

# PHILIPS

## LED lamps

### MR16, AR111 & Capsules

#### Dimmer Compatibility Guide



**MR16**



**AR111**



**Capsule**



# MR16 lamps

## Applicable Part Numbers

### MasterClass (Title 20)



9290030803 (573535)  
 9290030804 (573543)  
 9290030805 (573550)  
 9290030806 (573568)  
 9290031553 (577619)

### CorePro



9290030762 (573865)  
 9290030763 (573873)  
 9290030764 (573881)  
 9290030765 (573899)

### CorePro



9290030725 (573907)  
 9290030726 (573915)  
 9290030727 (573931)  
 9290030728 (573949)  
 9290030729 (573955)  
 9290030766 (573931)

### AirFlux



9290011231 (452514)  
 9290011232 (453506)  
 9290011233 (453498)

Transformer Company	Model Number	MasterClass (Title 20)				CorePro				CorePro				AirFlux																							
		Wall Box		Panel		Wall Box		Panel		Wall Box		Panel		Wall Box		Panel																					
		Lutron	Leviton	Lutron	Lutron	Lutron	Leviton	Lutron	Lutron	Lutron	Leviton	Lutron	Lutron	Leviton	Lutron	Lutron																					
		CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NTLV-600	RRD-6NA¹	SLV-600P	6615	IPE04²	GP (Harrier) Card with PHPM-MX-120¹	HW/LP-RPM-4U-120¹	LCP-1QIA-120FT with RPM-4A-120¹	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NTLV-600	RRD-6NA¹	SLV-600P	6615	IPE04²	GP (Harrier) Card with PHPM-MX-120¹	HW/LP-RPM-4U-120¹	LCP-1QIA-120FT with RPM-4A-120¹	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NTLV-600	RRD-6NA¹	SLV-600P	6615	IPE04²	GP (Harrier) Card with PHPM-MX-120¹	HW/LP-RPM-4U-120¹	LCP-1QIA-120FT with RPM-4A-120¹
GE/LightTech	LET-60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
GE/LightTech	LET-60-LW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
GE/LightTech	LET-75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Hatch	RS12-150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Hatch	RS12-15M-LED³	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Hatch	RS12-60M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Hatch	RS12-60M-LED³	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Hatch	RS12-80M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Keystone	KTET-150-1-SCP-DIM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Keystone	KTET-60-1-SCP-DIM-AL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Keystone	KTET-60-1-WC-F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Keystone	KTET-75-1-SCP-DIM-HV-AL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Philips	71A9743	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Transformer Company	Model Number	No Dimmer / Number of Lamps				No Dimmer / Number of Lamps				No Dimmer / Number of Lamps				No Dimmer / Number of Lamps																							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4																				
GE/LightTech	LET-60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
GE/LightTech	LET-60-LW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
GE/LightTech	LET-75	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
GE/LightTech	LET-75-277-R	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Hatch	RS12-150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Hatch	RS12-15M-LED³	✓	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓																			
Hatch	RS12-60M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Hatch	RS12-60M-LED³	✓	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓																			
Hatch	RS12-80-277M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Hatch	RS12-80M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Keystone	KTET-150-1-SCP-DIM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Keystone	KTET-60-1-SCP-DIM-AL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Keystone	KTET-60-1-WC-F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Keystone	KTET-75-1-SCP-DIM-HV-AL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Keystone	KTET-75-2-SCP-RJS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Luminiz	TRP60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Philips	71A9743	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
Philips	71A9833	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			
WAC Lighting	EN-1260-R2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																			

1. This dimmer has low end trim adjustment that may be used for optimal performance.
2. Audible noise may be observed when used with this dimmer, depending on the application.
3. This transformer should have less than Three(3) units on a single branch of mains.



No Flickering above 10%  
 No Flickering above 10% with minimum of 2 lamps  
 No Flickering above 10% with minimum of 3 lamps







No Flickering above 30%  
 No Flickering above 30% with minimum of 2 lamps  
 No Flickering above 30% with minimum of 3 lamps



Not Tested  
 Use of this dimmer/lamp combination not recommended  
 Flicker



**MR16 lamps**  
Applicable Part Numbers

		AirFlux2, 7W					AirFlux2, 8.5W					CorePro					CorePro																						
																																							
		9290011528 (461558) 9290011529 (461566) 9290011530 (461574) 9290011531 (461582) 9290011533 (461608) 9290011525 (461525) 9290011526 (461533) 9290011527 (461541) 9290012080 (461509)					9290011498 (457507) 9290011499 (457515) 9290011500 (457523) 9290011501 (457531) 9290011502 (457549) 9290011503 (457556) 9290011504 (457572)					9290018807 (533117) 9290018808 (533125) 9290018810 (533141) 9290018811 (533158)					9290018813 (533513) 9290018814 (533174) 9290018815 (533521) 9290018816 (533182) 9290018817 (533190) 9290018818 (533331)																						
		Wall Box		Panel			Wall Box		Panel			Wall Box		Panel			Wall Box		Panel																				
		Lutron		Leviton			Lutron		Leviton			Lutron		Leviton			Lutron		Leviton																				
Transformer Company	Model Number	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6615	IPE04 <sup>2</sup>	GP (Harrrier) Card with PHPM-MX-120 <sup>1</sup>	HW/LP-RPM-4U-120 <sup>1</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>1</sup>	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6615	IPE04 <sup>2</sup>	GP (Harrrier) Card with PHPM-MX-120 <sup>1</sup>	HW/LP-RPM-4U-120 <sup>1</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>1</sup>	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6615	IPE04 <sup>2</sup>	GP (Harrrier) Card with PHPM-MX-120 <sup>1</sup>	HW/LP-RPM-4U-120 <sup>1</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>1</sup>		
GE/LightTech	LET-60																																						
GE/LightTech	LET-60-LW																																						
GE/LightTech	LET-75																																						
Hatch	RSI2-150																																						
Hatch	RSI2-15M-LED <sup>3</sup>																																						
Hatch	RSI2-60M																																						
Hatch	RSI2-60M-LED <sup>3</sup>																																						
Hatch	RSI2-80M																																						
Keystone	KTET-150-1-SCP-DIM																																						
Keystone	KTET-60-1-SCP-DIM-AL																																						
Keystone	KTET-60-1-WC-F																																						
Keystone	KTET-75-1-SCP-DIM-HV-AL																																						
Philips	71A9743																																						
Transformer Company	Model Number	No Dimmer / Number of Lamps				No Dimmer / Number of Lamps				No Dimmer / Number of Lamps				No Dimmer / Number of Lamps																									
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4																						
GE/LightTech	LET-60																																						
GE/LightTech	LET-60-LW																																						
GE/LightTech	LET-75																																						
GE/LightTech	LET-75-277-R																																						
Hatch	RSI2-150																																						
Hatch	RSI2-15M-LED <sup>3</sup>																																						
Hatch	RSI2-60M																																						
Hatch	RSI2-60M-LED <sup>3</sup>																																						
Hatch	RSI2-80-277M																																						
Hatch	RSI2-80M																																						
Keystone	KTET-150-1-SCP-DIM																																						
Keystone	KTET-60-1-SCP-DIM-AL																																						
Keystone	KTET-60-1-WC-F																																						
Keystone	KTET-75-1-SCP-DIM-HV-AL																																						
Keystone	KTET-75-2-SCP-RJS																																						
Luminiz	TRP60																																						
Philips	71A9743																																						
Philips	71A9833																																						
WAC Lighting	EN-1260-R2																																						

1. This dimmer has low end trim adjustment that may be used for optimal performance.
2. Audible noise may be observed when used with this dimmer, depending on the application.
3. This transformer should have less than Three(3) units on a single branch of mains.

	No Flickering above 10%		Not Tested
	No Flickering above 30%		Use of this dimmer/lamp combination not recommended

# AR111 lamps

## Applicable Part Numbers

 <p><b>MasterClass AR111 lamps</b></p> <p>9290022384 (552448) 9290022385 (552406) 9290022390 (552414) 9290022391 (552422) 9290022393 (552430)</p>	 <p><b>MasterClass AR111 lamps</b></p> <p>9290022396 (552372) 9290022398 (552380) 9290022399 (552398)</p>	 <p><b>MasterClass AR111 lamps</b></p> <p>9290011703 (458554) 9290011702 (460147) 9290011704 (460154)</p>	 <p><b>MasterClass AR111 lamps</b></p> <p>9290011706 (458562) 9290011709 (458570) 9290011708 (460139)</p>
--	---	--	--

		Wall Box								Wall Box								Wall Box								Wall Box																													
		Lutron				Leviton				Lutron				Leviton				Lutron				Leviton				Lutron				Leviton																									
Transformer Company	Model Number	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NLV-600 <sup>1</sup>	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6613	6615	IPE04 <sup>2</sup>	IPM10	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NLV-600 <sup>1</sup>	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6613	6615	IPE04 <sup>2</sup>	IPM10	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NLV-600 <sup>1</sup>	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6613	6615	IPE04 <sup>2</sup>	IPM10	CTELV-303P	DVELV-300P	MAELV-600	MALV-600	NLV-600 <sup>1</sup>	NTLV-600	RRD-6NA <sup>1</sup>	SLV-600P	6613	6615	IPE04 <sup>2</sup>	IPM10						
GE/LightTech	LET-60																																																						
GE/LightTech	LET-60-LW																																																						
GE/LightTech	LET-75																																																						
Hatch	RS12-150																																																						
Hatch	RS12-15M-LED <sup>3</sup>																																																						
Hatch	RS12-60M																																																						
Hatch	RS12-60M-LED <sup>3</sup>																																																						
Hatch	RS12-80M																																																						
Keystone	KTET-150-1-SCP-DIM																																																						
Keystone	KTET-60-1-SCP-DIM-AL																																																						
Keystone	KTET-60-1-WC-F																																																						
Keystone	KTET-75-1-SCP-DIM-HV-AL																																																						
Luminiz	TRP60																																																						
Philips	71A9743																																																						



Transformer Company	Model Number	No Dimmer / Number of Lamps				No Dimmer / Number of Lamps				No Dimmer / Number of Lamps				No Dimmer / Number of Lamps			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
GE/LightTech	LET-60																
GE/LightTech	LET-60-LW																
GE/LightTech	LET-75-LW																
GE/LightTech	LET-75-277-R																
Hatch	RS12-150																
Hatch	RS12-15M-LED <sup>3</sup>																
Hatch	RS12-60M																
Hatch	RS12-60M-LED <sup>3</sup>																
Hatch	RS12-80-277M																
Hatch	RS12-80M																
Keystone	KTET-150-1-SCP-DIM																
Keystone	KTET-60-1-SCP-DIM-AL																
Keystone	KTET-60-1-WC-F																
Keystone	KTET-75-1-SCP-DIM-HV-AL																
Keystone	KTET-75-2-SCP-RJS																
Philips	71A9743																
Philips	71A9833																

1. This dimmer has low end trim adjustment that may be used for optimal performance.
2. Audible noise may be observed when used with this dimmer, depending on the application.
3. This transformer should have less than Three(3) units on a single branch of mains.

	No Flickering above 10%		Not Tested
	No Flickering above 30%		Use of this dimmer/lamp combination not recommended


# Capsule lamps


## Applicable Part Numbers

		MasterClass Specialty lamps								MasterClass Specialty lamps							
		 929001187 (458497)								 9290011318 (458513)							
		No Dimmer / Number of Lamps								No Dimmer / Number of Lamps							
		1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Transformer Company	Model Number																
GE/LighTech	LET-60																
GE/LighTech	LET-60-LW																
GE/LighTech	LET-75																
GE/LighTech	LET-75-277-R																
Hatch	RSI2-150																
Hatch	RSI2-15M-LED <sup>3</sup>																
Hatch	RSI2-60M																
Hatch	RSI2-60M-LED <sup>3</sup>																
Hatch	RSI2-80-277M																
Hatch	RSI2-80M																
Keystone	KTET-150-1-SCP-DIM																
Keystone	KTET-60-1-SCP-DIM-AL																
Keystone	KTET-60-1-WC-F																
Keystone	KTET-75-1-SCP-DIM-HV-AL																
Keystone	KTET-75-2-SCP-RJS																
Philips	71A9743																
Philips	71A9833																

1. This dimmer has low end trim adjustment that may be used for optimal performance.
2. Audible noise may be observed when used with this dimmer, depending on the application.
3. This transformer should have less than Three(3) units on a single branch of mains.

1. Transformer load is limited to 20% of the halogen rating unless other value recommended by the transformer manufacturer.
2. Number of Lamps = (Transformer Watts x 20%) / (Lamp Watts).
3. Transformers designed for LED loads are not subjected to this de-rating rule.
4. One lamp tested.
5. Absence of a dimmer/transformer from this chart does not imply incompatibility.

 No Flickering above 10%

 Use of this dimmer/lamp combination not recommended



© 2022 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

PLt-21015CR 09/22 [philips.com/lighting](https://philips.com/lighting)

Signify North America Corporation  
200 Franklin Square Drive,  
Somerset, NJ 08873  
Telephone 855-486-2216

Signify Canada Ltd.  
281 Hillmount Road,  
Markham, ON, Canada L6C 2S3  
Telephone 800-668-9008

Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.