SORAA Constant Current Lamp and Light Engine Driver COMPATIBILITY LIST

The following drivers meet the on-paper specifications required to be compatible with Soraa light engines and light cups; not all have been tested by Soraa

Some of these drivers are also suitable to provide the driving current needed by Soraa's constant current lamp, as indicated in the column "Suitable for Soraa CC lamp?"

Mfg	Model	Wattage	Output Voltage	Input Voltage	Output Current (mA)	Suitable for Soraa CC lamp?	Dimming Method	Country	no. of channels	NTC input	Pass NC=Not Compatible Not Tested
eldoLED	DUALdrive 560/M/S/A	50W	2-55V	120-277	200-1050mA (settable with PC)	YES	DALI	World	2, independent from each	Yes, 47kΩ. Settable throttling with PC	Pass
eldoLED	DUALdrive 1060/M/S/A	100W (60W per channel)	2-57V	120-277	200-1050mA (settable with PC)	YES	DALI	World	4, divided in 2 independent	Yes, 47kΩ. Settable throttling with PC	Not Tested
eldoLED	ECOdrive / SOLOdrive 360/A/B/S	30W	2-55V	120-277	A: 150-1,050mA (PC settable) /B, /S: 150-1,400mA (PC settable)	YES	DALI	World	1	Yes, 47kΩ. Settable throttling with PC	Pass
eldoLED	ECOdrive / SOLOdrive 260/B/S	20W	2-55V	120-277	150-1,400mA (PC settable)	YES	DALI	World	1	Yes, 47kΩ. Settable throttling with PC	Not Tested
eldoLED	ECOdrive / SOLOdrive 261/B/S	20W	2-55V	120-277	150-1,400mA (PC settable)	YES	0/1-10V, potentiometer	World	1	Yes, 47kΩ. Settable throttling with PC	Not Tested
eldoLED	ECOdrive / SOLOdrive 361/B/S/A	30W	2-55V	120-277	A: 150-1,050mA (PC settable) /B, /S: 150-1,400mA (PC settable)	YES	0/1-10V, potentiometer	World	1	Yes, 47kΩ. Settable throttling with PC	Pass
eldoLED	ECOdrive / SOLOdrive 560/M/S/A	50W	2-55V	120-277	200-1,050mA (settable with PC)	YES	DALI	World	2, controlled together	Yes, 47kΩ. Settable throttling with PC	Pass
eldoLED	ECOdrive / SOLOdrive 561/M/S/A	50W	2-55V	120-277	200-1,050mA (settable with PC)	YES	0/1-10V, potentiometer	World	2, controlled together	Yes, 47kΩ. Settable throttling with PC	Pass
eldoLED	SOLOdrive 1060/M/S/A	100W (60W per channel)	2-57V	120-277	200-1,050mA (settable with PC)	YES	DALI	World	4, controlled all together	Yes, 47kΩ. Settable throttling with PC	Not Tested
eldoLED	SOLOdrive 1061/M/S/A	100W (60W per channel)	2-57V	120-277	200-1,050mA (settable with PC)	YES	0/1-10V, potentiometer	World	4, controlled all together	Yes, 47kΩ. Settable throttling with PC	Not Tested
eldoLED	POWERdrive 561/562/M/S/A	50W	2-55V	120-277	200-1,050mA (settable with PC)	YES	DMX	World	3/4 independent	Yes, 47kΩ. Settable throttling with PC	Not Tested
Euchips	EUP15T-1HMC-0	15W	15-42V	40-240	280, 350	YES	Phase Cut	EU/Asia	1	NO	Not Tested
Fulham	T1A1UNV105P-60F (*)	60W	10-57V	120V-277V	250-1,050mA (settable with PC or resistors)	YES	DALI	World	1	NO	Not Tested
Fulham	T1A1UNV105P-40E (*)	40W	10-57V	120V-277V	250-1,050mA (settable with PC or resistors)	YES	DALI	World	1	Yes, programmable	Not Tested
Harvard	CoolLED CL270A-240-C	15W	58V	220-240	270	YES	0-10V/PWM	EU/Asia	1	NO	Pass
Harvard	CoolLED CL270D-240-C	13W	48V	220-240	270	YES	DALI	EU/Asia	1	NO	Pass
Harvard	CoolLED CLK10-300P-240-C	11W	16-38V	220-240	300	YES	Phase Cut	EU/Asia	1	NO	Pass
Hatch	XTC16-0350P-UNV-I	16W		120-277	350	NO	Phase Cut	USA	1	NO	Pass
Hatch	I-LOC XRC16-0350Z-UNV-I	16W	46V	120-277	175-350mA (settable with resistors)	YES	0-10V	USA	1	NO	Not Tested
Hatch	I-LOC XRC32-0700Z-UNV-I	32W	46V	120-277	350-700mA (settable with resistors)	NO	0-10V	USA	1	NO	Not Tested
Hatch	I-LOC XRC16-0350P-UNV-I	16W	46V	120-277	175-350mA (settable with resistors)	YES	Mains	USA	1	NO	Not Tested

SORAA Constant Current Lamp and Light Engine Driver COMPATIBILITY LIST

The following drivers meet the on-paper specifications required to be compatible with Soraa light engines and light cups; not all have been tested by Soraa

Some of these drivers are also suitable to provide the driving current needed by Soraa's constant current lamp, as indicated in the column "Suitable for Soraa CC lamp?"

Mfg	Model	Wattage	Output Voltage	Input Voltage	Output Current (mA)	Suitable for Soraa CC lamp?	Dimming Method	Country	no. of channels	NTC input	Pass NC=Not Compatible Not Tested
Hatch	I-LOC XRC32-0700P-UNV-I	32W	46V	120-277	350-700mA (settable with resistors)	NO	Mains	USA	1	NO	Not Tested
Helvar	LL35/2-E-DA-iC	35W per channel	100V	198-264	350-700mA (settable with resistor)	NO	DALI	World	2, independent	Yes, SLE @ 68°C -> dims to 30%	Not Tested
Helvar	LL2x35-E-DA	35W per channel	50V	198-264	350-700mA (settable with resistor)	NO	DALI	World	2, independent	Yes, SLE @ 68°C -> dims to 30%	Not Tested
Helvar	LL1x40-E-DA-350-700	40W	20-57V	198-264	350-700mA (settable with resistor)	NO	DALI	World	1	Yes, SLE @ 68°C -> dims to 30%	Not Tested
Helvar	LC1x30-E-DA	30W	10-43V	198-264	350,500,700mA selecteable	NO	DALI	World	1	Yes, SLE @ 68°C -> dims to 30%	Not Tested
Helvar	LC1x30-E-AN	30W	10-43V	198-264	350,500,700mA selecteable	NO	1-10V	World	1	Yes, SLE @ 68°C -> dims to 30%	Not Tested
Helvar	LC50-U-DX3	50W	10-55V	90-305	350-1050mA (programmable via PC)	NO	DMX	World	3, independent	Yes, SLE @ 68°C -> dims to 30%	Not Tested
HUEUC	PV-3CC-60 LED	60W		100-240	350	NO	0-10V/PWM	World	3	NO	Pass
Hytronik	HED2020	20W	68V	220-240	350,500,700,900mA (DIP switches)	NO	DALI, pulse switch	EU/Asia	1	NO	Not Tested
Hytronik	HE2030-A	30W	68V	220-240	250,350,400,450,500,550,600,700mA (DIP switches)	YES	1-10V, pulse switch	EU/Asia	1	NO	Not Tested
Hytronik	HE2050-A2	2x50W	36V	220-240	250,350,400,450,500,550,600,700mA (DIP switches)	YES	1-10V, pulse switch	EU/Asia	2	NO	Not Tested
Hytronik	HE2015-A	15W	60V	220-240	350/500/550mA (DIP switches)	NO	1-10V, pulse switch	EU/Asia	1	NO	Not Tested
Hytronik	HE5020-A	20W	52V	220-240	250/350/400/450/500/ 550/600/700mA	YES	1-10V, pulse switch	EU/Asia	1	NO	Not Tested
Hytronik	HE1025-1	25W	68V	220-240	250/350/400/450/500/ 550/600/700mA	YES	Phase Cut	EU/Asia	1	NO	Not Tested
Inventronics	LUD-060S110BSF	60W	16 -78V	90-305	7.7-1100mA, programmable via software	YES	DALI	World	1	Yes, fully programmable via	Not Tested
Inventronics	LUD-060S110DSF	60W	17 -78V	90-305	7.7-1100mA, programmable via software	YES	0-10V (can be PWM)	World	1	Yes, fully programmable via	Not Tested
ISTL (iDrive)	IDD2014410350	14W	18-41V	220-240	programmable via DALI, max 350mA	YES	DALI	World	1	NO	Not Tested
ISTL (iDrive)	IDD2021410500	21W	18-41V	220-240	programmable via DALI, max 500mA	YES	DALI	World	1	NO	Not Tested
ISTL (iDrive)	IDD2029410700	29W	18-41V	220-240	programmable via DALI, max 700mA	YES	DALI	World	1	NO	Not Tested
ISTL (iDrive)	IDD2017400420	17W	18-40V	220-240	programmable via DALI, max 420mA	YES	DALI	World	1	NO	Not Tested
ISTL (iDrive)	IDD2032400800	32W	18-40V	220-240	programmable via DALI, max 800mA	YES	DALI	World	1	NO	Not Tested

SORAA Constant Current Lamp and Light Engine Driver COMPATIBILITY LIST

The following drivers meet the on-paper specifications required to be compatible with Soraa light engines and light cups; not all have been tested by Soraa

Some of these drivers are also suitable to provide the driving current needed by Soraa's constant current lamp, as indicated in the column "Suitable for Soraa CC lamp?"

Mfg	Model	Wattage	Output Voltage	Input Voltage	Output Current (mA)	Suitable for Soraa CC lamp?	Dimming Method	Country	no. of channels	NTC input	Pass NC=Not Compatible Not Tested
ISTL (iDrive)	IDD2041411000	41W	18-41V	220-240	programmable via DALI, max 1A	YES	DALI	World	1	NO	Not Tested
ISTL (iDrive)	Quad 120	4x48W	1-48V	220-240	programmable via software, 0.1 - 1A	YES	DMX	World	4, independent	Yes, only 1, fully programmable	Not Tested
ISTL (iDrive)	Force 12	12x48W	1-48V	220-240	programmable via software, 0.1 - 1A	YES	DALI, DMX,DSI, RDM, Art-Net 3, KiNET & sACN	World	12, independent	NO	Not Tested
ISTL (iDrive)	White Knight 36	36x48W	1-48V	100-240	programmable via software, 0 - 1A	YES	DALI, DMX,DSI, RDM, Art-Net 3, KiNET & sACN	World	36, independent	NO	Not Tested
Lumotech	L05021-40250	12W	40V	220-240	200mA or 250mA	YES	Phase Cut	EU/Asia	1	NO	Not Tested
Lumotech	L05021-40300	12W	40V	220-240	180mA or 300mA	YES	Phase Cut	EU/Asia	1	NO	Not Tested
Lumotech	L05011i2	20W	48V	180-240	150mA-1200mA, 14 options in total (DIP switches)	YES	1-10V, potentiometer 100k log b, pulse switch	EU/Asia	1	NO	Not Tested
Lumotech	L05011i3	20W	48V	180-240	200mA-1200mA in 20mA steps (DIP switches)	YES	1-10V, potentiometer 100k log b	EU/Asia	1	NO	Not Tested
Lumotech	L05011i4	20W	48V	180-240	200mA-1200mA in 20mA steps (DIP switches)	YES	pulse switch	EU/Asia	1	NO	Not Tested
Lumotech	L05025	30W	43V	180-240	100mA-1000mA in 50mA steps (resistors)	YES	DALI	EU/Asia	1	NO	Not Tested
Lumotech	L05021-40300	12W	6-42V	220-240	300	YES	Phase Cut	EU/Asia	1	NO	Pass
Lutron	L DE A2E1C PA – HA()()() (*)	25W	10-40V	220-240	200mA - 620mA, in 10mA steps	YES	EcoSystem	EU/Asia	1	NO	Not Tested
Lutron	LDE11U1UMN-LA()()() (*)	10W	20-40V	120-277	150-320mA	YES	EcoSystem	USA	1	NO	Not Tested
Lutron	LDE11U1UMN-MA()()() (*)	14W	20-40V	120-277	250-500mA	YES	EcoSystem	USA	1	NO	Not Tested
Meanwell	LCM-25DA	25W	6-36V	180-277	350,500,600,700mA (DIP switches)	NO	DALI	World	1	NO	Not Tested
Meanwell	LCM-25	25W	7-36V	180-277	350,500,600,700mA (DIP switches)	NO	0-10V	World	1	NO	Not Tested
Meanwell	LCM-40	42W	2-40V	180-295	350,500,600,700,900, 1050mA (DIP switches)	NO	0-10V	World	1	Yes, trigger at 40kΩ, not useful for SLE	Not Tested
Meanwell	LCM-40DA	42W	3-40V	180-295	350,500,600,700,900, 1050mA (DIP switches)	NO	DALI	World	1	Yes, trigger at 40kΩ, not useful for SLE	Not Tested

SORAA Constant Current Lamp and Light Engine Driver COMPATIBILITY LIST

The following drivers meet the on-paper specifications required to be compatible with Soraa light engines and light cups; not all have been tested by Soraa

Some of these drivers are also suitable to provide the driving current needed by Soraa's constant current lamp, as indicated in the column "Suitable for Soraa CC lamp?"

Mfg	Model	Wattage	Output Voltage	Input Voltage	Output Current (mA)	Suitable for Soraa CC lamp?	Dimming Method	Country	no. of channels	NTC input	Pass NC=Not Compatible Not Tested
Meanwell	LCM-60	60W	1-57V	180-295	350,500,600,700,900, 1050mA (DIP switches)	NO	0-10V	World	1	Yes, trigger at 40kΩ, not useful for SLE	Not Tested
Meanwell	LCM-60DA	60W	2-57V	180-295	350,500,600,700,900, 1050mA (DIP switches)	NO	DALI	World	1	Yes, trigger at 40kΩ, not useful for SLE	Not Tested
MODE	LD-0300-48-MT-230-RD		48V	230	300	YES	Phase Cut	EU/Asia	1	NO	Pass
Multiload	LEDrose LDR400	120W (4x50W)	17-50V	230	100mA to 1.2A	YES	0-10V, DALI or DMX	Europe	4	NO	Not Tested
Osram	OTi DALI 15/220-240/1A0 LT2 (*)	18W	7.5-54V	220-240	150 – 1050 mA, via LEDset or software	YES	DALI	World	1	NO	Not Tested
Osram	OTi DALI 25/220-240/700 LT2	27W	12-54V	220-240	180 – 700 mA, via LEDset or software	YES	DALI	World	1	NO	Not Tested
Quanzhou Smarts Electronics and Technology	0-10V SMT-050-0700CD	50W		100-265	700	NO	01-10V/PWM	World	1	NO	Pass
Quanzhou Smarts Electronics and Technology	DALI SMT-050-0700CM	50W		100-265	700	NO	DALI	World	1	NO	Pass
Quanzhou Smarts Electronics and Technology	TRIAC SMT-045-0700CT	45W		90-135	700	NO	Phase Cut	NA	1	NO	Pass
RAL (Ricardo Architectural)	ES010-C030-0E	10.2W	5-36V	100-242	300	YES	PWM	JAPAN	1	NO	Pass
TCI	UNIVERSALE 20 LC	20W	55V	198-264	100,140,180,220,260, 300,340,380mA (DIP switches)	YES	NO	World	1	NO	Not Tested
TCI	DC MINIJOLLY DALI 20	20W	10-51V	100-240	250 to 550mA in 50mA steps (DIP switches)	YES	DALI	World	1	Yes (no details available)	Not Tested
TCI	MP 32 HV K2	32W	46V	220-240	350-700mA in 50mA steps (DIP switch)	NO	NO	World	1	NO	Not Tested
TCI	Smart 50	48V, 50W	48V	220-240	350-1050mA in 50mA steps (DIP switch)	NO	NO	World	1	Yes (no details available)	Not Tested
TCI	DC Wolf MP	46V, 32W	46V	220-240	350,500,550,700mA (DIP switch)	NO	NO	World	1	NO	Not Tested
TCI	MP 15 (122360)	15W	41.5V	90-264	60,80,100,120,140,160,180,200,220,240,260,280,300,320,340,360mA (DIP	YES	NO	World	1	NO	Not Tested
TCI	DC Minijolly LC (122401) (*)	20W	55V	110-127V / 220-240V	100,140,180,220,260, 300,340,380mA (DIP switch)	YES	1-10V, pulse switch	World	1	NO	Pass
TCI	DC Minijolly LC PLV (122401PLV) (*)	20W	2-54V	110-127V / 220-240V	100,140,180,220,260, 300,340,380mA (DIP switch)	YES	push LV	World	1	NO	Pass
TCI	DC Minijolly LC DALI (122395) (*)	20W	10-51V	110-127V / 220-240V	100,140,180,220,260, 300,340,380mA (DIP switch)	YES	DALI	World	1	NO	Pass
TCI	Jolly 25	25W	36V	110-127V / 220-240V	350,500,700mA (DIP switch)	NO	1-10V, pulse switch	World	1	NO	Not Tested

SORAA Constant Current Lamp and Light Engine Driver COMPATIBILITY LIST

The following drivers meet the on-paper specifications required to be compatible with Soraa light engines and light cups; not all have been tested by Soraa

Some of these drivers are also suitable to provide the driving current needed by Soraa's constant current lamp, as indicated in the column "Suitable for Soraa CC lamp?"

Mfg	Model	Wattage	Output Voltage	Input Voltage	Output Current (mA)	Suitable for Soraa CC lamp?	Dimming Method	Country	no. of channels	NTC input	Pass NC=Not Compatible Not Tested
TCI	Jolly US 32	32W	46V	110-127V / 220-240V	350,500,550,700mA (DIP switch)	NO	1-10V, pulse switch	World	1	NO	Not Tested
TCI	Jolly DALI 32	32W	46V	110-127V / 220-240V	350,500,550,700mA (DIP switch)	NO	DALI	World	1	NO	Not Tested
TCI	Jolly MD 32	32W	43V	220-240	350,500,550,700,750mA (DIP switch)	NO	Mains	World	1	NO	Not Tested
TCI	Jolly DIN 32	32W	40V	220-240	200-800mA in 50mA steps (DIP switch)	YES	1-10V, pulse switch	World	1	NO	Not Tested
TCI	DC Maxi Jolly US	50W	55V	110-127V / 220-240V	350,500,550,650,700,750,850,900mA (DIP switch)	NO	1-10V, pulse switch	World	1	Yes (no details available)	Not Tested
TCI	Maxi Jolly US DALI 50	50W	55V	110-127V / 220-240V	350,500,550,650,700,750,850,900mA (DIP switch)	NO	DALI	World	1	Yes (no details available)	Not Tested
TCI	Maxi Jolly US TCM 50	50W	55V	110-127V / 220-240V	350,500,550,650,700,750,850,900mA (DIP switch)	NO	DALI	World	1	Yes (no details available)	Not Tested
TCI	Multijolly 4ch	70W	50V	220-240	230,270,310,350mA (DIP switch)	YES	DALI	World	4	NO	Not Tested
Tridonic	TALEXXdriver LCCI 016/0350 B020 (28000738)	16W	3-48V	220-240	70 – 350 mA (set with resistor/pot)	YES	potentiometer 100K	World	1	NO	Not Tested
Tridonic	TALEXXdriver LCI 35W 350mA–900mA TOP C	35W	39V	220-240	350 – 900 mA (set with resistor/pot)	NO	NO	Europe	1	NO	Not Tested
Truelux	AN30V30CC	20W	60V	100-230	300 mA	YES	0-10V	EU/Asia	1	NO	Pass
Truelux	DA30V30CC	20W	60V	100-230	300 mA	YES	DALI	EU/Asia	1	NO	Pass
Truelux	PH30V30CC	20W	60V	100-230	300 mA	YES	Phase Cut	EU/Asia	1	NO	Pass
Vossloh Schwabe	ECXe 500.164 (ref. no. 186463) (*)	10, 14, 20W	17-40V	220-240	250, 350, 500 mA (DIP switch)	YES	NO	EU/Asia	1	NO	Pass

Notes: Compatibility tests are conducted by Soraa only as guidance for the user
All tests are conducted under bench conditions; results may differ from test results depending on conditions at the application site
Results may vary due to variability in component choices and manufacturing processes by the dimmer or transformer manufacturer
Unless otherwise noted, testing is done with a load of 1 lamp
Unless the driver has independent multiple channels, only 1 CC lamp/Light Engine can be driven with 1 driver.
if the fixture/driver is not listed as tested, please consult with Soraa first before making any recommnedations to end customer.
(*) This driver added to the compatibility list as of Revision B

SORAA Constant Current Lamp and Light Engine Driver/Dimmer COMPATIBILITY LIST

NON-PHASE DIMMABLE DRIVERS					
Driver	**Dimmer -->**	0-10V	DALI	Push button	Panasonic NQ20356 PWM dimmer
eldoLED	DUALdrive 560		0%		
eldoLED	SOLOdrive 360		0%		
eldoLED	SOLOdrive 361	0%			
eldoLED	SOLOdrive 560		0%		
eldoLED	SOLOdrive 561	0%			
Harvard	CL270A-240-C	6%			
Harvard	CL270D-240-C		14%		
HUEUC	PV-3CC-60 LED	4%			
Quanzhou Smarts Electronics and Technology	0-10V SMT-050-0700CD	4%			
Quanzhou Smarts Electronics and Technology	DALI SMT-050-0700CM		1%		
RAL (Ricardo Architectural)	ES010-C030-0E				4%
TCI	DC Minijolly LC (122401) (*)	0%			
TCI	DC Minijolly LC PLV (122401PLV) (*)			1%	
TCI	DC Minijolly LC DALI (122395) (*)		0%		
Truelux	AN30V30CC	3%			
Truelux	DA30V30CC		0%		

Notes:

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All tests are conducted under bench conditions; results may differ from test results depending on conditions at the application site

Unless otherwise noted, testing is done with a load of 1 lamp.

Unless the driver has independent multiple channels, only 1 CC lamp/Light Engine can be driven with 1 driver.

The driver's driving current must meet the needs of the Soraa CC lamp or Light Engine used.

Results may vary due to variability in component choices and manufacturing processes by the dimmer or driver manufacturer

The lamp load (or number of lamps) should meet minimum load requirement of respective dimmer.

--%	Dims to < 20% (of the measured light output)
--%	Dims to 20-30% (of the measured light output)
NC	Not compatible (or dims to >30%)
Blank cell	Not tested

SORAA Constant Current Lamp and Light Engine Driver/Dimmer COMPATIBILITY LIST

PHASE DIMMABLE DRIVERS

Driver	Dimmer -->	Lutron Homeworks QSNE-4A-D (TE)	Lutron Homeworks QSNE-4A-D (LE)	Philips Dynalite DDMC802GL + DGLEDM401 (TE)	Philips Dynalite DDMC802GL + DGTM402 (TE)	Lutron QSGRK-3PCE (LE)	Helvar Digidim 452 (TE)	Helvar Digidim 454 (DALI) (TE)	Feller 40.300.RC (TE)	Feller 40420.RLC	Varilight V-PRO JQP401W	RAKO RDT500 (TE)	Jung 225 TDE (TE)	Lutron DV-600P	Lutron SELV-300P	Lutron MAELV-600	Cabac HNS630DT	Clipsal C-Bus L5504D2U	Clipsal 32E450UDM	Clipsal 32EEDM	Diginet MEDM	Legrand 450P	Legrand AR400A3PM	Legrand EM400A3P	Lumex Load Smart Gen2 LT1D450LS
Hatch	XTC16C-0350P-UNV-I													24%	3%	14%									
Harvard	CoolLED CLK10-300P-240-C 16V to 38V			7%	12%			3%									6%	6%	12%	3%	3%	NC	2%	3%	2%
Lumotech	L05021-40300	15%		9%	27%		NC	19%	15%	14%	12%		24%												
Mode Lighting	LD-0300-48-MT-230-RD	0%	14%	12%	NC	NC	3%	7%	NC	NC	NC	4%													
Quanzhou Smarts Electronics and Technology	TRIAC SMT-045-0700CT													8%											
Truelux	PH30V30CC	0%	0%	2%	18%	0%	0%	0%	3%	NC	0%	0%													

Notes:

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Unless otherwise noted, testing is done with a load of 1 lamp.

Unless the driver has independent multiple channels, only 1 CC lamp/Light Engine can be driven with 1 driver.

The driver's driving current must meet the needs of the Soraa CC lamp or Light Engine used.

Results may vary due to variability in component choices and manufacturing processes by the dimmer or driver manufacturer

The lamp load (or number of lamps) should meet minimum load requirement of respective dimmer.

--%	Dims to < 20% (of the measured light output)
--%	Dims to 20-30% (of the measured light output)
NC	Not compatible (or dims to >30%)
Blank cell	Not tested