







【B to B : Professional LED】

Panasonic GU5.3 12V Halogen LED Non-Dimmer Transformer Compatibility – Recommended Transformer List

	: No Flicker 1~5 lamp
	: No flicker with X-Y lamp(X,Y:number of lamps)
	: No Compatibility
	: Configuration not tested



28-02-2014

No.	Company	Model #	  LDR12V4L27MG5 LDR12V4L27WG5 LDR12V4W40MG5 LDR12V4W40WG5 (4W type)	  LDR12V6L27MG5D LDR12V6L27WG5D LDR12V6W40MG5D LDR12V6W40WG5D (6W type)	  LDR12V10L27MG5D LDR12V10L27WG5D LDR12V10W40MG5D LDR12V10W40WG5D (8W type)
1	ABB	ETR 50-230/12KF	x	x	1-5
2		ETR 70-230/12KF	x	x	1-5
3		ETR 105-230/12KF	x	x	1-5
4	ALS	TRE-105	x	x	-
5	Art.	125/105SA	-	-	-
6	GENERAL LIGHTING	1200-0	-	-	-
7	GIRA	0366 00	1-5	1-5	-
8		0367 00 SNT40	1-5	1-5	1-5
9	JUNG	SNT 40	1-5	1-5	-
10		SNT 70 Q	1-5	1-5	-
11		SNT 105 F	1-5	1-5	-
12	MOLTO LUCE	T 105	x	x	1-5
13	NATIONAL ELECTRIC		-	-	1-5
14	nobile	EN-60D	1-5	1-5	2-5
15		EN-110D	1-5	1-5	-
16		EN-150D	1-5	1-5	-
17		EN-200D	x	x	-
18		EN 250D	x	x	-
19	OSRAM	ET-A 60/220-240	x	x	1-5
20		ET PARROT 150W/220-240	x	x	1-5
21		ET 70VA/220-240	x	x	1-5
22		ET 105VA/220-240	x	x	1-5
23		HTL 105/230-240	3-5	3-5	1-5
24		HTL 225/230-240	x	x	-
25		HTM 70/230-240	1	x	1-5
26		HTM 105/230-240	1-5	1-5	1-5
27		HTM 150/230-240	x	x	1-5
28	HTN 75/230-240	x	x	1-5	
29	Philips	ET-E 60/220-240	2-5	2-5	1-5
30		Primaline70 230-240	x	x	2-5
31		Primaline150 230-240	1-5	1-5	1-5
32	PROTEC	PTEL E 35	1-5	1-5	2-5
33		PTEL R 60	2-5	1-5	1-5
34		PTEL 70K	1-5	1-5	-
35		PTEL 110	1-5	1-5	2-5
36		PTEL SK 110	x	x	-
37	Relco	RN1604	x	x	5
38		RN1650	2-5	1-5	2-5
39	VOSSLOH SCHWABE	EST35/12.650	1-5	1-5	1-5
40		EST60/12.388	x	x	2-5
41		EST60/12.633	x	x	1-5
42		EST60/12.635	x	x	1-5
43		EST70/12.380	x	x	1-5
44		EST105/12.381	x	x	1-5
45		EST105/12.644	x	4-5	1-5
46	EST150/12.622	x	x	1-5	

- In specific range, there is possibility that flicker happen.
- Please reference the Transformer manufacturer's instructions for installation.
- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors.
- This experimental results only checked with 230V.
In case of input voltage is very high, there is some possibility the result may change.
- This list is not guarantee performance and safty. Please check in actual situation.

[B to B : Professional LED]

Panasonic GU5.3 35W equivalent Halogen LED Dimmer Compatibility – Recommended Dimmer and Transformer List

X-Y Lx percentage of dimming range
 10-100% Dimmable range is from 10%-100%
 30-100% Dimmable range is from 30%-100%
 40-100% Dimmable range is from 40%-100%
 Not recommended. The majority of configurations show undesirable dimming behavior
 Configuration not tested
 Lamp is not designed for use with this dimmer type
 New added since previous version



Recommended Dimmer & Transformer List								Transformer										
LDR12V8L27MG5D LDR12V8L27WG5D LDR12V8L30MG5D LDR12V8L30WG5D								Manufacturer	Relco	Relco	Osrarn	Nobile	VOSSLOH SCHWABE	PROTEC				
								Type	S 50 DT-C (Magnetic)	ICE 105 PFS TH	HTM105/230-240	EN-60D	EST105/12.644	PTL110				
								Load	L	C	R.L.C	C	LC	C				
Dimmer	Manufacturer	Type	Load	W/VA	DownTrans	Trailing/Leading	Adjust vol.	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
	ALTENBURGER	50.13.010	R.L	1300W	60-150	Magnetic	Leading	Min./Max.	1 2 5	1 20-100%	1 2 5		2 2 5		2 2 5		1 2 5	
		50.13.110	R.C	700W	15-150	Electronic	Trailing	Min./Max.	1 2 5	1 20-100%	1 2 5	1 20-100%	1 2 5	1 20-100%	1 3 5	1 10-100%	1 2 5	1 2 5
		50.13.111	R.C	1400W	15-150	Electronic	Trailing	Min./Max.	1 2 5	1 30-100%	1 2 5	1 20-100%	1 2 5	1 20-100%	1 1-2 3	1 10-100%	1 2 5	1 2 3-5
50.13.210		R.L	2000W	60-150	Magnetic	Leading	Min./Max.	1 2 5	1 30-100%	1 2 5	1 20-100%	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	
80.13.064	R.C	1400W	60-150	Electronic	Trailing	Min./Max.	1 2 5	1 20-100%	1 2 5	1 20-100%	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	

Recommended Dimmer & Transformer List								Transformer									
LDR12V8L27MG5D LDR12V8L27WG5D LDR12V8L30MG5D LDR12V8L30WG5D								Manufacturer	TRIDONIC ATCO	Relco	Osrarn	Nobile	VOSSLOH SCHWABE	PROTEC			
								Type	TMDD 105 A601W	ICE 105 PFS TH	HTM105/230-240	EN-60D	EST105/12.644	PTL110			
								Load	L	C	R.L.C	C	LC	C			
Dimmer	Manufacturer	Type	Load	W/VA	DownTrans	Trailing/Leading	Adjust vol.	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
	BUSCH-JAEGER (Busch-Memory-Semiconductor)	6565U	-	2x40	-315	Electronic	Trailing	-	1 2 5	1 30-100%	1 2 5	1 30-100%	1 2 5	1 2 5	1 30-100%	1 2 5	1 2 5
	BUSCH-JAEGER	6591U-101	-	1.83A	60-420	Electronic/Magnetic	Trailing	-	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5	1 2 5	1 15-90%	1 2 5	1 2 5
	BUSCH-JAEGER	6513U-102	-	40-420	Electronic	Trailing	-	1 2 5	1 25-100%	1 2 5	1 25-100%	1 2 5	1 25-100%	1 1-2 3	1 30-100%	1 2 5	1 30-100%
BUSCH-JAEGER	6513-102	-	40-420	Electronic	Trailing	-	1 2 5	1 25-100%	1 2 5	1 25-100%	1 2 5	1 25-100%	1 1-2 3	1 30-100%	1 2 5	1 30-100%	
JUNG	1252 UDE	R.L.C	50-280	Electronic/Magnetic/All	Trailing	-	1 2 5	1 25-100%	1 2 5	1 25-100%	1 2 5	1 25-100%	1 1-2 3	1 30-100%	1 2 5	1 30-100%	
JUNG	225 TDE	R.C	20-525	Electronic (Magnetic No operation)	Trailing	-	1 2 5	1 25-100%	1 2 5	1 25-100%	1 2 5	1 25-100%	1 1-2 3	1 30-100%	1 2 5	1 30-100%	
GIRA	0307 00/102	R.C	20-525	Electronic (Magnetic No operation)	Trailing	-	1 2 5	1 20-100%	1 2 5	1 20-100%	1 2 5	1 20-100%	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
Berker	286710	R.C	20-360	Electronic (Magnetic No operation)	Trailing	-	1 2 5	1 20-100%	1 2 5	1 20-100%	1 2 5	1 20-100%	1 2 5	1 2 5	1 25-100%	1 2 5	1 2 5
KOPP	80.33	R.L	40-400	Magnetic (Electronic No operation)	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
BUSCH-JAEGER	2250U	-	60-600	-	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
GIRA	0300 00	R	60-400	No (Down Trans No operation)	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
GIRA	2262 00	R.L	60-400	Magnetic (Electronic No operation)	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
Berker	2873	R.L	20-500	Magnetic (Electronic No operation)	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
TCL	L2.0	R.L	630	-	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
Panasonic	WMSS49	R.L	40-400	-	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
Lonon	NB12TG	R.L	630	-	Leading	-	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5	1 2 5
PEHA	433	R.C	20-315	-	Trailing	-	1 2 5	1 2 5	1 15-100%	1 2 5	1 15-100%	1 2 5	1 2 5	1 2 5	1 30-100%	1 2 5	1 30-100%
Varilight	JQP401W	-	10-400	-	Trailing	-	1 2 5	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5	1 2 5	1 20-100%	1 2 5	1 10-100%	1 2 5
MK	52471SL	-	60-500	Only use Leading type	Leading	-	1 2 5	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5	1 2 5	1 10-100%	1 2 5	1 2 5	1 2 5
Hamilton	LK400/2	-	40-400	Low voltage is OK	Leading	-	1 2 5	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5
Click	MD9042	-	60-400	-	Leading	-	1 2 5	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5	1 2 5	1 30-100%	1 2 5	1 10-100%	1 2 5
Aurora	AU-DSP400X	-	60-400	-	Leading	-	1 2 5	1 2 5	1 20-100%	1 2 5	1 15-100%	1 2 5	1 2 5	1 15-100%	1 2 5	1 10-100%	1 2 5
Schneider Electric	GU6012	-	60-400	Only use Leading type	Leading	-	1 2 5	1 2 5	1 10-100%	1 2 5	1 10-100%	1 2 5	1 2 5	1 20-100%	1 2 5	1 10-100%	1 2 5

Please Note

- In specific range, there is possibility that flicker happen.
- Please reference the dimmer and Transformer manufacturer's instructions for installation.
- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors.
- This experimental results only checked with 230V.
- In case of input voltage is very high, there is some possibility the result may change.
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- This list is not guarantee performance and safety. Please check in actual situation.
- The lamp may be flashing once when turning on, if the dimmer is already at position zero.
- In general, Leading dimmer is used with Magnetic transformer.
- Trailing dimmer is used with Electronic transformer.
- Please note that in case of dimming, and depending on the dimmer type, the LED can generate more or less buzzing noise, which is not abnormal.

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[B to B : Professional LED]

Panasonic GU5.3 45W equivalent Halogen LED Dimmer Compatibility – Recommended Dimmer and Transformer List

X-Y Lx percentage of dimming range
 10-100% Dimmable range is from 10%-100%
 30-100% Dimmable range is from 30%-100%
 40-100% Dimmable range is from 40%-100%
 Not recommended. The majority of configurations show undesirable dimming behavior
 Configuration not tested
 Lamp is not designed for use with this dimmer type
 New added since previous version



28-02-2014

Recommended Dimmer & Transformer List							Transformer										
LDR12V10L27MG5D LDR12V10L27WG5D LDR12V10W40MG5D LDR12V10W40WG5D							TRIDONIC ATCO		Relco		Osram		Nobile		PROTEC		
							TMDD 105 A601W		ICE 105 PFS TH		HTM105/230-240		EN-60D		PTL110		
							L		C		R.L.C		C		C		
Manufacturer	Type	Load	W./VA	DownTrans	Trailing/Leading	Adjust vol.	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
Dimmer	ALTENBURGER	50.13.010	R.L	60-1300W /VA	Magnetic	Leading	Min./Max.	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%
		50.13.110	R.C	15-700W /VA	Electronic	Trailing	Min./Max.	1 2 5	10-100%	1 2 5	30-100%	1 2 5	10-100%	1 2 5	30-100%	1 2 5	10-100%
		50.13.111	R.C	15-1400W /VA	Electronic	Trailing	Min./Max.	1 2 5	10-100%	1 2 5	30-100%	1 2 5	10-100%	1 2 5	30-100%	1 2 5	10-100%
		50.13.210	R.L	60-2000W /VA	Magnetic	Leading	Min./Max.	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%

Recommended Dimmer & Transformer List							Transformer											
LDR12V10L27MG5D LDR12V10L27WG5D LDR12V10W40MG5D LDR12V10W40WG5D							TRIDONIC ATCO		Relco		Osram		Nobile		PROTEC			
							TMDD 105 A601W		ICE 105 PFS TH		HTM105/230-240		EN-60D		PTL110			
							L		C		R.L.C		C		C			
Manufacturer	Type	Load	W./VA	DownTrans	Trailing/Leading	Adjust vol.	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range		
Dimmer	BUSCH-JAEGER	6565U	-	2x40-315	Electronic	Trailing	1 2 5		1 2 5		40-100%	1 2 5		1 2 5		1 2 5		
	BUSCH-JAEGER	6591U-101	-	1,83A, 60-420	Electronic /Magnetic	Trailing	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		
	BUSCH-JAEGER	6513U-102	-	40-420	Electronic	Trailing	1 2 5		1 2 5		30-100%	1 2 5		1 2 5		1 2 5		
	BUSCH-JAEGER	6513-102	-	40-420	Electronic	Trailing	1 2 5		1 2 5				1 2 5		1 2 5		1 2 5	
	JUNG	1252 UDE	R.L.C	50-280	Electronic /Magnetic /All	Trailing	1 2 5		1 2 5		30-100%	1 2 5		1 2 5		1 2 5		1 2 5
	JUNG	225 TDE	R.C	20-525	Electronic /Magnetic /No operation	Trailing	1 2 5		1 2 5		30-100%	1 2 5		1 2 5		1 2 5		1 2 5
	GIRA	0307 00/002	R.C	20-525	Electronic /Magnetic /No operation	Trailing	1 2 5		1 2 5		30-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Berker	286710	R.C	20-360	Electronic /Magnetic /No operation	Trailing	1 2 5		1 2 5		30-100%	1 2 5		1 2 5		1 2 5		1 2 5
	KOPP	80.33	R.L	40-400	Magnetic /Electronic /No operation	Leading	1 2 5		1 2 5		30-100%	1 2 5		1 2 5		1 2 5		1 2 5
	BUSCH-JAEGER	2250U	-	60-600		Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	GIRA	0300 00	R	60-400	No (Down Trans /No operation)	Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	GIRA	2262 00	R.L	60-400	Magnetic /Electronic /No operation	Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Berker	2873	R.L	20-500	Magnetic /Electronic /No operation	Leading	1 2 5		1 2 5				1 2 5		1 2 5		1 2 5	
	TCL	L2.0	R.L	630		Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Panasonic	WMSS49	R.L	40-400		Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Lonon	NB12TG	R.L	630		Leading	1 2 5		1 2 5				1 2 5		1 2 5		1 2 5	
	PEHA	433	R.C	20-315		Trailing	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Vanlight	JOP401W	-	10-400		Trailing	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	MK	52471SL	-	60-500	Only use Leading type	Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Hamilton	LK400/2	-	40-400	Low voltage is OK	Leading	1 2 5		1 2 5		10-100%	1 2 5		1 2 5		1 2 5		1 2 5
	Click	MD9042	-	60-400		Leading	1 2 5		1 2 5		30-100%	1 2 5		10-100%	1 2 5		1 2 5	
	Aurora	AU-DSP400X	-	60-400		Leading	1 2 5		1 2 5		10-100%	1 2 5		15-100%	1 2 5		1 2 5	
	Schneider Electric	GU6012	-	60-400	Only use Leading type	Leading	1 2 5		1 2 5		10-100%	1 2 5		10-100%	1 2 5		1 2 5	

Please Note

- In specific range, there is possibility that flicker happen.
- Please reference the dimmer and Transformer manufacturer's instructions for installation.
- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors.
- This experimental results only checked with 230V.
- In case of input voltage is very high, there is some possibility the result may change.
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- This list is not guarantee performance and safety. Please check in actual situation.
- The lamp may be flashing once when turning on, if the dimmer is already at position zero.
- In general, Leading dimmer is used with Magnetic transformer.
- Trailing dimmer is used with Electronic transformer.
- Please note that in case of dimming, and depending on the dimmer type, the LED can generate more or less buzzing noise, which is not abnormal.







[B to B : Professional LED]

Panasonic 230V LED Dimmer Compatibility – recommended dimmer list

10-100%	Dimmable range is from 10%-100%
30-100%	Dimmable range is from 30%-100%
40-100%	Dimmable range is from 40%-100%
	Not recommend.The majority of configurations show undesirable dimming behavior
	Configuration not tested
	Lamp is not designed for use with this dimmer type
Name	New added since previous version

Panasonic

28-02-2014

Panasonic				LED Candle	LED Candle	LED Candle/PinzPong	LED Clear	LED Reflector	LED Reflector
Panasonic				LDAHV4L27CE14D	LDAHV5L27CE14DE	LDAHV5L27CGE14DE LDGHV5L27CGE14DE	LDAHV8L27CGDE*	LDRHV7L27MG10D LDRHV7L27WG10D	LDRHV7L27MG10D* LDRHV7L27WG10D LDRHV7W40MG10D LDRHV7W40WG10D (2013 Refresh model)
Panasonic									
Brand	Model	Load Range(W)	Edge Type	E14	E14	E14	E27	GU10	GU10
Altenburger	50.13.110	15-700	Trailing	10-100%	10-100%	10-100%	10-100%	10-100%	10-100%
Altenburger	50.13.111	15-1400	Trailing	10-100%	30-100%	30-100%	10-100%	30-100%	10-100%
Altenburger	50.13.010	60-1300	Leading	10-100%		10-100%	10-100%		10-100%
Altenburger	50.13.210	60-2000	Leading	10-100%		10-100%	10-100%		10-100%
Berker	286710	20-360	Trailing		30-100%	10-100%	10-100%		40-100%
Berker	2873	20-500	Leading			30-100%	10-100%		
CLIPSAL	32V500 Series	500VA	Leading						
GIRA	0300.00/101	60-400	Leading	30-100%			30-100%	30-100%	
GIRA	0302.00/101	60-600	Leading			30-100%	10-100%	10-100%	
GIRA	0305.00/104	50-420	Universal			10-100%	10-100%		
GIRA	0307.00/102	20-525	Trailing	30-100%	30-100%	30-100%	10-100%		40-100%
GIRA	1176.00/103	50-420	Universal						
GIRA	2262.00/101	20-500	Leading	30-100%		10-100%	10-100%	10-100%	
BUSCH JAEGER	2250U	60-600	Leading			30-100%	10-100%	30-100%	
BUSCH JAEGER	6513-102	40-420	Trailing	30-100%		10-100%	10-100%	10-100%	
BUSCH JAEGER	6513U-102	40-420	Trailing			10-100%	10-100%	10-100%	
BUSCH JAEGER	6523U	2-100	Leading			10-100%	10-100%	10-100%	
BUSCH JAEGER	6524U	2-100	LED Dimmer			10-100%	10-100%		
BUSCH JAEGER	6565U	80-315	Trailing	10-100%		10-100%	10-100%		
BUSCH JAEGER	6591U-101	60-420	Universal					10-100%	
JUNG	225 TDE	20-525	Trailing	30-100%	30-100%	10-100%	10-100%	10-100%	40-100%
JUNG	1252 UDE	50-260	Trailing			10-100%	30-100%	30-100%	
KOPP	80.33	40-400	Leading	30-100%		30-100%	10-100%	30-100%	
KOPP	8077.0208.0	20-275	Trailing				10-100%	10-100%	
Lonon	NB12TG	630	Leading			10-100%	10-100%		
Panasonic	WMS549	40-400	Leading			30-100%	30-100%	30-100%	
PEHA	431	6-120	LED Dimmer			10-100%			
PEHA	433	20-315	Trailing		30-100%	10-100%	10-100%		30-100%
PEHA	435	60-600	Leading			10-100%	10-100%		
TCL (Legrand)	L2.0	630	Leading	10-100%		10-100%	10-100%	10-100%	
Wickes	Harrow HA1.2QB	60-400	Leading				10-100%	30-100%	
Varilight	JQP401W	10-400	Trailing			10-100%	10-100%		10-100%
MK	52471SL	60-500	Leading						
Hamilton	LK400/2	40-400	Leading			30-100%	20-100%		
Click	MD9042	60-400	Leading			10-100%	10-100%		
Aurora	AU-DSP400X	60-400	Leading			10-100%	10-100%		

Please Note

- In specific range, there is possibility that flicker happen.
- Please reference the dimmer manufacturer's instructions for installation.
- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment, and the results can vary in certain field applications due to a number of factors.
- This experimental results only checked with 230V and one lamp operation.
- In case of input voltage is very high, there is some possibility the result may change.
- The absence of a dimmer from this chart does not necessarily imply incompatibility.
- This list is not guarantee performance and safty. Please check in actual situation.
- The lamp may be flashing once when turning on, if the dimmer is already at position zero.
- The lamp may become lightly bright, if the Semiconductor Switch is off.
- Please note that in case of dimming, and depending on the dimmer type, the LED can generate more or less buzzing noise, which is not abnormal.

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[B to C : Home Consumer LED]

Panasonic GU5.3 12V Halogen LED Non-Dimmer Transformer Compatibility – Recommended Transformer List

	: No Flicker 1~5 lamp
	: No flicker with X-Y lamp(X,Y:number of lamps)
	: No Compatibility
	: Configuration not tested



28-02-2014

No.	Company	Model #			
			LDR12V4L27WG5EP (4W type)	LDR12V6L27WG5EP (6W type)	LDR12V10L27WG5EP (8W type)
1	ABB	ETR 50-230/12KF	x	x	1-5
2		ETR 70-230/12KF	x	x	1-5
3		ETR 105-230/12KF	x	x	1-5
4	ALS	TRE-105	x	x	-
5	Art.	125/105SA	-	-	-
6	GENERAL LIGHTING	1200-0	-	-	-
7	GIRA	0366 00	1-5	1-5	-
8		0367 00 SNT40	1-5	1-5	1-5
9	JUNG	SNT 40	1-5	1-5	-
10		SNT 70 Q	1-5	1-5	-
11		SNT 105 F	1-5	1-5	-
12	MOLTO LUCE	T 105	x	x	1-5
13	NATIONAL ELECTRIC		-	-	1-5
14	nobile	EN-60D	1-5	1-5	2-5
15		EN-110D	1-5	1-5	-
16		EN-150D	1-5	1-5	-
17		EN-200D	x	x	-
18		EN 250D	x	x	-
19	OSRAM	ET-A 60/220-240	x	x	1-5
20		ET PARROT 150W/220-240	x	x	1-5
21		ET 70VA/220-240	x	x	1-5
22		ET 105VA/220-240	x	x	1-5
23		HTL 105/230-240	3-5	3-5	1-5
24		HTL 225/230-240	x	x	-
25		HTM 70/230-240	1	x	1-5
26		HTM 105/230-240	1-5	1-5	1-5
27		HTM 150/230-240	x	x	1-5
28	HTN 75/230-240	x	x	1-5	
29	Philips	ET-E 60/220-240	2-5	2-5	1-5
30		Primaline70 230-240	x	x	2-5
31		Primaline150 230-240	1-5	1-5	1-5
32	PROTEC	PTEL E 35	1-5	1-5	2-5
33		PTEL R 60	2-5	1-5	1-5
34		PTEL 70K	1-5	1-5	-
35		PTEL 110	1-5	1-5	2-5
36		PTEL SK 110	x	x	-
37	Relco	RN1604	x	x	5
38		RN1650	2-5	1-5	2-5
39	VOSSLOH SCHWABE	EST35/12.650	1-5	1-5	1-5
40		EST60/12.388	x	x	2-5
41		EST60/12.633	x	x	1-5
42		EST60/12.635	x	x	1-5
43		EST70/12.380	x	x	1-5
44		EST105/12.381	x	x	1-5
45		EST105/12.644	x	4-5	1-5
46		EST150/12.622	x	x	1-5

- In specific range, there is possibility that flicker happen.
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 - This experimental results only checked with 230V.
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- This list is not guarantee performance and safty. Please check in actual situation.



[B to C : Home Consumer LED]

Panasonic 230V LED Dimmer Compatibility – recommended dimmer list

10-100%	Dimmable range is from 10%-100%
30-100%	Dimmable range is from 30%-100%
40-100%	Dimmable range is from 40%-100%
	Not recommend.The majority of configurations show undesirable dimming behavior
	Configuration not tested
	Lamp is not designed for use with this dimmer type
Name	New added since previous version

Panasonic

28-02-2014

Panasonic				LED Candle/PinzPonz LDAHV5L27CGE14DEP LDGHV5L27CGE14DEP	LED Reflector LDRHV7L27WG10DEP (2013 Refresh model)
					
Brand	Model	Load Range(W)	Edge Type	E14	GU10
Altenburger	50.13.110	15-700	Trailing	10-100%	10-100%
Altenburger	50.13.111	15-1400	Trailing	30-100%	10-100%
Altenburger	50.13.010	60-1300	Leading	10-100%	
Altenburger	50.13.210	60-2000	Leading	10-100%	
Berker	286710	20-360	Trailing	10-100%	40-100%
Berker	2873	20-500	Leading	30-100%	
CLIPSAL	32V500 Series	500VA	Leading		
GIRA	0300.00/101	60-400	Leading		
GIRA	0302.00/101	60-600	Leading	30-100%	
GIRA	0305.00/104	50-420	Universal	10-100%	
GIRA	0307.00/102	20-525	Trailing	30-100%	40-100%
GIRA	1176.00/103	50-420	Universal		
GIRA	2262.00/101	20-500	Leading	10-100%	
BUSCH JAEGER	2250U	60-600	Leading	30-100%	
BUSCH JAEGER	6513-102	40-420	Trailing	10-100%	
BUSCH JAEGER	6513U-102	40-420	Trailing	10-100%	
BUSCH JAEGER	6523U	2-100	Leading	10-100%	
BUSCH JAEGER	6524U	2-100	LED Dimmer	10-100%	
BUSCH JAEGER	6565U	80-315	Trailing	10-100%	
BUSCH JAEGER	6591U-101	60-420	Universal		
JUNG	225 TDE	20-525	Trailing	10-100%	40-100%
JUNG	1252 UDE	50-260	Trailing	10-100%	
KOPP	80.33	40-400	Leading	30-100%	
KOPP	8077.0208.0	20-275	Trailing		
Lonon	NB12TG	630	Leading	10-100%	
Panasonic	WMS549	40-400	Leading	30-100%	
PEHA	431	6-120	LED Dimmer	10-100%	
PEHA	433	20-315	Trailing	10-100%	30-100%
PEHA	435	60-600	Leading	10-100%	
TCL(Legrand)	L2.0	630	Leading	10-100%	
Wickes	Harrow HA1 2QB	60-400	Leading		
Varilight	JQP401W	10-400	Trailing	10-100%	10-100%
MK	52471SL	60-500	Leading		
Hamilton	LK400/2	40-400	Leading	30-100%	
Click	MD9042	60-400	Leading	10-100%	
Aurora	AU-DSP400X	60-400	Leading	10-100%	

Please Note

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