

# RECOM HPS DE BALLAST SPECIFICATION

LUCIUS  
RECOM



INPUT	Lucius ReCom DE Ballast	600W	800W	1000W
	Nominal Voltage	USA:208/240V or 120/208/240V AU/NZ, UK, EU, Asia: 220/230/240V		
	Voltage Range	USA: 195–265 or 110–265V AU/NZ, UK, EU, Asia: 195–265V		
	Max Current	3A @ 240V 6A @ 120V	4A @ 240V 8A @ 120V	5A @ 240V 10A @ 120V
	Inrush Current	< 30A/0,8mSec		
	Input Frequency	50/60Hz		
	Efficiency	97%		
	Power Factor	≥0,97		
	THDv	<10%		
	Plug			
Cable	USA: 8ft, 3x16AWG AU/NZ, UK, EU, Asia: 2.4m, 3x1.5mm <sup>2</sup> *All input cables are equipped with the magnet ring to meet EMC requirements.			
PROTECTION	Over-voltage	Protection mode is activated when the voltage is greater than 275V.		
	Under-voltage	240V: Undervoltage between 175 ~ 195v leads to 90% output power drop, Protection mode is activated when the voltage is less than 175V. 120V: Undervoltage between 95 ~ 110v leads to 90% output power drop, Protection mode is activated when the voltage is less than 95V.		
	Short Circuit	When the output is shorted, the ballast will be shut down & the LED will alarm error for short circuit protection. See <b>LED Status</b> . To reset the ballast error, disconnect and reconnect the power,		
	Open Circuit	When the output is disconnected for any reason during operation, the ballast will shut down & the LED will alarm error for open circuit protection. See <b>LED Status</b> . To reset the ballast error, disconnect and reconnect the power,		
	Over-temperature	When ambient temperature (Ta) is more than 40°C, the ballast will shut down & the LED will alarm error for high temperature protection. To reset the ballast error, keep the ambient temperature in the allowed operating range, disconnect & reconnect the power,		
	Lamp END of Life / Rectification	The ballast can protect against end of lamp life rectification,		
	Time Delay	All ballasts have built in ignition delay (0-6S randomly) to reduce the starting current,		
	LED Status	ON: Power is applied and the ballast is operating. (LED Illuminated) OFF: Power is not available at the input. (LED off) Blinking: Protection Mode,		

OUTPUT	Lucius ReCom DE Ballast	600W	800W	1000W
	Output Frequency	>100KHz Ultra High Frequency		
	Voltage Range	<300V		
	Max Ignition	5KV		
	Ignition Interval	1-5-5-5-5 minute *After 5 ignition failed attempts to turn the lamp on, the ballast will be shut down and the LED will alarm error. See <b>LED Status</b> . To reset the ballast error, disconnect and reconnect the power,		
Plug				
Cable	USA: 8in, 3x16AWG AU/NZ, UK, EU, Asia: 0.2m, 3x1.5mm <sup>2</sup> *All output cables are equipped with the magnet ring to meet EMC requirements.			
GENERAL INFORMATION	Control Knob	600W: MINIMUM - 400W - 600W - BOOST - LMC 800W: 400W - 600W - 800W - BOOST - LMC 1000W: 650W - 800W - 1000W - BOOST - LMC		
	Controller (Optional)	Able to connect to the Lucius Light Management Controller. Dimming, timing, temperature setting, simulating sunrise and sunset. See Lucius Light Management Controller instruction manual for more details,		
	Signal Wire	3,5mm Male Jumper Cable 5m		
	Ballast Dimension LxWxH	600W: 316x117x82,5mm 800W:302x190x106mm 1000W: 302x190x106mm		
	Ballast Weight	600W: 3,3Kg / 7,2lbs 800W: 4,4Kg / 9,7lbs 1000W: 4,5Kg / 9,9lbs		
	Compatible Lamp	600W: HPS 600W, HPS 600W/400V, HPS DE 600W/400V, MH 600W 800W: HPS DE 800W/400V 1000W: HPS 1000W, HPS DE 1000W/400V, MH 1000W		
	Certification			
	Regulatory Standards	IEC 61347-1:2007+A1:2010 (also as used AS/NZS 61347.1:2002) IEC 61347-2-12:2005+A1:2011 EN 55015(AS/NZS CISPR 15:2011) IEC 61000		
	Manufacturing Code	600W AU/NZ: LRCE-6002441-HM1CDHA US: LRCE-6002441-HM1CDHS UK: LRCE-6002441-HM1CDHR EU: LRCE-6002441-HM1CDHE 800W AU/NZ: LRCE-8002441-HM1CD5A US: LRCE-800122441-HM1CD5S UK: LRCE-8002441-HM1CD5K EU: LRCE-8002441-HM1CD5E 1000W AU/NZ: LRCE-10002441-HM1CD5A US: LRCE-1000122441-HM1CD5S UK: LRCE-10002441-HM1CD5K EU: LRCE-10002441-HM1CD5E		