RDPRO-FS8-300 Irradiance Data

Values translated from the source workbook. Measurement values and units are retained as supplied.

220 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
220 V Input	**590**	0.113	15	0.629	3	1	0.7	0.4	0.2	2	0.9	0.5	0.3	0.2
	630	0.108	14	0.609	8	3	2	1	0.8	8	3	2	1	1
	660	0.14	22	0.73	17	9	5	3	1	20	11	6	4	2
	670	0.106	13	0.593	18	7	4	2	1	26	10	5	3	1
	630+660+670	0.261	51	0.909	35	19	10	5	3	43	23	13	8	4
	810	0.115	15	0.63	60	12	6	4	3	127	28	13	10	8
	830	0.113	15	0.623	50	10	4	3	2	91	20	12	8	6
	850	0.153	25	0.767	63	26	18	13	9	130	53	35	26	15
	1060	0.11	14	0.615	51	12	8	5	3	118	30	15	10	6
	810+830+850+1060	0.283	57	0.922	71	35	30	26	20	143	77	60	51	35
	All Channels On	0.496	104	0.966	86	54	36	33	22	177	93	72	57	41

Electric Field	50v/m	**Magnetic Field**	40nt	**Flicker**	0.012	**Weight**	2.8KG

120 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
120 V Input	**590**	0.142	14	0.893	1	1	0.5	0.4	0.2	3	1	0.6	0.4	0.2
	630	0.125	13	0.889	8	2	1	1	0.9	7	4	3	2	1
	660	0.191	21	0.946	18	9	5	3	2	21	10	6	3	2
	670	0.12	12	0.88	19	7	3	2	1	25	11	5	3	1
	630+660+670	0.443	52	0.982	34	19	10	5	3	44	24	14	8	5
	810	0.136	14	0.901	62	12	5	3	2	118	28	12	11	9
	830	0.141	14	0.89	54	9	5	3	2	90	20	12	7	6
	850	0.216	24	0.954	64	27	17	13	8	128	51	35	26	15
	1060	0.128	13	0.891	56	17	8	5	3	119	30	16	11	6
	810+830+850+1060	0.49	57	0.985	71	34	30	25	20	142	77	60	50	34
	All Channels On	0.892	105	0.995	90	54	37	33	22	176	91	72	57	40

Electric Field	30v/m	**Magnetic Field**	60nt	**Flicker**	0.008

RDPRO-FS8-750 Irradiance Data

Values translated from the source workbook. Measurement values and units are retained as supplied.

220 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
220 V Input	**590**	0.183	27	0.706	3	1	0.8	0.6	0.3	2	1	0.8	0.6	0.3
	630	0.17	25	0.69	10	6	3	2	1	11	5	3	2	1
	660	0.267	48	0.829	22	13	10	7	3	27	16	12	8	4
	670	0.248	43	0.803	24	14	10	6	3	33	17	11	7	4
	630+660+670	0.504	102	0.94	40	30	21	14	7	45	37	26	17	9
	810	0.105	12	0.548	64	15	10	8	6	130	36	21	18	14
	830	0.226	38	0.768	58	16	10	8	6	132	35	21	18	13
	850	0.225	38	0.772	58	21	11	9	6	128	46	24	16	11
	1060	0.221	37	0.763	64	21	16	14	10	130	54	36	32	21
	810+830+850+1060	0.503	103	0.94	80	54	43	37	28	152	95	86	74	58
	All Channels On	1.132	243	0.981	106	78	57	47	37	>200	140	112	92	67

Electric Field	50v/m	**Magnetic Field**	30nt	**Flicker**	0.003	**Weight**	5.4KG

120 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
120 V Input	**590**	0.255	27	0.913	2	1	0.8	0.5	0.3	3	1	1	0.7	0.4
	630	0.242	26	0.904	9	4	3	2	1	7	5	3	2	1
	660	0.422	48	0.964	21	13	9	6	3	26	17	12	8	4
	670	0.382	43	0.957	24	14	10	6	3	32	17	11	7	4
	630+660+670	1.053	124	0.992	40	29	22	13	7	45	36	26	17	10
	810	0.139	11	0.722	63	14	10	8	6	131	36	21	19	14
	830	0.335	37	0.946	58	14	10	7	6	131	35	21	18	14
	850	0.343	38	0.948	58	20	11	9	6	127	46	24	16	11
	1060	0.327	36	0.943	62	22	16	14	10	130	54	36	32	20
	810+830+850+1060	0.878	103	0.987	75	52	43	37	28	150	100	81	76	57
	All Channels On	2.113	247	0.996	105	74	56	47	37	>200	132	112	90	67

Electric Field	25v/m	**Magnetic Field**	24nt	**Flicker**	0.026

RDPRO-FS8-3000 Irradiance Data

Values translated from the source workbook. Measurement values and units are retained as supplied.

220 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
220 V Input	**590**	0.43	62	0.667	1	0.9	0.7	0.5	0.4	1	1	0.7	0.6	0.4
	630	0.367	49	0.606	3	2	2	1	1	3	2	1	1	1
	660	0.922	183	0.906	28	16	12	10	8	29	18	15	12	9
	670	0.756	142	0.867	27	14	11	8	6	32	19	14	11	8
	630+660+670	1.805	391	0.969	40	62	25	21	15	52	40	32	26	19
	810	0.415	59	0.653	38	9	4	3	2	96	22	11	8	6
	830	0.751	142	0.868	55	14	8	7	6	130	32	20	18	16
	850	1.241	256	0.945	69	33	18	16	12	150	71	42	35	28
	1060	0.552	93	0.77	53	12	6	5	0	105	26	14	10	8
	810+830+850+1060	2.313	507	0.978	74	44	33	30	27	165	86	68	62	55
	All Channels On	4.041	858	0.981	109	69	57	46	39	>200	128	100	90	74

Electric Field	24v/m	**Magnetic Field**	52nt	**Flicker**	0.01	**Weight**	22.36KG

120 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
120 V Input	**590**	0.597	63	0.889	2	0.9	0.7	0.5	0.4	2	1	0.9	0.6	0.4
	630	0.483	48	0.839	3	1	1	1	1	4	3	2	1	1
	660	1.608	186	0.839	14	12	11	9	7	30	19	16	14	10
	670	1.255	144	0.971	16	12	10	9	6	37	20	16	12	10
	630+660+670	2.951	350	0.993	42	32	25	21	15	48	40	30	25	20
	810	0.569	60	0.882	41	9	4	3	2	95	21	10	9	6
	830	1.247	143	0.973	59	14	7	7	6	132	33	21	18	16
	850	2.24	261	0.99	60	26	17	15	12	156	70	43	36	27
	1060	0.834	94	0.949	48	11	6	4	0	115	28	17	12	10
	810+830+850+1060	4.37	579	0.993	55	34	27	23	19	169	85	68	61	54
	All Channels On	7.859	892	0.997	91	45	34	31	27	>200	130	100	90	75

Electric Field	20v/m	**Magnetic Field**	41nt	**Flicker**	0.01

RDPRO-1500-FS8-Slim Panel Irradiance Data

Values translated from the source workbook. Measurement values and units are retained as supplied.

220 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	Solar Irradiance					OHSP-350S Spectroradiometer Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
220 V Input	**590**	0.227A	48W	0.67	10	6	4	3	2	8	5	3	2	1
	630	0.205A	26W	0.63	6	3	2	1	0.9	3	2	1	0.9	0.8
	660	0.342A	89W	0.83	76	26	15	10	6	64	21	11	8	5
	670	0.341A	72W	0.828	18	15	9	7	4	32	14	9	7	3
	630+660+670	1.054A	219	0.949	50	40	30	22	14	44	34	26	22	14
	810	0.197A	27W	0.62	62	13	7	5	3	34	6	3	2	1
	830	0.354A	65W	0.843	95	25	18	16	14	46	11	7	5	4
	850	0.595A	122W	0.935	153	85	55	47	40	75	40	25	23	17
	1060	0.27A	44W	0.745	110	28	15	12	9	50	13	7	6	4
	810+830+850+1060	1.178A	249W	0.963	172	108	86	76	64	83	51	42	39	32
	All Channels On	2.09A	445W	0.98	>200	135	105	90	70	105	75	55	49	36

120 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	Solar Irradiance					OHSP-350S Spectroradiometer Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
120 V Input	**590**	0.318A	47W	0.924	2	1	0.9	0.7	0.4	9	6	4	2	1
	630	0.271A	25W	0.898	8	3	2	1	1	3	2	1	1	0.9
	660	0.57A	89W	0.971	26	18	14	11	7	66	22	12	9	6
	670	0.575A	72W	0.971	33	18	13	10	6	34	15	10	7	4
	630+660+670	1.824A	218W	1	50	40	30	23	15	42	33	25	20	12
	810	0.264A	26W	0.893	93	21	10	8	5	35	7	4	2	1
	830	0.604A	65W	0.975	131	34	22	18	15	46	12	7	5	3
	850	1.12A	123W	0.991	140	74	57	50	39	76	41	26	24	18
	1060	0.414A	43W	0.953	107	29	15	13	8	52	14	8	6	4
	810+830+850+1060	2.057A	245W	0.999	175	109	86	76	65	80	50	42	38	32
	All Channels On	4	443W	0.997	>200	151	115	101	79	109	74	54	50	35

Electric Field	45v/m	**Magnetic Field**	112nt	**Flicker Index**	0.012	**Weight**	9.328KG

RDPRO-FS8-6000 Irradiance Data

High-power measurement values translated from the source workbook. Values and units are retained as supplied.

High-Power Mode - 120 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance (High Power)					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
120 V Input	**590**	1.138	123	0.995	2	1	0.8	0.7	0.6	2	1	0.9	0.8	0.7
	630	0.952	98	0.863	4	3	2	2	1	4	3	3	2	2
	660	3.142	370	0.985	18	15	14	14	11	24	19	18	16	13
	670	2.53	296	0.978	18	15	13	12	10	30	20	17	15	11
	630+660+670	6.686	797	0.994	40	38	36	28	25	49	39	37	34	27
	810	1.102	118	0.899	37	10	5	4	3	93	21	14	11	9
	830	2.354	275	0.975	66	20	15	12	11	132	48	30	25	20
	850	4.202	498	0.99	64	21	17	16	14	138	56	39	34	30
	1060	1.633	186	0.955	50	15	8	5	4	104	23	15	13	10
	810+830+850+1060	8.37	996	0.994	75	52	43	37	30	160	80	70	66	61
	All Channels On	15.15	1806	0.996	110	70	61	56	49	>200	126	110	105	92

High-Power Mode - 220 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance (High Power)					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
220 V Input	**590**	0.826	125	0.69	3	0.9	0.8	0.7	0.6	2	1	0.8	0.7	0.6
	630	0.714	99	0.634	4	3	2	2	1	5	3	2	2	1
	660	1.823	368	0.919	25	17	16	14	11	82	38	25	20	15
	670	1.52	295	0.885	26	17	15	9	8	28	17	16	14	11
	630+660+670	3.642	782	0.978	47	34	30	28	23	57	42	37	35	28
	810	0.814	121	0.681	45	10	5	4	2	84	23	12	9	7
	830	1.448	278	0.874	56	21	15	11	9	129	49	30	26	21
	850	2.353	490	0.947	65	23	18	17	16	120	51	40	37	33
	1060	1.078	186	0.786	59	27	17	13	10	132	62	38	28	19
	810+830+850+1060	4.494	972	0.984	70	51	42	40	36	183	116	98	84	73
	All Channels On	7.995	1739	0.989	112	76	67	63	54	>200	150	129	115	98

Electric Field	13v/m	**Magnetic Field**	62nt	**Flicker**	0.02	**Weight**	39.79KG

RDPRO-FS8-6000 Irradiance Data

Low-power measurement values translated from the source workbook. Values and units are retained as supplied.

Low-Power Mode - 120 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance (Low Power)					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
120 V Input	**590**	1.032	109	0.888	2	1	0.7	0.6	0.5	2	1	0.8	0.7	0.5
	630	0.88	0.88	0.844	3	2	2	2	1	4	3	2	2	1
	660	2.533	296	0.979	16	12	11	10	9	17	15	14	13	10
	670	2.087	242	0.97	17	12	11	9	7	24	16	14	12	9
	630+660+670	5.399	643	0.993	30	26	24	22	17	36	32	30	27	21
	810	0.994	104	0.877	27	9	4	3	3	79	15	12	9	7
	830	1.969	228	0.966	48	16	11	9	8	113	40	24	20	16
	850	3.448	408	0.987	50	17	13	10	9	106	45	31	28	23
	1060	1.448	163	0.943	46	14	7	5	3	91	23	14	11	8
	810+830+850+1060	6.816	812	0.994	63	50	41	35	28	130	70	60	56	52
	All Channels On	12.16	1452	0.994	82	52	47	45	39	156	100	90	84	75

Low-Power Mode - 220 V Input

Test Condition		Input Current (A)	Input Power (W)	Power Factor	OHSP-350S Spectroradiometer Irradiance (Low Power)					Solar Irradiance				
					6 in	12 in	18 in	24 in	36 in	6 in	12 in	18 in	24 in	36 in
220 V Input	**590**	0.768	111	0.664	2	0.9	0.8	0.7	0.6	1	0.9	0.8	0.7	0.6
	630	0.665	90	0.616	3	2	2	1	1	4	2	2	2	1
	660	1.52	296	0.866	19	11	10	9	7	65	29	20	16	12
	670	1.303	243	0.851	21	13	12	11	9	23	15	13	11	9
	630+660+670	2.98	633	0.966	40	27	24	22	18	47	34	30	27	22
	810	0.755	108	0.653	36	9	4	3	2	78	18	10	8	6
	830	1.254	231	0.84	45	16	12	10	7	109	36	25	21	17
	850	1.975	403	0.929	54	22	14	13	12	100	37	32	30	27
	1060	0.993	164	0.754	50	26	15	10	8	112	53	33	24	16
	810+830+850+1060	3.688	793	0.979	64	45	35	32	30	139	98	81	71	60
	All Channels On	6.461	1397	0.982	81	63	53	45	36	154	104	94	85	75

Electric Field	6v/m	**Magnetic Field**	46nt
Flicker	0.025		

Aging Temperature Data

Temperatures are shown in degrees Celsius. Values are retained from the source workbook.

RDPRO300-FS8 Slim Panel Aging Temperature Data | Ambient Temperature: 29°C | Date: 2026.8.6

Test Location	Constant-Current PCB IC	Constant-Current PCB MOSFET	Constant-Current PCB Inductor	Power Supply	LED Board	LED Lead	Lens Cover
Initial Temperature (°C)	32.33	29.65	31.08	28.18	28.61	28.83	28.97
Temperature after 30 min (°C)	69.27	65.24	66.36	56.66	63.72	48.66	51.89
Temperature after 1 h (°C)	70.22	66.13	67.21	61.84	65.17	51.98	52.88
Temperature after 1.5 h (°C)	71.06	66.87	76.95	64.1	65.96	72.83	56.53
Temperature after 2 h (°C)	71.13	67.06	78.05	64.7	66.11	72.94	56.5

RDPRO750-FS8 Slim Panel Aging Temperature Data | Ambient Temperature: 28°C | Date: 2026.8.6

Test Location	Constant-Current PCB IC	Constant-Current PCB MOSFET	Constant-Current PCB Inductor	Power Supply	LED Board	LED Board Lead	Lens Cover
Initial Temperature (°C)	28.4	28.15	28.17	28.02	27.97	28	28.33
Temperature after 30 min (°C)	48.99	53.18	48.76	43.43	46.82	50.3	43.52
Temperature after 1 h (°C)	48.76	52.73	47.89	44.98	46.95	50.42	43.97
Temperature after 1.5 h (°C)	50.19	53.74	48.81	46.31	48.36	51.61	45.46
Temperature after 2 h (°C)	52.28	56	51.44	48.2	50.01	53.34	47.37

RDPRO1500-FS8 Slim Panel Aging Temperature Data | Ambient Temperature: 27.7°C | Date: 2026/9/4

Test Location	Constant-Current PCB Inductor	Constant-Current PCB IC	Power Supply	LED Board	LED Lead	Lens Cover
Initial Temperature (°C)	27.9	27.9	27.7	27.6	27.6	29.1
Temperature after 30 min (°C)	54.9	47.3	49.5	45.5	45.9	44
Temperature after 1 h (°C)	55.3	47.9	50.5	45.3	46.1	44.1
Temperature after 1.5 h (°C)	54.9	47.3	50	45.1	46.2	43.4
Temperature after 2 h (°C)	56.3	48.8	50.3	45.1	46.3	43.3

RDPRO3000-FS8 Slim Panel Aging Temperature Data | Ambient Temperature: 29°C | Date: 2026.8.6

Test Location	Constant-Current PCB IC	Constant-Current PCB Inductor	Power Supply	LED Board	LED Lead	Lens Cover
Initial Temperature (°C)	30.9	30.4	29	29	29.4	29.2
Temperature after 30 min (°C)	54.6	45.4	37.3	44.8	47.5	39.2
Temperature after 1 h (°C)	55.1	45.8	37.8	45.1	47.7	39.4
Temperature after 1.5 h (°C)	55.2	45.9	38	45.5	47.9	40.4
Temperature after 2 h (°C)	55.1	45.8	38.1	45.5	47.8	40.2

RDPRO6000-FS8 Slim Panel Aging Temperature Data | Ambient Temperature: 28.7°C | Date: 2026.8.6

Test Location	Constant-Current PCB IC	Constant-Current PCB Inductor	Power Supply	LED Board	LED Lead	Lens Cover
Initial Temperature (°C)	28.8	28.8	28.9	28.8	28.7	28.7
Temperature after 30 min (°C)	47.3	46.2	40.7	50.5	50	46
Temperature after 1 h (°C)	47.7	46.6	42.6	50.9	50.7	46.5
Temperature after 1.5 h (°C)	47.6	46.4	42.8	50.8	50.7	46.3
Temperature after 2 h (°C)	47.6	46.7	42.9	50.9	50.7	46.7

Beam Spot Test Data

Beam dimensions are retained from the source workbook.

RDPRO300-FS8 Beam Spot Test Data

Distance (in)	Distance (mm)	Length (cm)	Width (cm)
6 inch	150mm	25	20
12 inch	300mm	35	26
18 inch	460mm	40	35
24 inch	610mm	50	45
36 inch	910mm	71	55

RDPRO750-FS8 Beam Spot Test Data

Distance (in)	Distance (mm)	Length (cm)	Width (cm)
6 inch	150mm	49	25
12 inch	300mm	56	30
18 inch	460mm	66	40
24 inch	610mm	73	50
36 inch	910mm	88	60

RDPRO1500-FS8 Beam Spot Test Data

Distance (in)	Distance (mm)	Length (cm)	Width (cm)
6 inch	150mm	90	25
12 inch	300mm	90	30
18 inch	460mm	100	40
24 inch	610mm	109	50
36 inch	910mm	119	61

RDPRO3000-FS8 Beam Spot Test Data

Distance (in)	Distance (mm)	Length (cm)	Width (cm)
6 inch	150mm	147	40
12 inch	300mm	158	46
18 inch	460mm	171	51
24 inch	610mm	180	56
36 inch	910mm	198	71

RDPRO6000-FS8 Beam Spot Test Data

Distance (in)	Distance (mm)	Length (cm)	Width (cm)
6 inch	150mm	180	56
12 inch	300mm	185	61
18 inch	460mm	190	71
24 inch	610mm	201	78
36 inch	910mm	221	119