

LUCIUS
MAXIMUS SLIM



Lucius Maximus digital ballasts are designed for maximum light output and efficiency. They are constructed from high strength aluminium to provide both durability and optimal thermal management.

The Maximus series has features that will suit both the hobby and professional gardener alike, including the ability to dim the light output to various levels as required.

CAUTION:

This ballast operates with high voltages and currents, and should not be opened, repaired or otherwise modified by unqualified persons. It is recommended that installation of this ballast is performed by a qualified installer.

OPERATING INSTRUCTIONS:

Before powering on the ballast, first ensure that it is securely connected to both a power source and a light fixture with a lamp installed. Operation of the ballast without a lamp installed may cause damage to equipment or harm to people.

Turning the dimming knob to the desired output level will reduce the power supplied to the lamp. Before using the dimming feature, first ensure that a dimming-compatible lamp is being used. More information regarding lamp compatibility can be found in the below table.

120/240V dual-voltage ballasts feature a removable Input power lead with an IEC plug. This must be securely installed into the ballast before operation.

SAFETY INSTRUCTIONS:

The ballasts are designed for indoor use only.

Ensure that the Input and Output leads are securely connected.

Always ensure that the ballast is being operated with a compatible lamp (see the Lamp Compatibility Table for more information).

DO NOT attempt to open, rewire or reconfigure any of the components of the lighting system. This will void the warranty and may cause serious injury or death.

This product complies with all necessary radio interference regulations, however, there may still be a radio interference effect on sensitive equipment. This ballast should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 9kHz – 1GHz. Move your ballast should any interference occur.

Always make sure that your ballast is kept clean and out of extremely damp conditions.

The ballast housing can be cleaned with a dry cloth. Keep away from sulphur and sulphur gas as this will damage your ballast.

Make sure that the ballast is always off the floor, and is always fastened securely.

Always keep your cords neat and tidy to eliminate any possibility of accidentally tripping over them or catching them on protruding objects.

If the ballast should go off for any reason, always allow the bulb to cool before restriking it again.

Do not turn the ballast on and off in a rapid manner as this may cause damage to your ballast and/or bulb.

BALLAST				
	REGION	NOMINAL VOLTAGE	VOLTAGE RANGE	P.F
Maximus Slim Ballast 400W	AU	240V	215~265V	≥0.97
	US	120/240V	110~265V	≥0.97
Maximus Slim Ballast 600W	AU	240V	215~265V	≥0.97
	US	120/240V	110~265V	≥0.97
Maximus Slim Ballast 600W 400V DE	AU	240V	215~265V	≥0.97
	US	240V	215~265V	≥0.97
Maximus Slim Ballast 1000W	AU	240V	215~265V	≥0.97
	US	120/240V	110~265V	≥0.97
Maximus Slim Ballast 1000W 400V DE	AU	240V	215~265V	≥0.97
	US	240V	215~265V	≥0.97

BALLAST	REGION	HPS		
		400W HPS E39/40	600W HPS E39/40	600W HPS HV E39/40
Maximus Slim Ballast 400W	AU	□		
	US	□		
Maximus Slim Ballast 600W	AU		□	
	US		□	
Maximus Slim Ballast 600W 400V DE	AU		□	□
	US		□	□
Maximus Slim Ballast 1000W	AU			
	US			
Maximus Slim Ballast 1000W 400V DE	AU			
	US			

Note: 600W DE: Dimming & Boost options are designed Just for HPS lamps. MH lamps can only match well with 600W setting.
1000W DE: Dimming & Boost options are designed Just for HPS lamps. MH lamps can only match well with 1000W setting.
All ballasts are backed up with the ignition delay (0-6S randomly) to reduce the starting current.

SPECIFICATION

INPUT FREQUENCY (HZ)	OUTPUT FREQUENCY (HZ)	MAX CURRENT	EFFICIENCY	THDV	POWER OPTIONS (W) (DIMMING)			
					Boost	400W	250W	200W
50/60Hz	>30KHz	2.1A	94%	<10%	Boost	400W	250W	200W
50/60Hz	>30KHz	2.1A@240V, 4.2A@120V	94%@240 93%@120V	<10%	Boost	400W	250W	200W
50/60Hz	>50KHz	3A	96%	<10%	Boost	600W	400W	250W
50/60Hz	>50KHz	3A@240V 6A@120V	94%@240 93%@120V	<10%	Boost	600W	400W	250W
50/60Hz	>100KHz	3A	97%	<10%	Boost	600W	400W	Min
50/60Hz	>100KHz	3A	97%	<10%	Boost	600W	400W	Min
50/60Hz	>50KHz	4.8A	96%	<10%	Boost	1000W	800W	600W
50/60Hz	>50KHz	5A@240V 10A@120V	96%@240V 94%@120V	<10%	Boost	1000W	800W	600W
50/60Hz	>100KHz	5.3A	97%	<10%	Boost	1000W	800W	650W
50/60Hz	>100KHz	5.3A	97%	<10%	Boost	1000W	800W	650W

COMPATIBLE LAMPS

HPS			MH		
600W HPS HV DE	1000W HPS HV E39/40	1000W HPS HV DE	400W MH E39/40	600W MH E39/40	1000W MH E39/40
			□		
			□		
				□	
				□	
□				□	
□				□	
	□				□
	□				□
	□	□			□
	□	□			□

Dimming & boosting the MH lamps are not recommended.
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WARRANTY CONDITIONS

This warranty is only valid for appliances used according to the manufacturer's instructions.

This appliance must not be modified or changed in any way. Connection must be to the voltage requirements as specified in the ratings label located on the product.

The manufacturer does not accept liability for any direct or consequential damage, loss or other expense arising from misuse or incorrect installation and operation of the appliance.

Warranty will only be given where proof of purchase is provided, e.g. original invoice.

Do not send in this warranty. Fill out the following details and file with your purchase invoice. Your purchase receipt/ invoice is proof of date of purchase. You must be able to

present it at the place of purchase to obtain a replacement or a refund.

Western Electrical reserves the right to discontinue items, modify designs and change specifications without incurring obligation. Whilst every effort is made to ensure that descriptions, specifications and other information in this publication is correct, no warranty is given in respect thereof and the company shall not be liable for any errors therein.

Purchased from:

Co. name:.....

Address:

Date of purchase:.....

NOTE: Consistent with our continuing product development policy, improvements may have been made which render the contents of this package slightly different to that shown.

CONDITIONS DE GARANTIE

Cette garantie n'est valide que pour les appareils utilisés conformément aux instructions du fabricant. Cet appareil ne doit être modifié ou changé en aucune manière. La connexion doit être faite selon les exigences de tension spécifiées sur l'étiquette collée sur le produit. Le fabricant n'est pas responsable des dommages directs ou indirects, des pertes ou d'autres dépenses résultant de la mauvaise utilisation ou d'une mauvaise installation et exploitation de l'appareil.

La garantie ne sera donnée que sur présentation d'une preuve d'achat, comme la facture originale par exemple.

N'envoyez pas cette garantie. Remplissez les détails ci-après et envoyez-les avec votre facture d'achat. Votre reçu/ facture d'achat est la preuve de la date d'achat. Vous devez pouvoir présenter cette pièce au lieu d'achat pour obtenir un remplacement ou un remboursement.

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Acheté de:

Nom de la société:.....

Adresse:.....

Date d'achat:

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Esta garantía sólo es válida para aparatos que se usan de acuerdo a las instrucciones del fabricante. Este aparato no debe modificarse ni cambiarse de ninguna forma.

La conexión debe realizarse al voltaje especificado en la etiqueta ubicada en el producto. El fabricante no acepta ninguna responsabilidad legal por cualquier daño directo o consecuente, pérdida u otro gasto resultante del uso indebido o la incorrecta instalación y operación del aparato.

La garantía sólo se otorgará cuando se presente el comprobante de compra, p. ej., la factura original.

No envíe esta garantía. Llene la siguiente información y preséntela con su factura de compra. Su recibo/factura de compra es el comprobante de la fecha de compra. Debe poder presentarlo en el lugar de compra para obtener un reemplazo o reembolso.

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Comprado en:

Nombre de la empresa:.....

Domicilio:.....

Fecha de compra:

NOTA: Consistente con nuestra política de desarrollo continuo de productos, pudieron haberse hecho mejoras, lo cual haría que los contenidos de este paquete difieran ligeramente de las ilustraciones.

LUCIUS