



L.T.F.

UniDriver Series Dimmable LED Driver

3W DS3W-0000 120-277V UniDriver Series Constant Current

UNIDRIVER

True Tri Mode Dimming • ELV, TRIAC & 0-10V • 100-277V



Efficiency	> 78%
Power Factor	> 0.9
Case TC	85°C Max.
Protection	Input / Output
Storage	-30°C / +90°C
Humidity	95% RH Max.
IP Rating	IP 67
Class	Class 2 Power Supply
Dimming	0-10V, TRIAC, ELV



RoHS



* Ask for more information

FEATURES

- Universal Input 120V-277V AC 50/60Hz
- **True Tri Mode Dimming** at all input voltages 0-10V, ELV & Triac
- Smooth, flicker free dimming 100%-0.1%
- Title 24 Compliant, AAA rating
- Class 2 power supply
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Low profile, small form factor, junction box mountable
- Efficient, High power factor > 0.90

MODEL NUMBER KEY (Constant Current)

(L)	DS	96W	2800C	1834	BR1	UD	(REO)	-3002
UL Listed (Option)	Input Voltage DS = 120-277VAC DA = 120VAC DE = 277VAC DU = 220-240VAC	Wattage	2800mA Constant Current	18V-34V DC Output Voltage Range	Case Form Factor	UniDriver Series Tri-Mode Dimmable	Remote Enclosure RE = Indoor REO = Outdoor (Option)	Internal Code

ELECTRICAL SPECIFICATIONS (Constant Current)

Model Number	Input Voltage	Wattage	Output Current	Load	Form Factor
DS3W150C1520MB1UD-0000	120-277V AC, 0.04A, 50/60Hz	3W	150mA	15V - 20V DC LED	MB1

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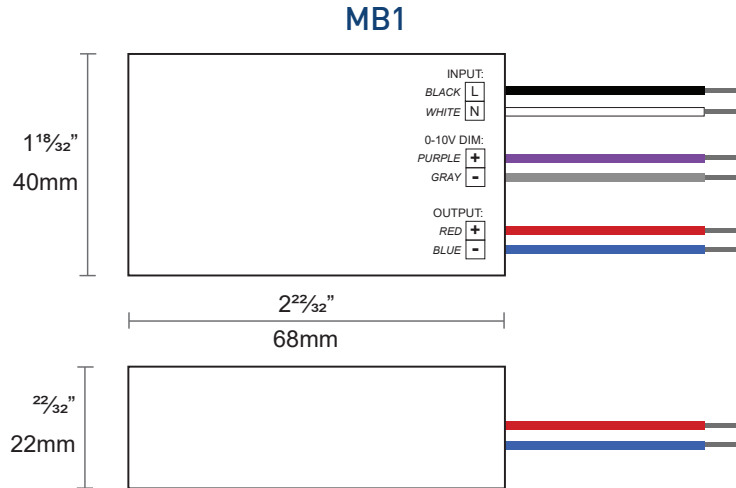
Company's Address: 11966 Oak Creek Pkwy. Unit H Huntley IL 60142 U.S.A. www.lfttechnology.com

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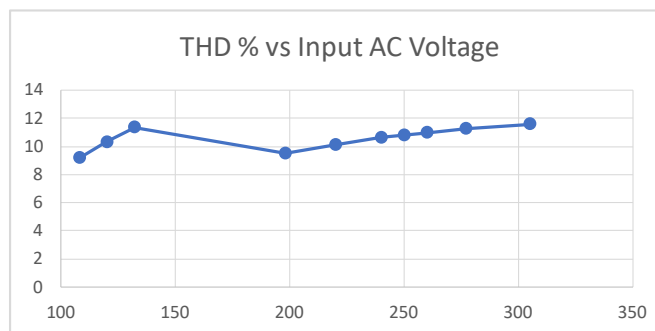
MECHANICAL SPECS

Form Factor	Dimensions
"MB1"	68mm x 40mm x 22mm



ELECTRICAL CHARACTERISTICS (Full Power, No Dimming)

VAC	I _{in} (mA)	P _{in} (W)	PF	THD %	V _{out} (V)	I _{out} (mA)	IFP (min.)	IFP (max)	P _{out} (W)	Effi.	Flicker
108	40.2	4.24	0.976	9.2	15.55	153	99	195	2.38	56.1%	32.7%
120	36.8	4.27	0.966	10.31	19.56	153	99	195	2.99	70.1%	32.7%
132	34.1	4.3	0.954	11.37	19.55	153	99	195	2.99	69.6%	32.7%
198	25.6	4.61	0.906	9.51	19.55	154	100	195	3.01	65.3%	32.2%
220	24.6	4.74	0.874	10.12	19.55	153	100	195	2.99	63.1%	32.2%
240	24	4.87	0.842	10.63	19.55	153	100	195	2.99	61.4%	32.2%
250	23.8	4.94	0.826	10.8	19.55	153	100	195	2.99	60.5%	32.2%
260	23.7	5.01	0.81	10.99	19.55	153	100	195	2.99	59.7%	32.2%
277	23.6	5.13	0.783	11.27	19.55	153	100	195	2.99	58.3%	32.2%
305	23.7	5.36	0.739	11.6	19.55	153	100	195	2.99	55.8%	32.2%

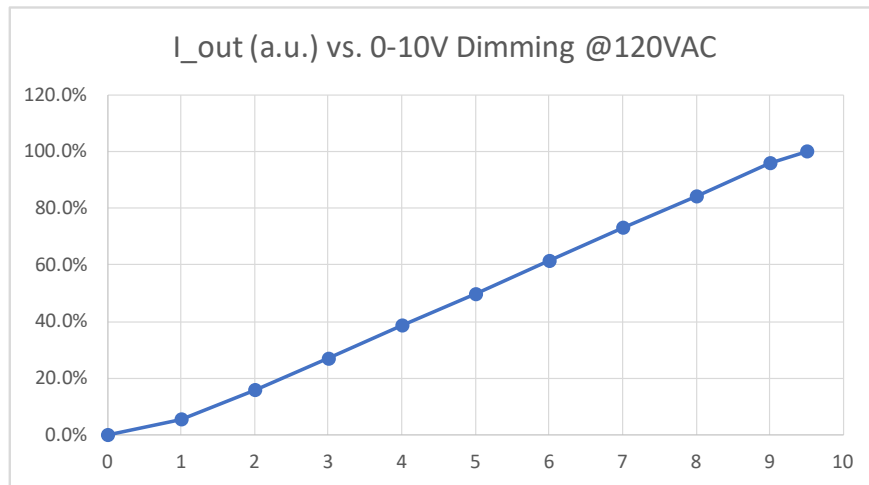




DIMMING CHARACTERISTICS

120V AC 0-10V Dimming

Dim V	I _{in} (mA)	P _{in} (W)	PF	THD %	V _{out} (V)	I _{out} (mA)	IFP (min.)	IFP (max)	P _{out} (W)	Effi.	Flicker
9.5	36.1	4.19	0.966	10.04	19.54	145	91	188	2.83	67.6%	34.8%
9	35	4.06	0.965	9.83	19.5	139	87	181	2.71	66.8%	35.1%
8	31.7	3.67	0.962	9.35	19.38	122	78	158	2.36	64.4%	33.9%
7	28.7	3.3	0.958	9.01	19.26	106	68	136	2.04	61.9%	33.3%
6	25.7	2.95	0.952	8.84	19.13	89	58	115	1.70	57.7%	32.9%
5	22.8	2.58	0.945	8.72	18.98	72	47	93	1.37	53.0%	32.9%
4	19.9	2.23	0.934	8.71	18.82	56	38	72	1.05	47.3%	30.9%
3	17.1	1.89	0.919	8.62	18.64	39	27	51	0.73	38.5%	30.8%
2	14.5	1.56	0.895	8.45	18.42	23	23	29	0.42	27.2%	11.5%
1	12.2	1.25	0.856	8.33	18.1	8	8	10	0.14	11.6%	11.1%
0	8.3	0.63	0.633	23.9	10.32	0	0	0	0.00	0.0%	0%

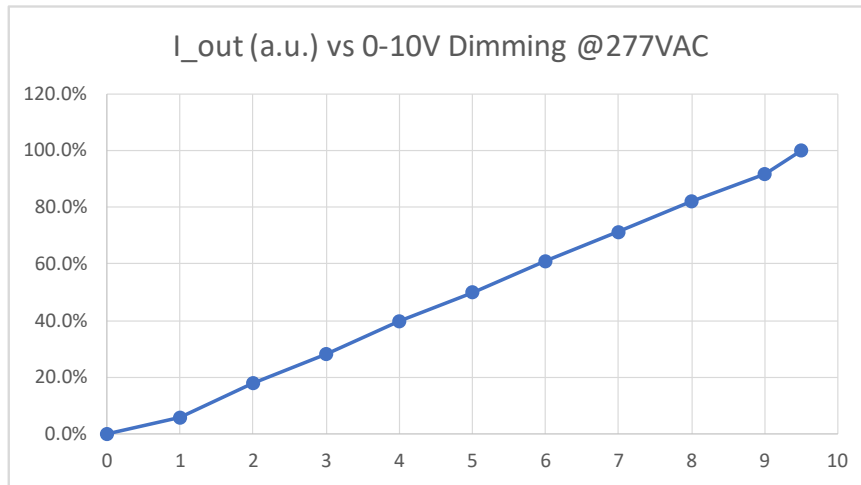




DIMMING CHARACTERISTICS (Continued)

277V AC 0-10V Dimming

Dim V	I _{in} (mA)	P _{in} (W)	PF	THD %	V _{out} (V)	I _{out} (mA)	IFP (min.)	IFP (max)	P _{out} (W)	Effi.	Flicker
9.5	23.4	5.07	0.781	11.1	19.53	156	98	189	3.05	60.1%	31.7%
9	22.9	4.93	0.774	10.8	19.48	143	94	182	2.79	56.5%	31.9%
8	21.8	4.59	0.757	10.21	19.37	128	84	181	2.48	54.0%	36.6%
7	20.8	4.26	0.738	9.71	19.24	111	74	140	2.14	50.1%	30.8%
6	19.8	3.93	0.716	9.28	19.11	95	65	120	1.82	46.2%	29.7%
5	18.7	3.6	0.665	8.82	18.97	78	55	99	1.48	41.1%	28.6%
4	17.8	3.3	0.691	8.41	18.82	62	44	78	1.17	35.4%	27.9%
3	16.9	2.97	0.665	8.11	18.62	44	33	54	0.82	27.6%	24.1%
2	18.5	2.53	0.495	26.3	18.42	28	23	33	0.52	20.4%	17.9%
1	17.3	1.97	0.414	26.34	18.09	9	7	10	0.16	8.3%	17.6%
0	13.9	1.03	0.27	15.6	10.69	0	0	0	0.00	0.0%	0%



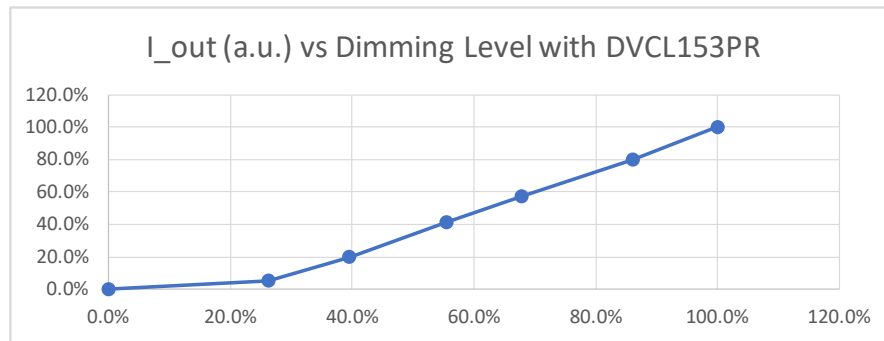


**3W DS3W-0000 120-277V UniDriver Series
Constant Current**

DIMMING CHARACTERISTICS (Continued)

CL Dimming (DVCL-153PR)

Dim %	I _{in} (mA)	P _{in} (W)	PF	V _{out} (V)	I _{out} (mA)	IFP (min.)	IFP (max.)	P _{out} (W)	Effi.	Flicker
100	38.9	4.38	0.949	19.56	150	81	199	2.93	67.0%	42.1%
85	45.7	3.77	0.725	19.3	120	48	182	2.32	61.4%	58.3%
70	41.1	2.97	0.644	19.04	86	35	132	1.64	55.1%	58.1%
55	37.5	2.43	0.581	18.83	62	26	95	1.17	48.0%	57.0%
40	32.3	1.73	0.487	18.51	30	15	47	0.56	32.1%	51.6%
25	26.5	1.15	0.398	18.07	8	6	12	0.14	12.6%	33.3%
0	15.9	0.505	0.302	11.18	0	0	0	0.00	0.0%	0%



ELV Dimming (SELV-300P)

Dim %	I _{in} (mA)	P _{in} (W)	PF	V _{out} (V)	I _{out} (mA)	IFP (min.)	IFP (max.)	P _{out} (W)	Effi.	Flicker
100	40.9	4.75	0.966	19.58	152	96	195	2.98	62.7%	34.0%
85	46.7	3.9	0.698	19.32	124	61	214	2.40	61.4%	55.6%
70	41.5	3.12	0.626	19.06	90	45	158	1.72	55.0%	55.7%
55	37.4	2.55	0.569	18.85	66	34	115	1.24	48.8%	54.4%
40	31.4	1.86	0.492	18.53	34	19	57	0.63	33.9%	50.0%
25	25.6	1.31	0.427	18.15	11	8	16	0.20	15.2%	33.3%
0	16.5	0.753	0.375	13.57	0	0	0	0.00	0.0%	0%

