# SPECIFICATION FOR APPROVAL

Customer Name:
Customer P/N:
Product Name: Electronic ballast for UV-Lamps
Model NO.: PH9-2100-320D
Supplire P/N:
Rev: A1.0
Date: 2022-11-18
Approved by Yue Jia

	Approved by Yue Jia						
Checked	Rechecked	Approved					

Please send the original back to us after you have approved and signed.

	Approved by customer	
Comments	Approved	Company's seal
	Customeris Name:	

# PH9-2100-320D

#### APPLICATION and PERFORMANCE SPECIFICATION

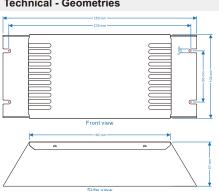


- Shell material Aluminum
- Europe type terminal structure
- Green and red led indicate operating status
- Potential free relay contact on/off out
- Must cut off the power before installation and replacement ballast
- Diameter of wire 0.5~0.75mm<sup>2</sup>, Wire stripping 8~10mm
- No moer than 5 meters distance between the ballast and lamp
- Ballasts case must be grounded

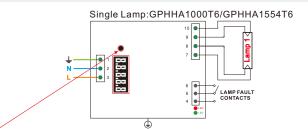


Input Frequency 50/60 Hz Input Prequency 50/60 Hz Input Power 5	Technical - Electrical Data	Conditions	Min	Nom	Max	Unit
Input Current 1,582300 A 1,15000 Current 350 W 1,15000 Current 500 Full Load 50.93 P 76.000 Factor Full Load 50.93 P 76.000 Current 320 W 1,15000 Current 20 22 A 1,15000 P 76.000 Full Load 591 W 1,15000 F 76.000 F 1,15000 P 76.000 F 1,15000 F 1,1	Voltage Range		220	230	240	Vac
### Power Factor   Full Load   \$0.98   PF	Input Frequency			50/60		Hz
Part	Input Current				1.53@230V	Α
Lamp Output Power         320         W           Lamp Output Current         2.0         2.2         A           Efficiency         Full Load         >91         %           Preheat start, Suitable for more times starty         2000         Times           Lamp Preheat Current         2,7         3.0         A           Lamp Preheat Time         14         15         S           Technical - Temperatures           Maximum operating temperature at the To         +85         °C           Ambient temperature range Ta         25         +85         °C           Relative Humidity         5         85         %           Safety and Protection         Overload Protection         8         %           Lamp Air Leakage Protection Over Heat Protection Over Heat Protection Protection Against Moisture         ************************************	Input Power				350	W
Lamp Output Current         2.0         2.2         A           Efficiency         Full Load         >91         %           Preheat start, Suitable for more times startup         20000         Times           Lamp Preheat Current         2.7         3.0         A           Lamp Preheat Time         14         15         S           Technical - Temperatures           Maximum operating temperature at the To         485         °C           Ambient temperature range Ta         25         +50         °C           Relative Humidity         5         85         %           Safety and Protection           Protection         Coverload Protection         Amp Air Leakage Protection </td <td>Power Factor</td> <td>Full Load</td> <td></td> <td>&gt;0.98</td> <td></td> <td>PF</td>	Power Factor	Full Load		>0.98		PF
Full Load	Lamp Output Power				320	W
Preheat start, Suitable for more times startup 2.2000 Times Lamp Preheat Current 2.7 3.0 A Lamp Preheat Time 14 15 S  Technical - Temperatures  Maximum operating temperature at the Tc +85 °C Ambient temperature range Ta -25 +50 °C Relative Humidity 5 85  Safety and Protection Lamp Air Leakage Protection Lamp Air Leakage Protection Over Hoad Protection Protection Against Moisture  Solation Class Class I Solation Voltage 1.5KV AC / 5mA / 5s  Protection Class IP20 Warranty period 2 years  Normen und Approval Safety Norm EN61347-1-2-3, EN62493 LVD Norm Low voltage Directive 2014/35/EU EMC Norm EN55015, EN55014, GB17743, GB17625, EN61000-3-2 Certifications CE RoHS  Packaging units Pieces/ Unit Shipping carton box (10pcs/CTN) Dimensions in Lx Wx H 36.0cm x 26.5cm x 25.5cm  Gross weight 8.5kg	Lamp Output Current		2.0		2.2	Α
Lamp Preheat Current 2.7 3.0 A Lamp Preheat Time 14 15 S  Technical - Temperatures  Maximum operating temperature at the To +85 °C Ambient temperature range Ta 2.5 +50 °C Relative Humidity 5 85 85 %  Safety and Protection Protection  Overload Protection Lamp Air Leakage Protection Over Heat Protection Protection Against Moisture  Isolation Voltage 1.5KV AC / 5mA / 5s Protection Class IP20 Warranty period 2 years  Normen und Approval Safety Norm EN61347-1-2-3, EN62493 LVD Norm Low voltage Directive 2014/35/EU EMC Norm EN55015, EN55014, GB17743, GB17625, EN61000-3-2 Certifications EN55015 EN55014, GB17743, GB17625, EN61000-3-2 Certifications Shipping carton box (10pcs/CTN) Dimensions in L x W x H 36.0cm x 26.5cm x 25.5cm Gross weight 8.5kg	Efficiency	Full Load		>91		%
Lamp Preheat Time	Preheat start, Suitable for more times	s startup		>20000		Times
Technical - Temperatures  Maximum operating temperature at the Tc  Ambient temperature range Ta  -25 +50 C  Ambient temperature range Ta -25 85 85 %  Safety and Protection  Protection  Overload Protection  Lamp Air Leakage Protection Over Heat Protection Over Heat Protection Protection Against Moisture  Solation Class Class I Solation Voltage 1.5KV AC / 5mA / 5s Protection Class IP20 Warranty period 2 years  Normen und Approval Safety Norm EN61347-1-2-3, EN62493 LVD Norm Low voltage Directive 2014/35/EU EMC Norm EN55015, EN55014, GB17743, GB17625, EN61000-3-2 Certifications CE RoHS  Packaging units Pieces/ Unit Shipping carton box (10pcs/CTN) Dimensions in L x W x H 36.0cm x 26.5cm x 25.5cm Gross weight 8.5kg	Lamp Preheat Current		2.7		3.0	Α
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Ambient temperature range Ta .25	Technical - Temperatures					
Relative Humidity   5   85   %	Maximum operating temperature at the	Тс			+85	°C
Safety and Protection           Protection         Overload Protection Lamp Air Leakage Protection Over Heat Protection Protection Against Moisture           Isolation Class         Class I           Isolation Voltage         1.5KV AC / 5mA / 5s           Protection Class         IP20           Warranty period         2 years           Normen und Approval           Safety Norm         EN61347-1-2-3, EN62493           LVD Norm         Low voltage Directive 2014/35/EU           EMC Norm         EN55015, EN55014, GB17743, GB17625, EN61000-3-2           Certifications         CE RoHS           Packaging units         Shipping carton box (10pcs/CTN)           Dimensions in L x W x H         36.0cm x 26.5cm x 25.5cm           Gross weight         8.5kg	Ambient temperature range Ta		-25		+50	°C
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	Gross weight	8.5kg				
	Volume					

## **Technical - Geometries**



## **Technical - Wiring diagram**



- 1. Cumulative time of lamp tube is displayed by default, (Long press for 3 seconds to reset).
- 2.Button once to display cumulative working time of ballast.
- 3.Button twice to display number of lamp tube switch. 4.Fault code shows FAIL