

TYPE : RH6-AL-100 VER:A

Preheat Start Ballast
AC Source : 99~305V 50/60Hz

Power : 40~100W

Product Picture



Product Label (Label Can be Customized)

**ELECTRONIC BALLAST
FOR UV LAMPS
RH6-AL-100**

0611 03 DC 5V Signal;
 Lamp on: Max.5VDC Max.5mA
 Lamp fault: 0VDC

110-277V 50/60Hz
 Max. Current 0.55A@120V

PF(A) : 0.99 **CE** Electronic Switch:
 Tc: Max.70°C Vmax.32V/AC 50V/DC Imax.50mA
 Ta: -5~40°C Lamp on: On Lamp fault: Off

U-OUT: 350V **RoHS** Note:
 Class P DC 5V Signal or
 High Power Factor Electronic Switch can only
 be chosen one at the same time.
 Ballast case must be grounded.

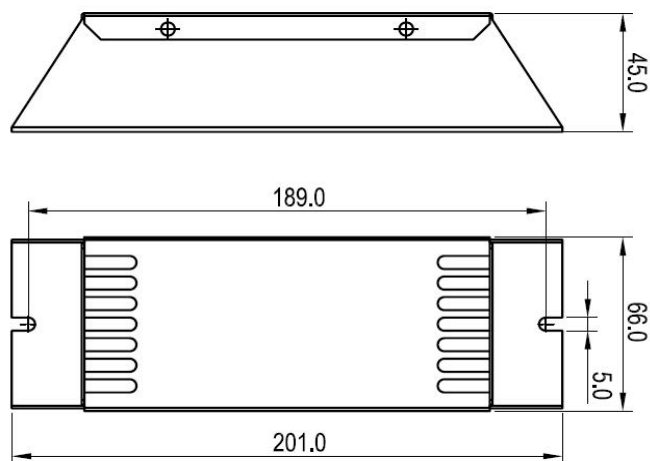
DIP-switch settings			
Lamp Current	Preheat Current	Preheat Time	Lamp Power
ON OFF	ON OFF	ON OFF	Max.100W
00 = 1.2A	00 = 1.1A	0 = 4S	
01 = 1.5A	01 = 1.3A	1 = 8S	
02 = 1.8A	02 = 1.5A	2 = 16S	
03 = 2.1A	03 = 1.7A	3 = 32S	
04 = 2.4A	04 = 1.9A	4 = 64S	

0.5 ~ 1.5mm
 17.5±0.5mm

DIP-switch settings

ON
 1 2 3 4 5

Product Dimensions



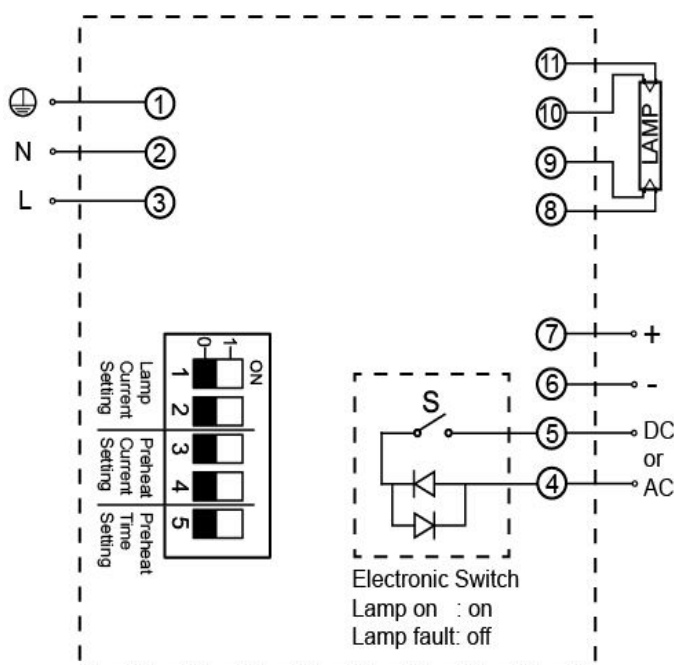
TYPE : RH6-AL-100 VER:A

Page : 2 OF 3

Preheat Start Ballast
AC Source : 99~305V 50/60Hz

Power : 40~100W

Wiring Diagram



Features & Functions

- Preheat Start
- Limiting Current and Power
- Lamp Open Protection
- Lamp Fault Protection
- Status Indication:
 - ▶ Lamp status indication via LED indicators
green LED = lamp on red LED = lamp fault
 - ▶ DC 5V Signal
Lamp on: Max.5V/DC Max.5mA, Lamp fault: 0V
 - ▶ Electronic Switch
Lamp on: On , Lamp fault: Off
 - ▶ DC 5V Output or Electronic switch can only be chosen one at the same time.

Electrical Specification

- Input Mains Voltage: 110~277V±10%
- Input Line Frequency: 47~63Hz
- Input Current: Max.0.95A at 120Vrms
- Input Power: 47~110W
- Power Factor: 0.99 typ.
- Output Frequency: 40~60KHz
- Crest Factor: <1.7
- Current THD: 15% typ.
- Preheat Time: Optional 4S,8S
- Preheat Current: Optional 1.1A,1.3A,1.5A
- Output Current: Optional 1.2A,1.5A,1.8A, typ.
- Lamp Power: 40~100W (Max. 100W)
- Lamp Type: GPHA357~843T5/1.2A
UVI80 NNI75/25U NNI80/36U/1.5A
GPHA357~436T6/1.8A
- Efficiency: 90% Max. load
- Status Indication: Green and red LED
- Signal Output: Max.5V/DC, Max.5mA
- Electronic Switch: Vmax.32V/AC,50V/DC,Imax.50mA
- Protections: Lamp Open / Fault
- Tc-temperature: Max. 70°C
- Ta-temperature: -5~40°C
- Storage: -40~85°C
- Approvals: CE (LVD EMC)
- IP Code: IP20
- Dimensions: 201×66×45mm

Note

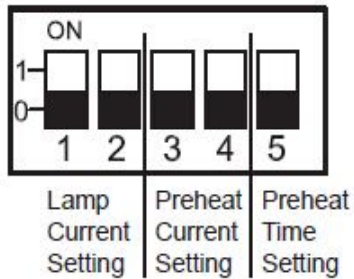
- ▶ Once the DIP is setted up, please do not make any change, otherwise the lamps may be damaged.
- ▶ When the Tc temperature is over 70°C, please add a heat-dissipation device.

TYPE : RH6-AL-100 VER:A

Preheat Start Ballast
AC Source : 99~305V 50/60Hz

Power : 40~100W

Operating Instructions



DIP-switch Settings

Lamp Current Switches set to	Preheat Current Switches set to	Preheat Time Switches set to
00=1.2A	00=1.1A	0=4S
01=1.5A	01=1.3A	1=8S
10=1.8A	10=1.5A	

Recommended DIP Setting

Lamp Current DIP Position	Preheat Current DIP Position	Preheat Time DIP Position	Lamp Power DIP Position	Lamp Type
00=1.2A	01=1.3A	0=4S	Max.100W	GPHA357~843T5/1.2A
01=1.5A	01=1.3A	0=4S	Max.100W	UVI80 NNI75/25U NNI80/36U/1.5A
10=1.8A	10=1.5A	1=8S	Max.100W	GPHA357~436T6/1.8A

Product Packing Information

Article No.	Type	Inner Box		Carton			Pallet		
		Size [mm]	Weight [kg]	Quantity [pcs]	Size [m³]	Weight [kg]	Quantity [pcs]	Size [m³]	Weight [kg]
8000061103	RH6-AL-100	206*77*57	0.53	18	0.023	10.2	648	1.3	379