420		
UV Character	istics			
Peak Emission Wavelength	nm	253.7		
Irradiance @ 1m, 254 nm, 100 hrs	μW/cm <sup>2</sup>	200		
UV Output @ 254 nm, 100 hrs	Watts	19.8		
Useful Life (80% initial output)	Hours	8,000		
Special Charact	teristics			
Lamp emits UV radiation which may cause	eye/skin	injury. RG-	3	
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	р		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
oE regulated (yes/no) no			no	
Applicable Standards				
ANSI/IESNA		RP-2	27.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

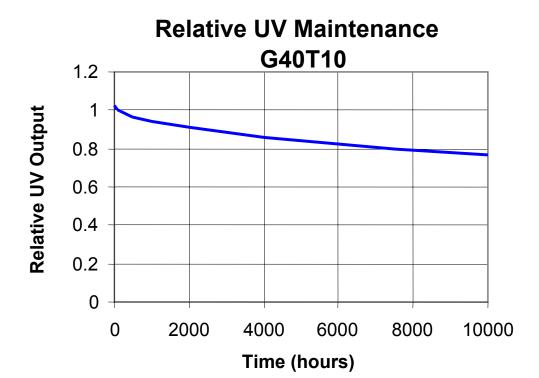
Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



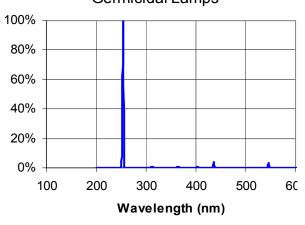


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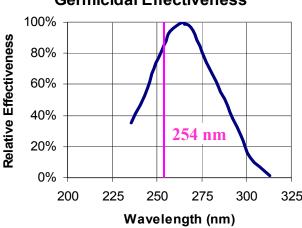
### **G40T10**







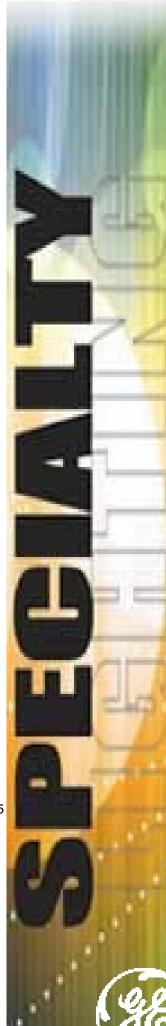
### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

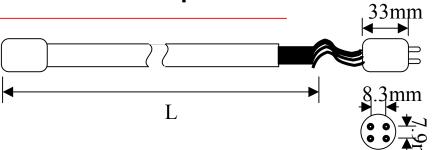
Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

Where applicable, values are based on guidelines published in ANSI.





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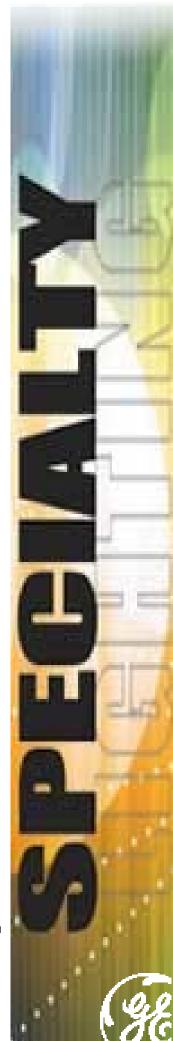
#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses single-end 4-pin cap
- Effective in killing most microorganisms 9000 hours Useful Life

Product Description		GPH79	3T5L/4P	
Product Code		46630		
Case Quantity		1	2	
Physical Characte	ristics			
Bulb Designation				
Bulb Material		Quartz		
Base non-integral single ended 4 pin ceramic	base			
Dimensions		Min	Max	
Base face to base face (A)	in. (mm)		31.34(796)	
Base face to end of opposite base pin (B)	in. (mm)	1		
End of base pin to end of opposite pin end (C)	in. (mm)			
Bulb Outside Diameter (D)	in. (mm)	0.53(13.5)	0.63(16.0)	
Electrical Characteristics				
Nominal Lamp Power at 25° C, 100 hrs	Watts	37		
Nominal Lamp Volts at 25° C, 100 hrs	V rms	105		
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.425		
UV Characterist	ics			
Peak Emission Wavelength	nm	25	3.7	
Irradiance @ 1m, 254 nm, 100 hrs	$\mu$ W/cm <sup>2</sup>	131		
UV Output @ 254 nm, 100 hrs	Watts	12.8		
Useful Life (80% initial output)	Hours	9,000		
Warning				
Lamp emits UV radiation which may cause	eye/skin	injury. RG	3-3	
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lam	p		
Risk of electric shock				
- Turn power off before inspection, installation or removal				
Applicable Regulations				
DoE regulated (yes/no)		r	10	
Applicable Standards				
ANSI/IESNA		RP-2	7.4-96	

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.



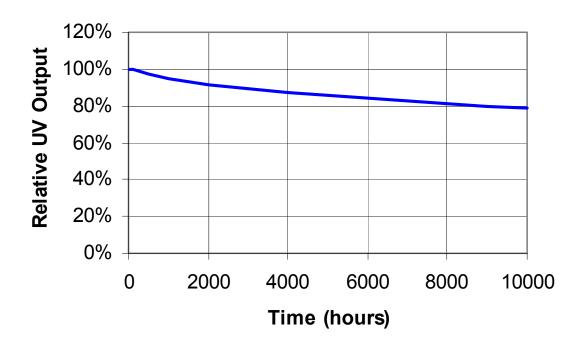
<sup>\*</sup> Values shown are based on preliminary engineering estimates



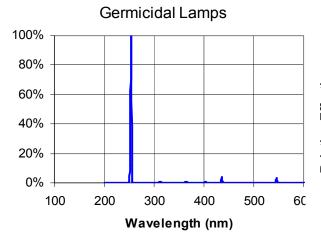
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#### **GPH793/T5/4**

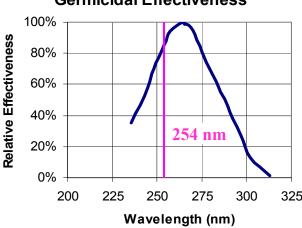
### **UV Maintenance**



#### **Percent Irradiance**



#### **Germicidal Effectiveness**



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

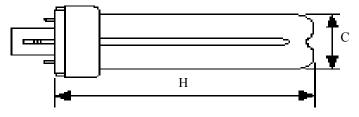
Where applicable, values are based on guidelines published in ANSI.





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#### **GBX5/UVC**



#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses single-end G23
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		GBX	5/UVC				
Product Code		16	6479				
Case Quantity		1	00				
Physical Characteristics							
Bulb Designation		•	T4				
Bulb Material		Soft	Glass				
Base non-integral single ended 4 pin ceramic base							
Dimensions		Min	Max				
Base Dimensions		G	S23				
Base face to top of lamp diemsnionH	in. (mm)		3.35(85.0)				
width of lamp dimension C	in. (mm)		1.28(32.5)				
depth of lamp dimension G	in. (mm)		0.71(18.1)				
Electrical Characteristics							
Nominal Lamp Power at 25° C, 100 hrs	Watts	5					
Nominal Lamp Volts at 25° C, 100 hrs	V rms	35					
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.180					
UV Characteristics							
Peak Emission Wavelength	nm	25	53.7				
Irradiance @ 1m, 254 nm, 100 hrs	$\mu$ W/cm $^2$						
UV Output @ 254 nm, 100 hrs	Watts		1				
Useful Life (80% initial output)	Hours	8,	000				
Warning							
Lamp emits UV radiation which may cause	eye/skin iı	njury. RG-	3				
- Avoid exposure of eyes and skin to unshi	elded lamp						
Risk of electric shock							
- Turn power off before inspection, installati	on or remov	val					
Applicable Regu	lations						
DoE regulated (yes/no)		ı	no				
Applicable Stan	dards						

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

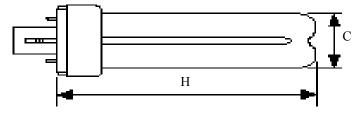


<sup>\*</sup> Values shown are based on preliminary engineering estimates



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#### **GBX9/UVC**



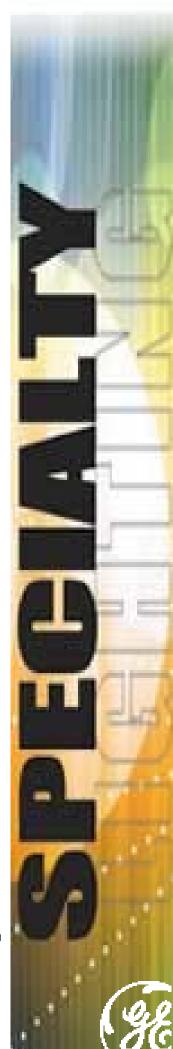
#### **Benefits**

- · UV output at 254 nm; emits no ozone
- Uses single-end G23
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		GBX	9/UVC				
Product Code	15877						
Case Quantity		1	00				
Physical Characteristics							
Bulb Designation			Γ4				
Bulb Material		Soft	Glass				
Base non-integral single ended 4 pin ceramic							
Dimensions	Min	Max					
Base Dimensions		G	523				
Base face to top of lamp diemsnionH	in. (mm)		5.71(145)				
width of lamp dimension C	in. (mm)		1.28(32.5)				
depth of lamp dimension G	in. (mm)		0.71(18.1)				
Electrical Characteristics							
Nominal Lamp Power at 25° C, 100 hrs	Watts	9					
Nominal Lamp Volts at 25° C, 100 hrs	V rms	59					
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.180					
UV Characteristics							
Peak Emission Wavelength	nm	25	3.7				
Irradiance @ 1m, 254 nm, 100 hrs	$_{\mu}$ W/cm $^2$						
UV Output @ 254 nm, 100 hrs	Watts		2.4				
Useful Life (80% initial output)	Hours	8,	000				
Warning							
Lamp emits UV radiation which may cause	eye/skin i	njury. RG-3	3				
- Avoid exposure of eyes and skin to unshi	elded lamp						
Risk of electric shock							
- Turn power off before inspection, installati	on or remo	val					
Applicable Regul	lations						
DoE regulated (yes/no)		r	no				
Applicable Stan	dards						
ANSI/IESNA		RP-2	7.4-96				

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

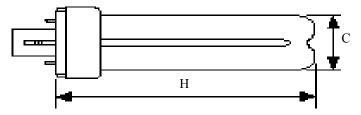


<sup>\*</sup> Values shown are based on preliminary engineering estimates



GE Germicidal Lamps Interlight Specialty Bulbs 1-800-743-0005 www.interlight.biz

**GBX11/UVC** 



#### **Benefits**

- · UV output at 254 nm; emits no ozone
- Uses single-end G23
- Effective in killing most microorganisms 8000 hours Useful Life

	GBX	11/UVC					
	15879						
	1	00					
Physical Characteristics							
	•	T4					
	Soft	Glass					
Base non-integral single ended 4 pin ceramic base  Dimensions  Min Max							
_	Min	Max					
	G	S23					
in. (mm)		8.46(215)					
in. (mm)		1.28(32.5)					
in. (mm)		0.71(18.1)					
Electrical Characteristics							
Watts	11						
V rms	89						
A rms	0.160						
UV Characteristics							
nm	25	53.7					
$\mu$ W/cm $^2$							
Watts	3	3.6					
Hours	8,	000					
eye/skin ir	njury. RG-	3					
ielded lamp							
ion or remov	val						
lations							
		no					
DoE regulated (yes/no) no  Applicable Standards							
uaius							
	in. (mm) in.	15   15   15   15   15   15   15   15					

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

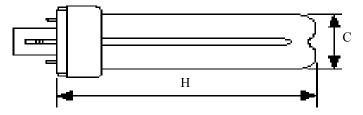


<sup>\*</sup> Values shown are based on preliminary engineering estimates



GE Germicidal Lamps Interlight Specialty Bulbs 1-800-743-0005 www.interlight.biz

#### **GBX13/UVC**



#### **Benefits**

- · UV output at 254 nm; emits no ozone
- Uses single-end G23
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		GBX1	3/UVC				
Product Code	15879						
Case Quantity		100					
Physical Characteristics							
Bulb Designation		Γ4					
Bulb Material		Soft	Glass				
Base non-integral single ended 4 pin ceramic	base						
Dimensions		Min	Max				
Base Dimensions		G	23				
Base face to top of lamp diemsnionH	in. (mm)		6.69(170)				
width of lamp dimension C	in. (mm)		1.28(32.5)				
depth of lamp dimension G	in. (mm)		0.71(18.1)				
Electrical Characteristics							
Nominal Lamp Power at 25° C, 100 hrs	Watts	13					
Nominal Lamp Volts at 25° C, 100 hrs	V rms	59					
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.285					
UV Characteristics							
Peak Emission Wavelength	nm	253.7					
Irradiance @ 1m, 254 nm, 100 hrs	$\mu$ W/cm <sup>2</sup>						
UV Output @ 254 nm, 100 hrs	Watts	_	3.6				
Useful Life (80% initial output)	Hours	8,	000				
Warning							
Lamp emits UV radiation which may cause	eye/skin i	njury.RG-3	3				
- Avoid exposure of eyes and skin to unshi	elded lamp						
Risk of electric shock							
- Turn power off before inspection, installati	on or remo	val					
Applicable Regul	ations						
DoE regulated (yes/no)		r	10				
Applicable Stan	dards						
ANSI/IESNA		RP-2	7.4-96				

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

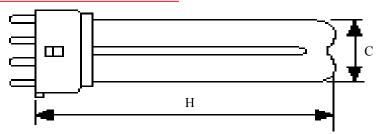


<sup>\*</sup> Values shown are based on preliminary engineering estimates



Interlight Specialty Bulbs 1-800-743-0005 www.interlight.biz





#### **Benefits**

- UV output at 254 nm; emits no ozone
- Uses single-end G2-11
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		GBX18/l	JVC/2G11				
Product Code		15	5882				
Case Quantity		4	40				
Physical Charac	cteristics						
Bulb Designation		-	T6				
Bulb Material		Soft	Glass				
Base non-integral single ended 4 pin ceram	ic base						
Dimensions		Min	Max				
Base Dimensions		20	G11				
Base face to top of lamp diemsnionH	in. (mm)		8.8(225)				
width of lamp dimension C	in. (mm)		1.73(44)				
depth of lamp dimension G	in. (mm)		0.9(24)				
Electrical Characteristics							
Nominal Lamp Power at 25° C, 100 hrs	Watts	18					
Nominal Lamp Volts at 25° C, 100 hrs	59						
Nominal Lamp Current at 25° C, 100 hrs	A rms	0.380					
UV Characte	ristics						
Peak Emission Wavelength	nm	25	53.7				
Irradiance <sup>†</sup> @ 1m, 254 nm, 100 hrs	μW/cm²	69					
UV Output @ 254 nm, 100 hrs	Watts	5	5.3				
Useful Life (80% initial output)	Hours	8,000					
Warning	9						
Lamp emits UV radiation which may caus	e eye/skin in	jury. RG-	3				
<ul> <li>Avoid exposure of eyes and skin to uns</li> </ul>	hielded lamp						
Risk of electric shock							
- Turn power off before inspection, installa	ation or remov	al					
Applicable Reg	ulations						
DoE regulated (yes/no)		-	no				
Applicable Sta	ındards						
ANSI/IESNA		RP-2	27.4-96				

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

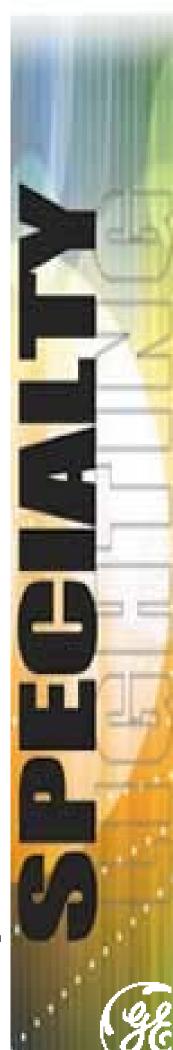
Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

† measured perpendicular to the biax plane

Where applicable, values are based on guidelines published in ANSI.

\* Values shown are based on preliminary engineering estimates

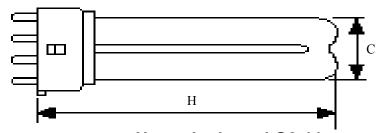






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#### **Benefits**

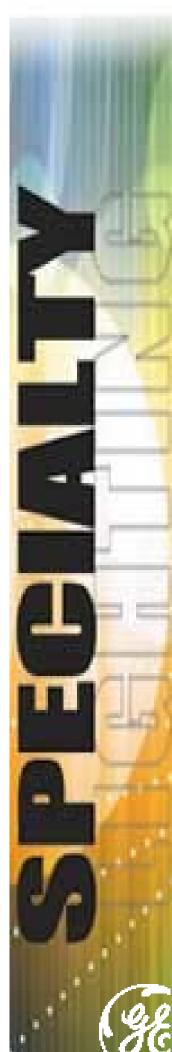
- UV output at 254 nm; emits no ozone
- Uses single-end G2-11
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		GBX36/L	JVC/2G11			
Product Code		15882				
Case Quantity			40			
Physical Charact	teristics					
Bulb Designation		-	T6			
Bulb Material		Soft	Glass			
Base non-integral single ended 4 pin ceramic	base					
Dimensions		Min	Max			
Base Dimensions		20	G11			
Base face to top of lamp diemsnionH	in. (mm)		16.33(415)			
width of lamp dimension C	in. (mm)		1.73(44)			
depth of lamp dimension G	in. (mm)		0.9(24)			
Electrical Characteristics						
Nominal Lamp Power at 25° C, 100 hrs	36					
Nominal Lamp Volts at 25° C, 100 hrs	107					
Nominal Lamp Current at 25° C, 100 hrs	0.440					
UV Character	istics					
Peak Emission Wavelength	nm	25	53.7			
Irradiance <sup>†</sup> @ 1m, 254 nm, 100 hrs	$_{\mu}$ W/cm $^2$	155				
UV Output @ 254 nm, 100 hrs	Watts	12				
Useful Life (80% initial output)	Hours	8,000				
Warning						
Lamp emits UV radiation which may cause	eye/skin ir	njury. RG-	3			
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lamp					
Risk of electric shock						
- Turn power off before inspection, installat	tion or remov	<i>v</i> al				
Applicable Regu	ılations					
DoE regulated (yes/no)		1	no			
Applicable Star	ndards					
ANSI/IESNA		RP-2	27.4-96			

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

† measured perpendicular to the biax plane

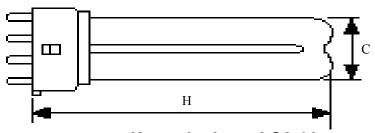


<sup>\*</sup> Values shown are based on preliminary engineering estimates



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#### **Benefits**

- · UV output at 254 nm; emits no ozone
- Uses single-end G2-11
- Effective in killing most microorganisms 8000 hours Useful Life

Product Description		GBX55/l	JVC/2G11			
Product Code		15885				
Case Quantity			25			
Physical Charact	eristics					
Bulb Designation		-	Т6			
Bulb Material		Soft	Glass			
Base non-integral single ended 4 pin ceramic	base					
Dimensions		Min	Max			
Base Dimensions		20	G11			
Base face to top of lamp diemsnionH	in. (mm)		21.1(535)			
width of lamp dimension C	in. (mm)		1.73(44)			
depth of lamp dimension G	in. (mm)		0.9(24)			
Electrical Characteristics						
Nominal Lamp Power at 25° C, 100 hrs	55					
Nominal Lamp Volts at 25° C, 100 hrs	V rms	101				
Nominal Lamp Current at 25° C, 100 hrs	0.550					
UV Characteri	stics					
Peak Emission Wavelength	nm	25	53.7			
Irradiance <sup>†</sup> @ 1m, 254 nm, 100 hrs	$\mu$ W/cm $^2$	240				
UV Output @ 254 nm, 100 hrs	Watts	16.5				
Useful Life (80% initial output)	Hours	8,000				
Warning						
Lamp emits UV radiation which may cause	eye/skin iı	njury. RG-	3			
<ul> <li>Avoid exposure of eyes and skin to unsh</li> </ul>	ielded lamp					
Risk of electric shock						
- Turn power off before inspection, installat	ion or remov	val				
Applicable Regu	lations					
DoE regulated (yes/no)		1	าด			
Applicable Star	ndards					
ANSI/IESNA		RP-2	7.4-96			

All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

† measured perpendicular to the biax plane



<sup>\*</sup> Values shown are based on preliminary engineering estimates

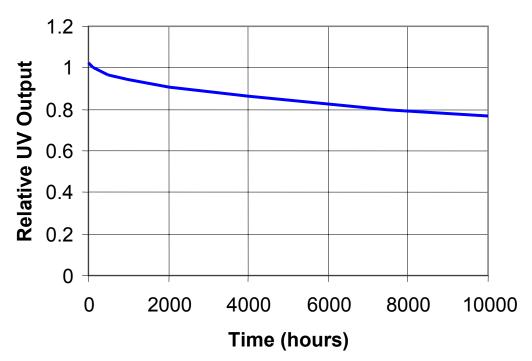


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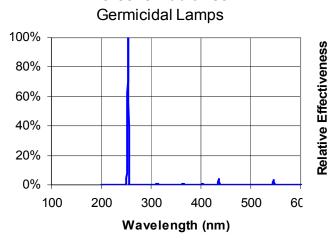
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## **Germicidal Biax Lamps**

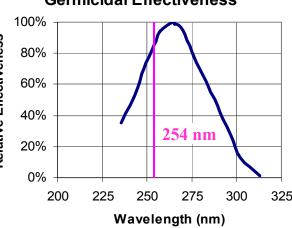
### **Relative UV Maintenance**



#### **Percent Irradiance**



#### Germicidal Effectiveness



All values are design values or typical values when measured under laboratory conditions. Information provided is subject to change without notice. Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.

Turn power off and let lamp cool before removal to avoid potential burn and electrical shock hazard during lamp replacement.

Where applicable, values are based on guidelines published in ANSI.

\* Values shown are based on preliminary engineering estimates



GE Consumer & Industrial Specialty Lighting

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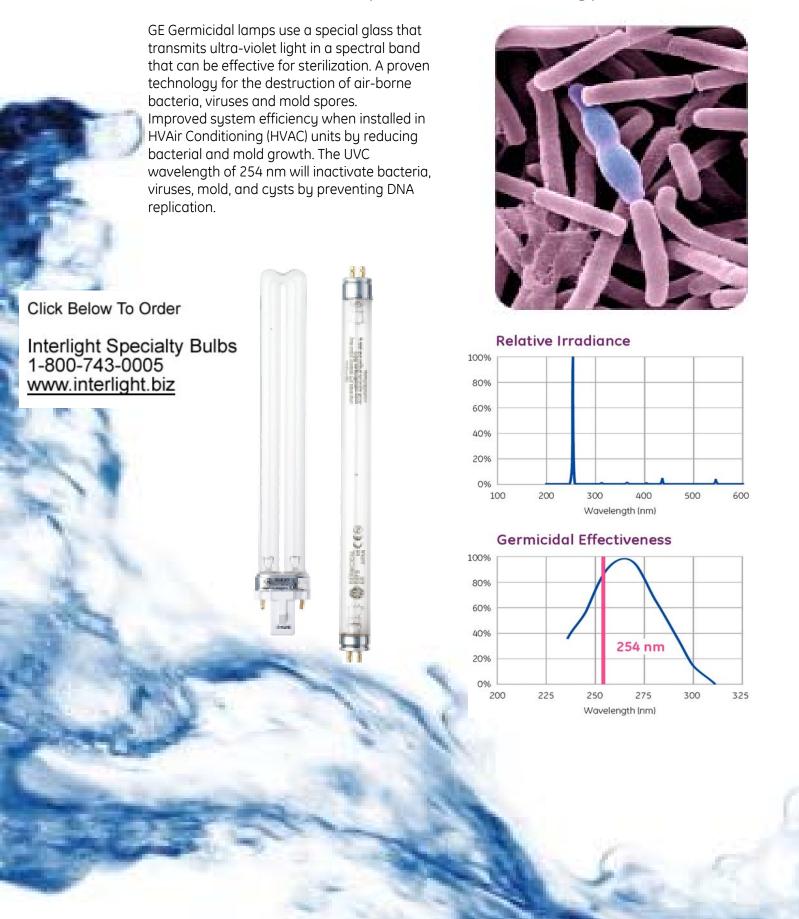
# UV lamps for germicidal applications.

Water, air and surface sterilization.





## Linear fluorescent and compact fluorescent types



## Germicidal Applications

UV lamps for germicidal applications. Water, air and surface sterilization.

#### Healthcare

UVC is used to reduce the spread of disease, protecting both patients and staff. UV fixtures are often found in areas where the risk of infection is greatest; such as immuno-compromised patient areas or where the probability of transmission is high.

#### **Processing Industry**

Food may be irradiated to prevent growth of mold and other dangerous organisms before it is packaged. This helps ensure food safety and extends shelf life. UVC lamps are also used within the facility to limit the exposure of food products to airborne micro-organisms.

#### Scientific Labs

In industries that demand a clean, sterile environment, UVC is used to limit the amount of 'live' organisms in the air, and to sterilize equipment and surfaces when employees are not in the room.

#### Industrial, Municipal, Residential Water and Pond Treatment

Special UVC lamps are used in some treatment applications as a means of disinfection. This technology serves as a replacement for chlorination in waste water treatment and as an additional protective barrier in drinking and process water applications.

Lamps are now widely used in Pond cleansing for both domestic and commercial uses.

#### **Commercial buildings**

UVC lamps are used as a means of improving HVAC system efficiencies by irradiating coils and keeping them from building up with mold and other bacteria, which reduces the flow rate and costs more to operate. These lamps can also be installed in-duct as a means of improving indoor air quality.



#### Food processing industry

- Food processing
- Food handling
- Warehousing
- Produce department
- Meat cases
- Salad bars
- Dessert cases
- Bakeries
- Buffets
- Restaurants



#### Biotech industry

- Bioengineering
- Genetics
- Medical testing
- Pharmaceutical processes
- Research labs
- Biotech labs
- Equipment sterilization



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## Germicidal lamps range

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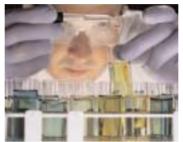
inch ol s UV Ou cidal 5.91 8.91 11.91 226.3 11.91 34.07 62.00	mm tput (Watts)  150.1 226.3 302.5 8.91 302.5 865.5	G4T5 G6T5 G8T5 G11T5	0.9 1.7 2.3	(μW/cm2)  8.3	Life Hours 6000	Qty 24	Code
5.91 5.91 8.91 11.91 226.3 11.91 34.07	150.1 226.3 302.5 8.91 302.5 865.5	G4T5 G6T5 G8T5 G11T5	1.7		6000	24	15072
5.91 8.91 11.91 226.3 11.91 34.07	150.1 226.3 302.5 8.91 302.5 865.5	G4T5 G6T5 G8T5 G11T5	1.7		6000	24	15070
5.91 8.91 11.91 226.3 11.91 34.07	226.3 302.5 8.91 302.5 865.5	G6T5 G8T5 G11T5	1.7		6000	24	15072
8.91 11.91 226.3 11.91 34.07	226.3 302.5 8.91 302.5 865.5	G6T5 G8T5 G11T5	1.7		6000	24	15072
11.91 226.3 11.91 34.07	302.5 8.91 302.5 865.5	G8T5 G11T5	-	477			15872
226.3 11.91 34.07	8.91 302.5 865.5	G11T5	2.7	17.7	6000	24	15873
11.91 34.07	302.5 865.5		۷.۵	24.0	7500	24	11077
34.07	865.5		2.2	22.9	8000	24	29495
		G16T5	3.2	33.0	8000	24	16494
62.00		G36T5	12	109.5	9000	24	15874
	1574.8	G64T5	18	185.0	7500	24	15864
منظما د:	nala (min s	an					
		•	22	22.0	8000	2/1	29500
							29502
							29503
							29504
	796	GPH79315L/4P	12.8	131.0	9000	12	46630
cidal							
13.61	345.7	G10T8	2.7	27.6	6000	24	29498
17.78	451.6	G15T8	4.8	49.0	8000	24	11078
	451.6	G25T8	6.9	70.0	8000	24	11082
	908.8	G30T8		125.0	8000		11080
	1213.6			145.0	8000		29499
35.78	908.8	G55T8HO	18	194.0	8000	24	15875
icidal							
23.78	604	G20T10	7.5	75.8	8000	24	15876
47.78	1213.6	G40T10	19.8	200.0	8000	24	29532
	.1						
		GBX5/11/10 G23	1.0	9.0	8000	100	40695
							40695
							40696
							40700
							15882/40704
							15883/4070
							15885/4070
	8.66 12.61 33.28 51.28 51.28 51.28 51.34 51.34 51.34 51.361 51.778 51.778 51.778 51.778 61.378 61.378 61.378 61.378 61.378 61.378 61.378 61.378 61.378 61.378 61.378 61.378 61.378	8.66 220 12.61 320.3 33.28 845.4 51.28 1556.6  sidal Single 4pin of 31.34 796  sidal 13.61 345.7 17.78 451.6 17.78 451.6 17.78 908.8 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 17.78 1213.6 18.46 215.0 18.46 215.0 18.88 225.0 18.33 415	12.61 320.3 G16T5/4P/SE 13.28 845.4 G36T5/4P/SE 13.28 1556.6 G64T5/4P/SE 13.28 1556.6 G75T8 12.78 12.	8.66 220 G11T5/4P/SE 2.2 12.61 320.3 G16T5/4P/SE 3.4 33.28 845.4 G36T5/4P/SE 12 51.28 1556.6 G64T5/4P/SE 25  15.128 1556.6 G64T5/4P/SE 12  15.128 15.0 G64T5/4P/	8.66 220 G11T5/4P/SE 2.2 22.9 12.61 320.3 G16T5/4P/SE 3.4 33.0 133.28 845.4 G36T5/4P/SE 12 109.5 151.28 1556.6 G64T5/4P/SE 25 200.0  15.10	8.66	8.66       220       G11T5/4P/SE       2.2       22.9       8000       24         12.61       320.3       G16T5/4P/SE       3.4       33.0       8000       24         13.28       845.4       G36T5/4P/SE       12       109.5       9000       24         51.28       1556.6       G64T5/4P/SE       25       200.0       9000       24         diddl Single 4pin cap         81.34       796       GPH793T5L/4P       12.8       131.0       9000       12         diddl L3.61       345.7       G10T8       2.7       27.6       6000       24         17.78       451.6       G15T8       4.8       49.0       8000       24         17.78       451.6       G25T8       6.9       70.0       8000       24         47.78       451.6       G36T8       12.4       125.0       8000       24         47.78       1213.6       G36T8       14.6       145.0       8000       24         47.78       1213.6       G40T10       7.5       75.8       8000       24         47.78       1213.6       G40T10       7.5       75.8       8000       24



# UV lamps for germicidal applications... water, air and surface sterilization.

GE Germicidal lamps use a special UV transmitting glass that can break down ultraviolet light in a spectral band for sterilization.

The UVC wavelength of 254 nm will inactivate bacteria, viruses, mold, and cysts by preventing DNA replication.



Food Processing Industry: Food may be irradiated to prevent growth of mold and other dangerous organisms before it is packaged. This helps ensure food safety and extends shelf life. UVC lamps are also used within the facility to limit the exposure of food products to airborne micro-organisms.

Scientific Labs: In industries that

demand a clean, sterile environment, UVC is used to limit the amount



of 'live' organisms in the air, and to sterilize equipment and surfaces when employees are not in the room.

Industrial, Municipal and Residential Water Treatment: Special UVC lamps are used in some treatment applications as a means of disinfection. This technology serves as a replacement for chlorination in waste water treatment and as an additional protective barrier in drinking and process water applications.



Healthcare: UVC is used to reduce the spread of disease, protecting both patients and staff. UV fixtures are often found in areas where the risk of infection is greatest; such as immuno compromised patient areas or where the probability of transmission is high.

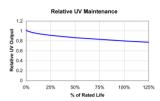


GE Lighting

#### GE SPECIALTY LIGHTING / GERMICIDAL LAMPS

Product Code	Description	Cap / Base	Lamp Watts	Lamp Voltage	UVC Output	Rated Life
Short T5 UVC	Lamps					
15872	G4T5	G5	4	29	0.8	6000
15873	G6T5	G5	6	42	1.7	6000
11077	G8T5	G5	8	57	2.3*	7500
Long T5 UVC	Lamps					
15874	G36T5	Single-Pin	39	107	12.0	9000
15864	G64T5	Single-Pin	65	180	18.0	7500
T8 UVC Lamp	S					
11078	G15T8	G13	15	55	4.8*	8000
11082	G25T8	G13	25	46	6.9*	8000
11080	G30T8	G13	30	99	12.4*	8000
15875	G55T8/HO	G13	55	83	18.0	8000
Biax ® Compa	ct UVC Lamps					
16479	GBX5/UVC	G23	5	35	1.0	8000
15877	GBX9/UVC	G23	9	59	2.4	8000
15879	GBX11/UVC	G23	11	89	3.6	8000
15881	GBX13/UVC	GX23	13	59	3.6	8000
15882	GBX18/UVC/2G11	2G11	18	59	5.5	8000
15883	GBX36/UVC/2G11	2G11	36	107	12.0	8000
15885	GBX55/UVC/2G11	2G11	55	101	17.0	8000

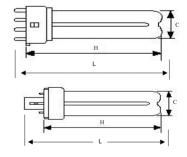
100%			
80%			
60%			
40%			
20%			
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	Max Base Face to Base Face (A) in (mm)	Min Base Face to Opposite Pin End (B) in (mm)	Max Base Face to Opposite Pin End (B) in (mm)	Max Pin End to Pin End (C) in (mm)	Max Bulb Diameter (D) in (mm)
G4T5	5.35 (135.9)	5.53 (140.5)	5.63 (143)	5.91 (150.1)	0.63 (16)
G6T5	8.35 (212.1)	8.53 (216.7)	8.63 (219.2)	8.91 (226.3)	0.63 (16)
G8T5	11.35 (288.3)	11.53 (292.9)	11.63 (295.4)	11.91 (302.5)	0.63 (16)
G36T5	33.37 (847.5)	32.89 (835.5)	33.72 (856.5)	34.07 (885.5)	0.63 (16)
G64T5	61.30 (1557)	61.42 (1560.1)	61.25 (1555.8)	62.00 (1574.8)	0.63 (16)
G15T8	17.22 (437.4)	17.4 (442)	17.5 (444.5)	17.78 (451.6)	1.10 (27.9)
G25T8	17.22 (437.4)	17.4 (442)	17.5 (444.5)	17.78 (451.6)	1.10 (27.9)
G30T8	35.22 (894.6)	35.4 (899.2)	35.5 (901.7)	35.78 (908.8)	1.10 (27.9)
G55T8/HO	35.22 (894.6)	35.4 (899.2)	35.5 (901.7)	35.78 (908.8)	1.10 (27.9)

	Max Overall Length (L) in (mm)	Max Base Face to Top of Lamp (H) in (mm)	Max Width of Lamp (C) in (mm)	Max Depth of Lamp (G) in (mm)
GBX5/UVC	4.24 (107.8)	3.35 (85)	1.28 (32.5)	0.71 (18.1)
GBX9/UVC	6.59 (167.3)	5.71 (145)	1.28 (32.5)	0.71 (18.1)
GBX11/UVC	9.34 (237.3)	8.46 (215)	1.28 (32.5)	0.71 (18.1)
GBX13/UVC	7.57 (192.3)	6.69 (170)	1.28 (32.5)	0.71 (18.1)
GBX18/UVC/2G11	9.13 (232)	8.8 (225)	1.73 (44)	0.9 (24)
GBX36/UVC/2G11	16.61 (422)	16.33 (415)	1.73 (44)	0.9 (24)
GBX55/UVC/2G11	21.34 (542)	21.1 (535)	1.73 (44)	0.9 (24)





▲ Warning	
Lamps emit UV radiation which may cause eye/skin injury. RG-3 - Avoid exposure of eyes and skin to unshielded lamp	
Risk of electric shock	
- Turn power off before inspection, installation or removal	
All values are design values or typical values when measured under laboratory conditions.	
Information provided is subject to change without notice.	
Germicidal efficacy is dependant upon use of proper engineering design guidelines & UV dosage.	
Where applicable, values are based on guidelines published in ANSI.	
* Values shown are based on preliminary engineering estimates	

For complete Germicidal Lighting product information, visit the GE Website at www.gelighting.com

#### Click below to order

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