

**Philips LED Lamps**  
**6.5W AirFlux**



Applicable Philips Part Numbers
9290011231 (452514)
9290011232 (453506)
9290011233 (453498)

				WITHOUT DIMMER							
				Number of Lamps							
				1	2	3	4	5	6	7	8
Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV								
	RS12-80	80	ELV								
	RS12-80-277M	80	ELV								
	RS12-150	150	ELV								
	RS12-15M-LED	15	ELV								
	RS12-60M-LED*	60	ELV								
GE / LightTech	LET 60	60	ELV								
	LET-60-LW	60	ELV								
	LET-75	75	ELV								
	LET-75-277-R	75	ELV								
	Keystone	KTET-60-1-WC-F	60								
KTET-60-1-SCP-DIM-AL		60	ELV								
KTET-75-2-SCP-RJS		75	ELV								
KTET-75-1-SCP-DIM-HV-AL		75	ELV								
Philips	KTET-150-1-SCP-DIM	150	ELV								
	71A9743	75	MLV								
	71A9833	75	MLV								

KEY	
<b>PASS</b>	Transformer/lamp combination is compatible for the quantity of lamps indicated
<b>FAIL</b>	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**6.5W AirFlux**



Applicable Philips Part Numbers
9290011231 (452514)
9290011232 (453506)
9290011233 (453498)

WALL BOX DIMMERS											
Lutron								Leviton			
MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10

PANEL DIMMERS			
Lutron			
GP (Harrier) Card with PHPM-WMX-120 <sup>2</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>2</sup>	GP (Harrier) Card <sup>2</sup>	HW/LP-RPM-4U-120 <sup>2</sup>

Transformer Brand	Part #	Type	Number of Lamps	MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10
HATCH	RS12-60M	ELV	1	8-99%	4-100%	4-100%	5-99%	NR	NR	NR	NR	32-98%	26-99%	NR	NR
	RS12-80	ELV	1	9-98%	3-99%	4-99%	5-98%	NR	NR	NR	NR	34-99%	28-98%	NR	NR
	RS12-80-277M	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	RS12-150	ELV	1	5-98%	3-99%	4-99%	4-99%	NR	NR	NR	NR	41-98%	35-99%	NR	NR
	RS12-15M-LED	ELV	1	4-99%	3-98%	4-99%	5-98%	NR	NR	NR	NR	47-99%	39-98%	NR	NR
GE / LightTech	LET-60M-LED	ELV	1	6-99%	3-97%	5-100%	4-99%	NR	NR	NR	NR	37-99%	31-98%	NR	NR
	LET-60-LW	ELV	1	12-99%	4-98%	3-100%	5-99%	NR	NR	NR	NR	34-99%	24-98%	NR	NR
	LET-75	ELV	1	10-99%	5-99%	5-98%	4-100%	NR	NR	NR	NR	32-99%	21-100%	NR	NR
Keystone	LET-75-277-R	ELV	1	20-100%	17-100%	10-100%	10-100%	NR	NR	NR	NR	27-100%	35-100%	NR	NR
	KTET-60-1-WC-F	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	KTET-60-1-SCP-DIM-AL	ELV	1	5-99%	4-100%	4-98%	3-99%	NR	NR	NR	NR	45-99%	29-97%	NR	NR
	KTET-75-2-SCP-RJS	ELV	1	10-99%	9-94%	8-97%	4-99%	NR	NR	NR	NR	34-98%	23-99%	NR	NR
Philips	KTET-75-1-SCP-DIM-HV-AL	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	KTET-150-1-SCP-DIM	ELV	1	13-99%	8-99%	6-98%	4-100%	NR	NR	NR	NR	29-99%	19-98%	NR	NR
	71A9743	MLV	1	9-99%	8-98%	4-99%	4-99%	NR	NR	NR	NR	33-99%	22-98%	NR	NR
71A9833	MLV	1	NR	4-98%	NR	NR	4-99%	5-99%	5-98%	5-100%	NR	NR	13-98%	35-93%	NR
				NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

36-100%	1-100%	NR	NR
36-100%	1-100%	NR	NR
NR	NR	NR	NR
35-100%	1-100%	NR	NR
36-100%	1-100%	NR	NR
35-100%	1-100%	NR	NR
36-100%	4-100%	NR	NR
35-100%	1-100%	NR	NR
10-100%	7-100%	NR	NR
NR	NR	NR	NR
35-100%	7-100%	NR	NR
36-100%	5-100%	NR	NR
NR	NR	NR	NR
37-100%	5-100%	NR	NR
38-100%	1-100%	NR	NR
NR	NR	34-100%	1-100%
NR	NR	NR	NR

<sup>1</sup> Audible noise may be observed when used with this dimmer, depending on the application.

<sup>2</sup> This dimmer has low end trim adjustment that may be used for optimal performance.

KEY (May exhibit one or several of the described parameters within the group)	
Best	No flicker observed in specified dimming range. Possible minor pop-on.
NR	Use of this dimmer/lamp combination not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Dimmer/Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**7W AirFlux**



Applicable Philips Part Numbers	
9290002627	(432658)
9290002628	(432666)
9290002629	(432674)
9290002373	(432591)
9290002374	(432609)
9290002375	(432617)
9290002376	(432625)
9290002377	(432633)
9290002378	(432641)
9290002630	(433623)
9290002631	(433631)
9290002633	(433649)
9290002634	(433656)

				WITHOUT DIMMER							
				Number of Lamps							
				1	2	3	4	5	6	7	8
Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV	PASS							
	RS12-80	80	ELV								
	RS12-80-277M	80	ELV								
	RS12-150	150	ELV								
	RS12-15M-LED	15	ELV								
	RS12-60M-LED*	60	ELV								
GE / LightTech	LET 60	60	ELV	PASS							
	LET-60-LW	60	ELV								
	LET-75	75	ELV								
	LET-75-277-R	75	ELV								
Keystone	KTET-60-1-WC-F	60	ELV	PASS							
	KTET-60-1-SCP-DIM-AL	60	ELV								
	KTET-75-2-SCP-RJS	75	ELV								
	KTET-75-1-SCP-DIM-HV-AL	75	ELV								
	KTET-150-1-SCP-DIM	150	ELV								
Philips	71A9743	75	MLV	FAIL							
	71A9833	75	MLV								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**7W AirFlux**



Applicable Philips Part Numbers	
9290002627 (432658), 9290002628 (432666), 9290002629 (432674), 9290002373 (432591)	
9290002374 (432609), 9290002375 (432617), 9290002376 (432625), 9290002377 (432633)	
9290002378 (432641), 9290002630 (433623), 9290002631 (433631), 9290002633 (433649)	
9290002634 (433656)	

				WALL BOX DIMMERS											
				Lutron								Leviton			
				MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10
Transformer Brand	Part #	Type	Number of Lamps												
HATCH	RS12-60M	ELV	1	7-100%	4-98%	4-100%	6-94%	NR	NR	NR	NR	41-99%	30-100%	NR	NR
	RS12-80	ELV	1	6-100%	5-98%	4-100%	4-99%	NR	NR	NR	NR	39-100%	28-100%	NR	NR
	RS12-80-277M	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	RS12-150	ELV	1	5-99%	6-99%	5-100%	4-91%	NR	NR	NR	NR	38-100%	26-100%	NR	NR
	RS12-15M-LED	ELV	1	5-100%	5-99%	3-100%	7-99%	NR	NR	NR	NR	41-100%	30-100%	NR	NR
	RS12-60M-LED	ELV	1	5-99%	8-98%	3-100%	5-99%	NR	NR	NR	NR	42-100%	29-100%	NR	NR
GE / LightTech	LET 60	ELV	1	6-100%	3-98%	4-100%	6-94%	NR	NR	NR	NR	32-100%	21-100%	NR	NR
	LET-60-LW	ELV	1	12-99%	7-99%	5-99%	5-98%	NR	NR	NR	NR	41-100%	28-100%	NR	NR
	LET-75	ELV	1	20-100%	17-100%	10-100%	10-100%	NR	NR	NR	NR	27-100%	35-100%	NR	NR
Keystone	LET-75-277-R	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	KTET-60-1-WC-F	ELV	1	8-99%	8-98%	4-99%	6-94%	NR	NR	NR	NR	35-100%	28-100%	NR	NR
	KTET-60-1-SCP-DIM-AL	ELV	1	7-100%	5-99%	3-100%	7-94%	NR	NR	NR	NR	7-99%	7-100%	NR	NR
	KTET-75-2-SCP-RJS	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Philips	KTET-75-1-SCP-DIM-HV-AL	ELV	1	5-99%	4-98%	3-100%	7-100%	NR	NR	NR	NR	7-98%	7-96%	NR	NR
	KTET-150-1-SCP-DIM	ELV	1	5-100%	9-98%	7-79%	5-60%	NR	NR	NR	NR	7-76%	7-100%	NR	NR
	71A9743	MLV	1	NR	4-98%	NR	NR	4-99%	37-100%	40-100%	5-100%	NR	NR	33-100%	40-100%
	71A9833	MLV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

PANEL DIMMERS			
Lutron			
GP (Harrier) Card with PHPM-WMX-120 <sup>2</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>2</sup>	GP (Harrier) Card <sup>2</sup>	HW/LP-RPM-4U-120 <sup>2</sup>
36-100%	1-100%	NR	NR
36-100%	1-100%	NR	NR
NR	NR	NR	NR
35-100%	1-100%	NR	NR
36-100%	1-100%	NR	NR
35-100%	1-100%	NR	NR
36-100%	4-100%	NR	NR
35-100%	1-100%	NR	NR
10-100%	7-100%	NR	NR
NR	NR	NR	NR
35-100%	7-100%	NR	NR
36-100%	5-100%	NR	NR
NR	NR	NR	NR
37-100%	5-100%	NR	NR
38-100%	1-100%	NR	NR
NR	NR	34-100%	1-100%
NR	NR	NR	NR

<sup>1</sup> Audible noise may be observed when used with this dimmer, depending on the application.

<sup>2</sup> This dimmer has low end trim adjustment that may be used for optimal performance.

KEY (May exhibit one or several of the described parameters within the group)	
Best	No flicker observed in specified dimming range. Possible minor pop-on.
NR	Use of this dimmer/lamp combination not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Dimmer/Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**10W High Output**



Applicable Philips Part Numbers
9290002600 (432393)
9290002601 (432401)
9290002602 (432419)
9290002603 (432427)
9290002604 (432435)
9290002605 (432443)

				WITHOUT DIMMER							
				Number of Lamps							
				1	2	3	4	5	6	7	8
Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV								
	RS12-80	80	ELV								
	RS12-80-277M	80	ELV								
	RS12-150	150	ELV								
	RS12-15M-LED	15	ELV								
	RS12-60M-LED	60	ELV								
GE / LightTech	LET 60	60	ELV								
	LET-60-LW	60	ELV								
	LET-75	75	ELV								
	LET-75-277-R	75	ELV								
	KTET-60-1-WC-F	60	ELV								
	KTET-60-1-SCP-DIM-AL	60	ELV								
Keystone	KTET-75-2-SCP-RJS	75	ELV								
	KTET-75-1-SCP-DIM-HV-AL	75	ELV								
Philips	KTET-150-1-SCP-DIM	150	ELV								
	71A9743	75	MLV								
	71A9833	75	MLV								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**10W High Output**



Applicable Philips Part Numbers	
9290002600 (432393), 9290002601 (432401), 9290002602 (432419), 9290002603 (432427)	
9290002604 (432435), 9290002605 (432443)	

Transformer Brand	Part #	Type	Number of Lamps
HATCH	RS12-60M	ELV	1
	RS12-80	ELV	1
	RS12-80-277M	ELV	1
	RS12-150	ELV	1
	RS12-15M-LED	ELV	1
	RS12-60M-LED	ELV	1
GE / LightTech	LET 60	ELV	1
	LET-60-LW	ELV	1
	LET-75	ELV	1
	LET-75-277-R	ELV	1
Keystone	KTET-60-1-WC-F	ELV	1
	KTET-60-1-SCP-DIM-AL	ELV	1
	KTET-75-2-SCP-RJS	ELV	1
	KTET-75-1-SCP-DIM-HV-AL	ELV	1
Philips	71A9743	MLV	1
	71A9833	MLV	1

WALL BOX DIMMERS													
Lutron								Leviton					
MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10		
6-100%	5-98%	6-100%	34-100%	NR	NR	NR	NR	34-100%	25-100%	NR	NR		
7-100%	4-99%	6-99%	4-99%	NR	NR	NR	NR	35-100%	18-100%	NR	NR		
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
6-100%	7-98%	6-100%	6-100%	NR	NR	NR	NR	30-100%	20-100%	NR	NR		
9-100%	4-99%	6-100%	8-100%	NR	NR	NR	NR	38-100%	26-100%	NR	NR		
5-100%	5-98%	5-99%	6-99%	NR	NR	NR	NR	33-100%	20-100%	NR	NR		
6-100%	4-99%	5-100%	6-100%	NR	NR	NR	NR	24-100%	13-100%	NR	NR		
6-100%	5-99%	6-100%	6-100%	NR	NR	NR	NR	38-100%	28-100%	NR	NR		
3-100%	8-100%	6-100%	11-100%	NR	NR	NR	NR	38-100%	38-100%	NR	NR		
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
6-100%	5-100%	7-100%	8-100%	NR	NR	NR	NR	34-100%	25-100%	NR	NR		
6-100%	5-100%	4-100%	6-100%	NR	NR	NR	NR	8-100%	6-100%	NR	NR		
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
6-100%	3-99%	5-100%	6-100%	NR	NR	NR	NR	6-100%	6-100%	NR	NR		
6-100%	6-98%	6-100%	6-100%	NR	NR	NR	NR	6-100%	6-100%	NR	NR		
NR	4-98%	NR	NR	5-98%	29-100%	37-100%	5-98%	NR	NR	25-100%	34-100%		
NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		

PANEL DIMMERS			
Lutron			
GP (Harrier) Card with PHPM-WMX-120 <sup>2</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>2</sup>	GP (Harrier) Card <sup>2</sup>	HW/LP-RPM-4U-120 <sup>2</sup>
35-100%	1-100%	NR	NR
36-100%	2-100%	NR	NR
NR	NR	NR	NR
35-100%	1-100%	NR	NR
36-100%	1-100%	NR	NR
35-100%	2-100%	NR	NR
35-100%	4-100%	NR	NR
36-100%	1-100%	NR	NR
5-100%	10-100%	NR	NR
NR	NR	NR	NR
35-100%	5-100%	NR	NR
35-100%	6-100%	NR	NR
NR	NR	NR	NR
36-100%	36-100%	NR	NR
37-100%	37-100%	NR	NR
NR	NR	34-100%	1-100%
NR	NR	NR	NR

<sup>1</sup> Audible noise may be observed when used with this dimmer, depending on the application.

<sup>2</sup> This dimmer has low end trim adjustment that may be used for optimal performance.

KEY (May exhibit one or several of the described parameters within the group)	
Best	No flicker observed in specified dimming range. Possible minor pop-on.
NR	Use of this dimmer/lamp combination not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

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**Philips LED Lamps**  
**6.5W WarmGlow**



Applicable Philips Part Numbers  
9290011278 (454538)  
9290011279 (454546)

WITHOUT DIMMER							
Number of Lamps							
1	2	3	4	5	6	7	8

Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV								
	RS12-80	80	ELV								
	RS12-80-277M	80	ELV								
	RS12-150	150	ELV								
	RS12-15M-LED	15	ELV								
	RS12-60M-LED*	60	ELV								
GE / LightTech	LET 60	60	ELV								
	LET-60-LW	60	ELV								
	LET-75	75	ELV								
	LET-75-277-R	75	ELV								
Keystone	KTET-60-1-WC-F	60	ELV								
	KTET-60-1-SCP-DIM-AL	60	ELV								
	KTET-75-2-SCP-RJS	75	ELV								
	KTET-75-1-SCP-DIM-HV-AL	75	ELV								
	KTET-150-1-SCP-DIM	150	ELV								
Philips	71A9743	75	MLV								
	71A9833	75	MLV								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**6.5W WarmGlow**



Applicable Philips Part Numbers
9290011278 (454538)
9290011279 (454546)

WALL BOX DIMMERS											
Lutron								Leviton			
MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10

PANEL DIMMERS			
Lutron			
GP (Harrier) Card with PHPM-WMX-120 <sup>2</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>2</sup>	GP (Harrier) Card <sup>2</sup>	HW/LP-RPM-4U-120 <sup>2</sup>

Transformer Brand	Part #	Type	Number of Lamps	MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10
HATCH	RS12-60M	ELV	1	4-98%	5-99%	5-99%	4-99%	NR	NR	NR	NR	32-99%	23-98%	NR	NR
	RS12-80	ELV	1	7-99%	4-99%	4-99%	5-99%	NR	NR	NR	NR	32-99%	27-98%	NR	NR
	RS12-80-277M	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	RS12-150	ELV	1	5-98%	4-99%	4-99%	3-99%	NR	NR	NR	NR	39-98%	35-99%	NR	NR
	RS12-15M-LED	ELV	1	7-99%	3-98%	4-99%	4-98%	NR	NR	NR	NR	47-98%	39-98%	NR	NR
GE / LightTech	RS12-60M-LED	ELV	1	6-99%	3-97%	5-99%	6-99%	NR	NR	NR	NR	37-99%	29-98%	NR	NR
	LET-60	ELV	1	13-99%	5-99%	3-99%	5-99%	NR	NR	NR	NR	33-99%	23-98%	NR	NR
	LET-60-LW	ELV	1	13-99%	5-99%	5-98%	4-100%	NR	NR	NR	NR	33-99%	25-100%	NR	NR
	LET-75	ELV	1	4-100%	2-99%	6-100%	1-100%	NR	NR	NR	NR	32-100%	31-100%	NR	NR
Keystone	LET-75-277-R	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	KTET-60-1-WC-F	ELV	1	4-100%	4-100%	4-98%	3-99%	NR	NR	NR	NR	43-99%	24-98%	NR	NR
	KTET-60-1-SCP-DIM-AL	ELV	1	9-98%	9-94%	8-97%	4-100%	NR	NR	NR	NR	34-98%	23-99%	NR	NR
	KTET-75-2-SCP-RJS	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Philips	KTET-75-1-SCP-DIM-HV-AL	ELV	1	11-99%	8-99%	6-98%	5-100%	NR	NR	NR	NR	24-99%	18-98%	NR	NR
	KTET-150-1-SCP-DIM	ELV	1	11-99%	7-98%	4-99%	5-99%	NR	NR	NR	NR	31-99%	21-99%	NR	NR
	71A9743	MLV	1	NR	4-98%	NR	NR	NR	NR	NR	4-99%	3-100%	5-100%	NR	NR
71A9833	MLV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

1-100%	4-100%	NR	NR
1-99%	3-100%	NR	NR
NR	NR	NR	NR
1-100%	4-100%	NR	NR
2-100%	7-99%	NR	NR
2-100%	7-100%	NR	NR
4-99%	1-100%	NR	NR
1-99%	2-100%	NR	NR
4-98%	2-100%	NR	NR
NR	NR	NR	NR
2-99%	2-100%	NR	NR
4-100%	33-97%	NR	NR
NR	NR	NR	NR
5-100%	4-97%	NR	NR
2-94%	3-100%	NR	NR
NR	NR	1-100%	1-100%
NR	NR	NR	NR

<sup>1</sup> Audible noise may be observed when used with this dimmer, depending on the application.

<sup>2</sup> This dimmer has low end trim adjustment that may be used for optimal performance.

KEY (May exhibit one or several of the described parameters within the group)	
Best	No flicker observed in specified dimming range. Possible minor pop-on.
NR	Use of this dimmer/lamp combination not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Dimmer/Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**6.6W AirFlux2**



Applicable Philips Part Numbers  
9290011518 (454785)  
9290011522 (457606)

				WITHOUT DIMMER							
				Number of Lamps							
				1	2	3	4	5	6	7	8
Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV								
	RS12-80	80	ELV								
	RS12-80-277M	80	ELV								
	RS12-150	150	ELV								
	RS12-15M-LED	15	ELV								
	RS12-60M-LED*	60	ELV								
GE / LightTech	LET 60	60	ELV								
	LET-60-LW	60	ELV								
	LET-75	75	ELV								
	LET-75-277-R	75	ELV								
Keystone	KTET-60-1-WC-F	60	ELV								
	KTET-60-1-SCP-DIM-AL	60	ELV								
	KTET-75-2-SCP-RJS	75	ELV								
	KTET-75-1-SCP-DIM-HV-AL	75	ELV								
	KTET-150-1-SCP-DIM	150	ELV								
Philips	71A9743	75	MLV								
	71A9833	75	MLV								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**6.6W AirFlux2**



Applicable Philips Part Numbers
9290011518 (454785), 9290011522 (457606)

				WALL BOX DIMMERS											
				Lutron						Leviton					
				MAELV-600	RRD-6NA <sup>2</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10
Transformer Brand	Part #	Type	Number of Lamps												
HATCH	RS12-60M	ELV	1					NR	NR	NR	NR			NR	NR
	RS12-80	ELV	1					NR	NR	NR	NR	NR		NR	NR
	RS12-80-277M	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	RS12-150	ELV	1					NR	NR	NR	NR			NR	NR
	RS12-15M-LED	ELV	1					NR	NR	NR	NR			NR	NR
GE / LightTech	RS12-60M-LED	ELV	1					NR	NR	NR	NR			NR	NR
	LET 60	ELV	1			NR		NR	NR	NR	NR			NR	NR
	LET-60-LW	ELV	1					NR	NR	NR	NR			NR	NR
	LET-75	ELV	1					NR	NR	NR	NR			NR	NR
Keystone	LET-75-277-R	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	KTET-60-1-WC-F	ELV	1					NR	NR	NR	NR			NR	NR
	KTET-60-1-SCP-DIM-AL	ELV	1					NR	NR	NR	NR			NR	NR
	KTET-75-2-SCP-RJS	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Philips	KTET-75-1-SCP-DIM-HV-AL	ELV	1					NR	NR	NR	NR			NR	NR
	KTET-150-1-SCP-DIM	ELV	1					NR	NR	NR	NR	2 lamp		NR	NR
	71A9743	MLV	1	NR		NR	NR					NR	NR		
	71A9833	MLV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

				PANEL DIMMERS			
				Lutron			
GP (Harrier) Card with PHPM-WMX-120 <sup>2</sup>		LCP-1Q1A-120FT with RPM-4A-120 <sup>2</sup>		GP (Harrier) Card <sup>2</sup>		HW/LP-RPM-4U-120 <sup>2</sup>	
						NR	NR
NR		NR			NR		NR
NR		NR			NR		NR
						NR	NR
						NR	NR
						NR	NR
						NR	NR
NR		NR			NR		NR
						NR	NR
						NR	NR
						NR	NR
NR		NR			NR		NR
NR		NR			NR		NR

<sup>1</sup> Audible noise may be observed when used with this dimmer, depending on the application.

<sup>2</sup> This dimmer has low end trim adjustment that may be used for optimal performance.

KEY (May exhibit one or several of the described parameters within the group)	
Best	No flicker observed in specified dimming range. Possible minor pop-on.
NR	Use of this dimmer/lamp combination not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Dimmer/Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**7W AirFlux2**



Applicable Philips Part Numbers
9290011528 (461558)
9290011529 (461566)
9290011530 (461574)
9290011531 (461582)
9290011532 (461590)
9290011533 (461608)
9290011525 (461525)
9290011526 (461533)
9290011527 (461541)
9290012080 (461509)

				WITHOUT DIMMER							
				Number of Lamps							
				1	2	3	4	5	6	7	8
Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV	PASS							
	RS12-80	80	ELV								
	RS12-80-277M	80	ELV								
	RS12-150	150	ELV								
	RS12-15M-LED	15	ELV								
	RS12-60M-LED*	60	ELV								
GE / LightTech	LET 60	60	ELV	PASS							
	LET-60-LW	60	ELV								
	LET-75	75	ELV								
Keystone	LET-75-277-R	75	ELV	PASS							
	KTET-60-1-WC-F	60	ELV								
	KTET-60-1-SCP-DIM-AL	60	ELV								
	KTET-75-2-SCP-RJS	75	ELV								
	KTET-75-1-SCP-DIM-HV-AL	75	ELV								
Philips	KTET-150-1-SCP-DIM	150	ELV	PASS							
	71A9743	75	MLV								
	71A9833	75	MLV								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**8.5W AirFlux2**



Applicable Philips Part Numbers
9290011498 (457507)
9290011499 (457515)
9290011500 (457523)
9290011501 (457531)
9290011502 (457549)
9290011503 (457556)
9290011504 (457572)

				WITHOUT DIMMER							
				Number of Lamps							
				1	2	3	4	5	6	7	8
Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	RS12-80	80	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	RS12-80-277M	80	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	RS12-150	150	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	RS12-15M-LED	15	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	RS12-60M-LED*	60	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
GE / LightTech	LET 60	60	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	LET-60-LW	60	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	LET-75	75	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
Keystone	LET-75-277-R	75	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	KTET-60-1-WC-F	60	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	KTET-60-1-SCP-DIM-AL	60	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	KTET-75-2-SCP-RJS	75	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	KTET-75-1-SCP-DIM-HV-AL	75	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
Philips	KTET-150-1-SCP-DIM	150	ELV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	71A9743	75	MLV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail
	71A9833	75	MLV	Pass	Fail	Fail	Fail	Fail	Fail	Fail	Fail

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**8.5W AirFlux2**



Applicable Philips Part Numbers	
9290011498 (457507), 9290011499 (457515), 9290011500 (457523), 9290011501 (457531)	
9290011502 (457549), 9290011503 (457556), 9290011504 (457572)	

				WALL BOX DIMMERS												
				Lutron							Leviton					
				MAELV-600	RRD-6NA <sup>3</sup>	CTELV-303P	DVELV-300P	MALV-600	SLV-600P	NTLV-600P	NLV-600 <sup>2</sup>	6615	IPE04	6613	IPM10	
Transformer Brand	Part #	Type	Number of Lamps													
HATCH	RS12-60M	ELV	1					NR	NR	NR	NR				NR	NR
	RS12-80M	ELV	1					NR	NR	NR	NR				NR	NR
	RS12-80-277M	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR
	RS12-150	ELV	1					NR	NR	NR	NR				NR	NR
	RS12-15M-LED	ELV	1					NR	NR	NR	NR				NR	NR
	RS12-60M-LED	ELV	1					NR	NR	NR	NR				NR	NR
GE / LightTech	LET 60	ELV	1					NR	NR	NR	NR				NR	NR
	LET-60-LW	ELV	1					NR	NR	NR	NR				NR	NR
	LET-75	ELV	1					NR	NR	NR	NR				NR	NR
	LET-75-277-R	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR
Keystone	KTET-60-1-WC-F	ELV	1					NR	NR	NR	NR				NR	NR
	KTET-60-1-SCP-DIM-AL	ELV	1					NR	NR	NR	NR				NR	NR
	KTET-75-2-SCP-RJS	ELV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		NR	NR
	KTET-75-1-SCP-DIM-HV-AL	ELV	1					NR	NR	NR	NR				NR	NR
	KTET-150-1-SCP-DIM	ELV	1					NR	NR	NR	NR				NR	NR
Philips	71A9743	MLV	1	NR		NR	NR					NR	NR			
	71A9833	MLV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

PANEL DIMMERS			
Lutron			
GP (Harrier) Card with PHPM-WMX-120 <sup>2</sup>	LCP-1Q1A-120FT with RPM-4A-120 <sup>2</sup>	GP (Harrier) Card <sup>2</sup>	HW/LP-RPM-4U-120 <sup>2</sup>
		NR	NR
		NR	NR
NR	NR	NR	NR
		NR	NR
		NR	NR
		NR	NR
		NR	NR
		NR	NR
NR	NR	NR	NR
		NR	NR
		NR	NR
NR	NR		
NR	NR	NR	NR

<sup>1</sup> Audible noise may be observed when used with this dimmer, depending on the application.  
<sup>2</sup> This dimmer has low end trim adjustment that may be used for optimal performance.

KEY (May exhibit one or several of the described parameters within the group)	
Best	No flicker observed in specified dimming range. Possible minor pop-on.
NR	Use of this dimmer/lamp combination not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Dimmer/Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.



**Philips LED Lamps**  
**10W Capsule Lamp (non-dimmable)**



Applicable Philips Part Numbers

9290011187 (458497)

				<b>NO DIMMER</b>																							
				Number of Lamps																							
				1	2	3	4	5	6	7	8																
Transformer																											
Brand	Part #	Power [W]	Type																								
HATCH	RS12-60M	60	ELV																								
	RS12-80M	80	ELV																								
	RS12-80-277M	80	ELV																								
	RS12-150	150	ELV																								
	RS12-15M-LED	15	ELV																								
	RS12-60M-LED	60	ELV																								
GE / LightTech	LET 60	60	ELV																	NR	NR						
	LET-60-LW	60	ELV																								
	LET-75-277-R	75	ELV																								
Keystone	KTET-60-1-WC-F	60	ELV																								
	KTET-60-1-SCP-DIM-AL	60	ELV																								
	KTET-75-2-SCP-RJS	75	ELV																								
	KTET-75-1-SCP-DIM-HV-AL	75	ELV																								
Philips	KTET-150-1-SCP-DIM	150	ELV																								
	71A9743	75	MLV																								
	71A9833	75	MLV																								
WAC	EN-1260-R-AR	60	ELV																								
	EN-1260-R2	60	ELV																								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**20W Capsule Lamp (non-dimmable)**



Applicable Philips Part Numbers  
 9290011318 (458513)

NO DIMMER							
Number of Lamps							
1	2	3	4	5	6	7	8

Transformer											
Brand	Part #	Power [W]	Type								
HATCH	RS12-60M	60	ELV	PASS				FAIL			
	RS12-80M	80	ELV	PASS				FAIL			
	RS12-80-277M	80	ELV	PASS				FAIL			
	RS12-150	150	ELV	PASS				FAIL			
	RS12-15M-LED	15	ELV	PASS				FAIL			
	RS12-60M-LED	60	ELV	PASS				FAIL			
GE / LightTech	LET 60	60	ELV	PASS				FAIL			
	LET-60-LW	60	ELV	PASS				FAIL			
Keystone	LET-75-277-R	75	ELV	PASS				FAIL			
	KTET-60-1-WC-F	60	ELV	PASS				FAIL			
	KTET-60-1-SCP-DIM-AL	60	ELV	PASS				FAIL			
	KTET-75-2-SCP-RJS	75	ELV	PASS				FAIL			
	KTET-75-1-SCP-DIM-HV-AL	75	ELV	PASS				FAIL			
Philips	KTET-150-1-SCP-DIM	150	ELV	PASS				FAIL			
	71A9743	75	MLV	PASS				FAIL			
WAC	71A9833	75	MLV	PASS				FAIL			
	EN-1260-R-AR	60	ELV	PASS				FAIL			
	EN-1260-R2	60	ELV	PASS				FAIL			

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.  
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**Philips LED Lamps**  
**15W AR111 (non-dimmable)**



Applicable Philips Part Numbers
9290011703 (458554)
9290011702 (460147)
9290011704 (460154)

NO DIMMER							
Number of Lamps							
1	2	3	4	5	6	7	8

Transformer													
Brand	Part #	Power [W]	Type										
HATCH	RS12-60M	60	ELV	PASS									
	RS12-80M	80	ELV										
	RS12-80-277M	80	ELV										
	RS12-150	150	ELV										
	RS12-15M-LED	15	ELV										
	RS12-60M-LED	60	ELV										
GE / LightTech	LET 60	60	ELV	PASS									
	LET-60-LW	60	ELV										
	LET-75-277-R	75	ELV		NR								
Keystone	KTET-60-1-WC-F	60	ELV	PASS									
	KTET-60-1-SCP-DIM-AL	60	ELV										
	KTET-75-2-SCP-RJS	75	ELV										
	KTET-75-1-SCP-DIM-HV-AL	75	ELV										
	KTET-150-1-SCP-DIM	150	ELV										
Philips	71A9743	75	MLV	PASS									
	71A9833	75	MLV		NR								

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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**Philips LED Lamps**  
**20W AR111 (non-dimmable)**



Applicable Philips Part Numbers
9290011706 (458562)
9290011709 (458570)
9290011708 (460139)

NO DIMMER							
Number of Lamps							
1	2	3	4	5	6	7	8

Transformer												
Brand	Part #	Power [W]	Type									
HATCH	RS12-60M	60	ELV	PASS								
	RS12-80M	80	ELV									
	RS12-80-277M	80	ELV									
	RS12-150	150	ELV									
	RS12-15M-LED	15	ELV									
	RS12-60M-LED	60	ELV									
GE / LightTech	LET 60	60	ELV									
	LET-60-LW	60	ELV									
	LET-75-277-R	75	ELV									
Keystone	KTET-60-1-WC-F	60	ELV									
	KTET-60-1-SCP-DIM-AL	60	ELV									
	KTET-75-2-SCP-RJS	75	ELV									
	KTET-75-1-SCP-DIM-HV-AL	75	ELV									
	KTET-150-1-SCP-DIM	150	ELV									
Philips	71A9743	75	MLV									
	71A9833	75	MLV									

KEY	
PASS	Transformer/lamp combination is compatible for the quantity of lamps indicated
FAIL	Transformer/lamp combination is not recommended for the quantity of lamps indicated.

Note:  
 (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 derating rule.

\*Transformer tested only to the quantity of lamps indicated. May work similarly with additional lamps.

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