

【B to B : Professional LED】

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




Recommended Transformer List

→ Please check Important remarks below

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



20-11-2014

No.	Company	Model #			
			LDR12V4L27MG5 LDR12V4L27WG5 LDR12V4W40MG5 LDR12V4W40WG5 (4W type)	LDR12V6L27WG5EP (6W type)	LDR12V10L27WG5EP (8W type)
1		ETR 50-230/12KF	×	×	1-5
2	ABB	ETR 70-230/12KF	×	×	1-5
3		ETR 105-230/12KF	×	×	1-5
4		ALS TRE-105	×	×	-
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	×	×	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	×	×	-
18		EN 250D	×	×	-
19	OSRAM	ET-A 60/220-240	×	×	1-5
20		ET PARROT 150W/220-240	×	×	1-5
21		ET 70VA/220-240	×	×	1-5
22		ET 105VA/220-240	×	×	1-5
23		HTL 105/230-240	3-5	3-5	1-5
24		HTL 225/230-240	×	×	-
25		HTM 70/230-240	1	×	1-5
26		HTM 105/230-240	1-5	1-5	1-5
27		HTM 150/230-240	×	×	1-5
28		HTN 75/230-240	×	×	1-5
29	Philips	ET-E 60/220-240	2-5	2-5	1-5
30		Primaline70 230-240	×	×	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	×	×	-
37	Relco	RN1604	×	×	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	×	×	2-5
41		EST60/12.633	×	×	1-5
42		EST60/12.635	×	×	1-5
43		EST70/12.380	×	×	1-5
44		EST105/12.381	×	×	1-5
45		EST105/12.644	×	4-5	1-5
46		EST150/12.622	×	×	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 safety. Please check in actual situation.
 - Load Range(W) is based on incandescent lamp wattage, that quantity of incandescent lamp should become the same quantity of LED lamp when replaced.

[B to B : Professional LED]

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

→ Please check Important remarks below

- 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 recommend. 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									
LDR12V6L27MG5D LDR12V6L27WG5D LDR12V6L30MG5D LDR12V6L30WG5D							Manufacturer	Relco	Relco	Ooram	Nobile	VOSSLÖH SCHWABE	PROTEC			
							Type	S 50 DT-C (Magnetic)	ICE 105 PFS TH	HTM105/230-240	EN-60D	EST105/12.644	PTEL110			
							Load	L	C	RLC	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	
							L	X	L	X	L	X	L	X	L	X
Dimmer	ALTENBURGER	50.13.010	R.L.	1300W /VA	Magnetic	Leading	Min./Max.	1 2 5	20-100%	1 2 5		1 2 5		1 2 5		1 2 5
		50.13.110	R.C.	15-700W /VA	Electronic	Trailing	Min./Max.	1 2 5		1 2 5	20-100%	1 2 5	20-100%	1 2 5	10-100%	1 2 5
		50.13.111	R.C.	1400W /VA	Electronic	Trailing	Min./Max.	1 2 5		1 2 5	20-100%	1 2 5	20-100%	1 2 5	10-100%	1 2 5
		50.13.210	R.L.	2000W /VA	Magnetic	Leading	Min./Max.	1 2 5	30-100%	1 2 5		1 2 5		1 2 5		1 2 5
		80.13.064	R.C.	1400W /VA	Electronic	Trailing	Min./Max.	1 2 5		1 2 5	20-100%	1 2 5	20-100%	1 2 5	10-100%	1 2 5

Recommended Dimmer & Transformer List							Transformer									
LDR12V6L27MG5D LDR12V6L27WG5D LDR12V6L30MG5D LDR12V6L30WG5D							Manufacturer	TRIDONIC ATCO	Relco	Ooram	Nobile	VOSSLÖH SCHWABE	PROTEC			
							Type	TMDD 105 A601W	ICE 105 PFS TH	HTM105/230-240	EN-60D	EST105/12.644	PTEL110			
							Load	L	C	RLC	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	
							L	X	L	X	L	X	L	X	L	X
Dimmer	BUSCH-JAEGER (Busch-Memory-Semiconductor)	6565U	-	2 x 40 -315	Electronic	Trailing	-	1 2 5	40-100%	1 2 5	30-100%	2 5	30-100%	2 5		
	BUSCH-JAEGER	6591U-101	-	1.83A 60-420	Electronic /Magnetic	Trailing	-	1 2 5		1 2 5	10-100%	2 5	15-90%	2 5		
	BUSCH-JAEGER	6513U-102	-	40-420	Electronic	Trailing	-	1 2 5	35-100%	1 2 5	25-100%	1 2 5	30-100%	2 5		
	BUSCH-JAEGER	6513-102	-	40-420	Electronic	Trailing	-	1 2 5	35-100%	1 2 5	25-100%	1 2 5	30-100%	2 5		
	JUNG	1252 UDE	R.L.C	50-260	Electronic /Magnetic /All	Trailing	-	1 2 5	25-100%	1 2 5	25-100%	1 2 5	30-100%	2 5		
	JUNG	225 TDE	R.C	20-525	Electronic (Magnetic No operation)	Trailing	-	1 2 5	20-100%	1 2 5	25-100%	1 2 5	30-100%	2 5		
	GIRA	0307 00/102	R.C	20-525	Electronic (Magnetic No operation)	Trailing	-	1 2 5	20-100%	1 2 5	25-100%	1 2 5	30-100%	2 5		
	Berker	286710	R.C	20-360	Electronic (Magnetic No operation)	Trailing	-	1 2 5	20-100%	1 2 5	20-100%	1 2 5	25-100%	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		
	BUSCH-JAEGER	2250U	-	60-600		Leading	-	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		
	GIRA	2262 00	R.L	60-400	Magnetic (Electronic No operation)	Leading	-	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		
	TCL	L2.0	R.L	630		Leading	-	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		
	Lonon	NB12TG	R.L	630		Leading	-	1 2 5		1 2 5		1 2 5		1 2 5		
	PEHA	433	R.C	20-315		Trailing	-	1 2 5	15-100%	1 2 5	15-100%	1 2 5		35-100%	2 5	
	Varilight	JQP401W	-	10-400		Trailing	-	1 2 5	10-100%	1 2 5	10-100%	1 2 5	20-100%	1 2 5		
	MK	52471SL	-	60-500	Only use Leading type	Leading	-	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%	2 5		
	Hamilton	LK400/2	-	40-400	Low voltage is OK	Leading	-	1 2 5	10-100%	1 2 5	10-100%	1 2 5	10-100%	2 5		
	Click	MD9042	-	60-400		Leading	-	1 2 5	10-100%	1 2 5	10-100%	1 2 5	30-100%	2 5		
	Aurora	AU-DSP400X	-	60-400		Leading	-	1 2 5	20-100%	1 2 5	20-100%	1 2 5	15-100%	2 5		
	Schneider Electric	GU6012	-	60-400	Only use Leading type	Leading	-	1 2 5	20-100%	1 2 5	20-100%	1 2 5	10-100%	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.
 - Please don't use these lamps with Universal type dimmers. Lamps may be broken or turn off suddenly.
 - Load Range(W) is based on incandescent lamp wattage, that quantity of incandescent lamp should become the same quantity of LED lamp when replaced.

[B to B : Professional LED]

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

→ Please check Important remarks below

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
 Name New added since previous version



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

Recommended Dimmer & Transformer List																	
LDR12V10L27MG5D LDR12V10L27WG5D LDR12V10W40MG5D LDR12V10W40WG5D																	
Manufacturer		TRIDONIC ATCO		Relco		Osram		Nobile		PROTEC							
Type		TMDD 105 A601W		ICE 105 PFS TH		HTM105/230-240		EN-60D		PTL110							
Load		L		C		R.L.C		C		C							
Dimmer	BUSCH-JAEGER (Busch-Memory-Semiconductor)	6565U	2 x 40	-315	Electronic	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1	40-100%	1		1		1	
								2		2		2		2		2	
	BUSCH-JAEGER	6591U-101	1.83A	60-420	Electronic /Magnetic	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1		1		1	
								2		2		2		2		2	
	BUSCH-JAEGER	6513U-102	-	40-420	Electronic	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	30-100%	1		1	
								2		2		2		2		2	
	BUSCH-JAEGER	6513-102	-	40-420	Electronic	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1		1		1	
								2		2		2		2		2	
	JUNG	1252 UDE	R.L.C	50-260	Electronic /Magnetic /All	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	30-100%	1		1	
								2		2		2		2		2	
	JUNG	225 TDE	R.C	20-525	Electronic (Magnetic: No operation)	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	30-100%	1		1	
								2		2		2		2		2	
	GIRA	0307 00/302	R.C	20-525	Electronic (Magnetic: No operation)	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	30-100%	1		1	
								2		2		2		2		2	
	Berker	286710	R.C	20-360	Electronic (Magnetic: No operation)	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	30-100%	1		1	
								2		2		2		2		2	
	KOPP	80.33	R.L	40-400	Magnetic (Electronic: No operation)	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	30-100%	1		1	
								2		2		2		2		2	
	BUSCH-JAEGER	2250U	-	60-600	-	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	10-100%	1		1	
								2		2		2		2		2	
	GIRA	0300 00	R	60-400	No (Down Trans: No operation)	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	10-100%	1		1	
								2		2		2		2		2	
	GIRA	2262 00	R.L	60-400	Magnetic (Electronic: No operation)	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	10-100%	1		1	
								2		2		2		2		2	
	Berker	2873	R.L	20-500	Magnetic (Electronic: No operation)	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1		1		1	
								2		2		2		2		2	
	TCL	L2.0	R.L	630	-	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	10-100%	1		1	
								2		2		2		2		2	
	Panasonic	WMS549	R.L	40-400	-	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1	10-100%	1		1	
								2		2		2		2		2	
	Lonon	NB12TG	R.L	630	-	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range
								1		1		1		1		1	
								2		2		2		2		2	
PEHA	433	R.C	20-315	-	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		
Vanilight	JQP401W	-	10-400	-	Trailing	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		
MK	52471SL	-	60-500	Only use Leading type	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		
Hamilton	LK400/2	-	40-400	Low voltage is OK	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		
Click	MD9042	-	60-400	-	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		
Aurora	AU-DSP400X	-	60-400	-	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		
Schneider Electric	GU8012	-	60-400	Only use Leading type	Leading	-	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	Lamps	Dimmable range	
							1		1		1	10-100%	1		1		
							2		2		2		2		2		

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.
- Please don't use these lamps with Universal type dimmers. Lamps may be broken or turn off suddenly.
- Load Range(W) is based on incandescent lamp wattage, that quantity of incandescent lamp should become the same quantity of LED lamp when replaced.

[B to B : Professional LED]







Panasonic 230V LED Dimmer Compatibility – recommended dimmer list

→ Please check Important remarks below

x-y	Dimmable, with x to y lamps
Green	Dimming range is from 10%-100% or 20%-100%
Yellow	Dimming range is from 30%-100%
Pink	Dimming range is from 40%-100%
Red	Not recommend. The majority of configurations show undesirable dimming behavior
Grey	Configuration not tested
White	Lamp is not designed for use with this dimmer type
Name	New added since previous version

Panasonic

21-01-2015

Panasonic				LED Candle	LED Candle	LED Candle/PingPong	LED Clear	LED Reflector	LED Reflector
				LDAHV4L27CE14D	LDAHV5L27CE14DE	LDAHV5L27CGE14DE LDGHV5L27CGE14DE	LDAHV8L27CGDE*	LDRHV7L27MG10D LDRHV7L27WG10D	LDRHV7L27MG10D* LDRHV7L27WG10D LDRHV7W40MG10D LDRHV7W40WG10D (2013 Refresh model)
									
Brand	Model	Load Range(W)	Edge Type	E14	E14	E14	E27	GU10	GU10
Altenburger	50.13.110	15-700	Trailing	1-46	1-28	1-23	1-14	1-14	1-14
Altenburger	50.13.111	15-1400	Trailing	1-46	1-56	1-46	1-28	1-28	1-28
Altenburger	50.13.010	60-1300	Leading	1-43		1-43	1-26	1-26	
Altenburger	50.13.210	60-2000	Leading	1-30		1-30	1-5	1-30	
Berker	286710	20-360	Trailing		1-14	1-12	1-7	1-7	1-7
Berker	2873	20-500	Leading			1-12	1-6	1-10	
CLIPSAL	32V500 Series	500VA	Leading			1-2	1-2		
GIRA	0300 00/101	60-400	Leading	1-5			1-3	1-5	
GIRA	0302 00/101	60-600	Leading			1-3	1-3	1-3	
GIRA	0305 00/104	50-420	Universal						
GIRA	0307 00/102	20-525	Trailing	1-35	1-21	1-17	1-10	1-10	1-10
GIRA	1176 00/103	50-420	Universal						
GIRA	2262 00/101	20-500	Leading	1-13		1-13	1-8	1-10	
BUSCH JAEGER	2250U	60-600	Leading			1-8	1-5	1-8	
BUSCH JAEGER	6513-102	40-420	Trailing	1-28		1-14	1-8	1-8	
BUSCH JAEGER	6513U-102	40-420	Trailing			1-14	1-8	1-8	
BUSCH JAEGER	6523U	2-100	Leading			1-11	1-12	1-11	
BUSCH JAEGER	6524U	2-100	LED Dimmer			1-15	1-12		
BUSCH JAEGER	6565U	80-315	Trailing	1-21		1-10	1-6	1-6	
BUSCH JAEGER	6591U-101	60-420	Universal						
JUNG	225 TDE	20-525	Trailing	1-35	1-21	1-17	1-10	1-10	1-10
JUNG	1252 UDE	50-260	Trailing	1-17		1-9	1-5	1-5	
KOPP	80.33	40-400	Leading	1-10		1-10	1-8	1-8	
KOPP	8077.0208.0	20-275	Trailing				1-5	1-5	
Lonon	NB12TG	630	Leading			1	1		
Panasonic	WMS549	40-400	Leading			1-2	1-2	1-2	
PEHA	431	6-120	LED Dimmer			1-14	1-12		
PEHA	433	20-315	Trailing		1-12	1-10	1-6		1-6
PEHA	435	60-600	Leading			1-20	1-12		
TCL(Legrand)	L2.0	630	Leading	1-2		1-2	1-2	1-2	
Wickes	Harrow HA1 2QB	60-400	Leading				1-3	1-3	
Varilight	JQP401W	10-400	Trailing			1-13	1-8		1-8
MK	52471SL	60-500	Leading						
Hamilton	LK400/2	40-400	Leading			1-10	1-8		
Click	MD9042	60-400	Leading			1-4	1-4		
Aurora	AU-DSP400X	60-400	Leading			1-3	1-3		

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 safety. 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.
- Please don't use these lamps with Universal type dimmers. Lamps may be broken or turn off suddenly.
- Load Range(W) is based on incandescent lamp wattage, that quantity of incandescent lamp should become the same quantity of LED lamp when replaced.

©2015 Panasonic Corporation

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.

[B to C : Home Consumer LED]

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




Recommended Transformer List

→ Please check Important remarks below

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

20-11-2014

Panasonic

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.
- 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.
- Load Range(W) is based on incandescent lamp wattage, that quantity of incandescent lamp should become the same quantity of LED lamp when replaced.

[B to C : Home Consumer LED]



Panasonic 230V LED Dimmer Compatibility – recommended dimmer list

—> Please check Important remarks below

x-y	Dimmable, with x to y lamps
10~100%	Dimming range is from 10%~100% or 20%~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

21-01-2015

Panasonic				LED Candle/PingPong	LED Reflector
				LDAHV5L27CGE14DEP LDGHV5L27CGE14DEP	LDRHV7L27WG10DEP (2013 Refresh model)
					
Brand	Model	Load Range(W)	Edge Type	E14	GU10
Altenburger	50.13.110	15-700	Trailing	1-23	1-14
Altenburger	50.13.111	15-1400	Trailing	1-46	1-28
Altenburger	50.13.010	60-1300	Leading	1-43	
Altenburger	50.13.210	60-2000	Leading	1-30	
Berker	286710	20-360	Trailing	1-12	1-7
Berker	2873	20-500	Leading	1-12	
CLIPSAL	32V500 Series	500VA	Leading	1-2	
GIRA	0300 00/101	60-400	Leading		
GIRA	0302 00/101	60-600	Leading	1-3	
GIRA	0305 00/104	50-420	Universal		
GIRA	0307 00/102	20-525	Trailing	1-17	1-10
GIRA	1176 00/103	50-420	Universal		
GIRA	2262 00/101	20-500	Leading	1-13	
BUSCH JAEGER	2250U	60-600	Leading	1-8	
BUSCH JAEGER	6513-102	40-420	Trailing	1-14	
BUSCH JAEGER	6513U-102	40-420	Trailing	1-14	
BUSCH JAEGER	6523U	2-100	Leading	1-11	
BUSCH JAEGER	6524U	2-100	LED Dimmer	1-15	
BUSCH JAEGER	6565U	80-315	Trailing	1-10	
BUSCH JAEGER	6591U-101	60-420	Universal		
JUNG	225 TDE	20-525	Trailing	1-17	1-10
JUNG	1252 UDE	50-260	Trailing	1-9	
KOPP	80.33	40-400	Leading	1-10	
KOPP	8077.0208.0	20-275	Trailing		
Lonon	NB12TG	630	Leading	1	
Panasonic	WMS549	40-400	Leading	1-2	
PEHA	431	6-120	LED Dimmer	1-14	
PEHA	433	20-315	Trailing	1-10	1-6
PEHA	435	60-600	Leading	1-20	
TCL(Legrand)	L2.0	630	Leading	1-2	
Wickes	Harrow HA1 2QB	60-400	Leading		
Varilight	JQP401W	10-400	Trailing	1-13	1-8
MK	52471SL	60-500	Leading		
Hamilton	LK400/2	40-400	Leading	1-10	
Click	MD9042	60-400	Leading	1-4	
Aurora	AU-DSP400X	60-400	Leading	1-3	

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.
- Please don't use these lamps with Universal type dimmers. Lamps may be broken or turn off suddenly.
- Load Range(W) is based on incandescent lamp wattage, that quantity of incandescent lamp should become the same quantity of LED lamp when replaced.

©2015 Panasonic Corporation

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.