

Solar Series - MRI

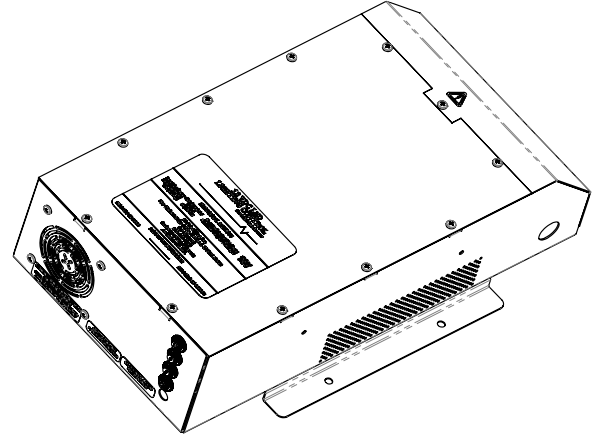
DCLC Power Supplies

12V, 24V and 36V Series

MRI Compatible

Product Description

The DC Lighting Controller (DCLC) is a modular multi-zone power supply system for LED lighting applications specifically designed to meet the unique requirements of an MRI scan room. A wide variety of power supply options allows the DCLC to fit any lighting application both from general workspace and directional lighting to custom cove lighting and Image Ceiling® applications. The DCLC provides quiet, reliable power to anywhere in the health care facility. Multizone dimming is supported through either standard 0-10V wall box dimmers or optionally through the mobile lighting application. Certified to meet MRI vendor EMI requirements. MRI applications require EMI free emissions for specific frequency bands. All outputs are linear DC and no pulse width modulation (PWM*).



Mechanical				
	Minimum	Typical	Maximum	Units
Overall Dimensions	10.875 W	5 D	17.5 L	Inches
Enclosure	-	Powder Coated Steel	-	-
Product Weight	-	-	Max. 17.1	lbs

Compliance				
	Minimum	Typical	Maximum	Units
Regulatory Safety	-	Listed	-	UL 2108 CSA C22.2#250.2
CE	-	Pending	-	-
RoHS	-	Pending	-	2011/65/EU

Environmental				
	Minimum	Typical	Maximum	Units
Operating Temperature	0	-	25	C
Humidity	20	-	80	%
Warranty	3	-	-	Years

Installation Notes				
An RF Filter is required for proper operation in the MRI suite				
*PWM is known to cause image artifacts, audible noise and light flicker				

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12V Series Electrical Data

Part Number	Lighting Zones	Directional Lights	Input Voltage (Vac)	Max Input Current (A @120V)	Max Input (W)	Frequency (Hz)	Max Output Current (A)	Max Output (W)	BTU/hr
1-05-000006	1 Max	-	120/240	4.1	410	50/60	25 A x 1 Output	328	1119
1-05-000007	2 Max	-	120/240	7.0	820	50/60	25 A x 2 Outputs	656	2238
1-05-000008	3 Max	-	120/240	7.0	900	50/60	25 A x 3 Outputs	720	2456
1-05-000025	1 Max (+ Directionals)	2 Fixtures	120/240	4.4	450	50/60	25 A x 1 Output 0.9A for Directionals	360	1228
1-05-000026	2 Max (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	25 A x 2 Outputs 0.9A for Directionals	688	2347
1-05-000050	2 Max	-	120/240	7.0	900	50/60	25 A x 1 Output, 18 A x 1 Output	720	2456
1-05-000057	1 Max (+2 x Directionals)	4 Fixtures	120/240	4.7	490	50/60	25 A x 1 Output 0.9A for Directionals	392	1337

24V Series Electrical Data

Part Number	Lighting Zones	Directional Lights	Input Voltage (Vac)	Max Input Current (A @120V)	Max Input (W)	Frequency (Hz)	Max Output Current (A)	Max Output (W)	BTU/hr
1-05-000009	1 Max	-	120/240	4.1	410	50/60	14 A x 1 Output	328	1119
1-05-000010	2 Max	-	120/240	7.0	820	50/60	14 A x 2 Outputs	656	2238
1-05-000011	3 Max	-	120/240	7.0	900	50/60	14 A x 3 Outputs	720	2456
1-05-000027	1 Max (+ Directionals)	2 Fixtures	120/240	4.4	450	50/60	14 A x 1 Output 0.9A for Directionals	360	1228
1-05-000028	2 Max (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	14 A x 2 Outputs 0.9A for Directionals	688	2347
1-05-000053	2 Max	-	120/240	7.0	900	50/60	14 A x 1 Output, 18 A x 1 Output	720	2456
1-05-000058	1 Max (+2x Directionals)	4 Fixtures	120/240	4.7	490	50/60	14 A x 1 Output 0.9A for Directionals	392	1337

36V Series Electrical Data

Part Number	Lighting Zones	Directional Lights	Input Voltage (Vac)	Max Input Current (A @120V)	Max Input (W)	Frequency (Hz)	Max Output Current (A)	Max Output (W)	BTU/hr
1-05-000012	1 Zone	-	120/240	4.1	410	50/60	9 A x 1 Output	328	1119
1-05-000013	1 Zone	-	120/240	7.0	820	50/60	18 A x 1 Output	656	2238
1-05-000014	2 Zones	-	120/240	7.0	820	50/60	9 A x 2 Outputs	656	2238
1-05-000015	1 Zone	-	120/240	7.0	900	50/60	25 A x 1 Output	720	2456
1-05-000017	2 or 3 Zones	-	120/240	7.0	900	50/60	9 A x 3 Outputs	720	2456
1-05-000029	1 Zone (+ Directionals)	2 Fixtures	120/240	4.4	450	50/60	9 A x 1 Output 0.9A for Directionals	360	1228
1-05-000030	1 Zone (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	18 A x 1 Output 0.9A for Directionals	688	2347
1-05-000031	2 Zones (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	9 A x 2 Outputs 0.9A for Directionals	688	2347
1-05-000059	1 Max (+2x Directionals)	4 Fixtures	120/240	4.7	490	50/60	9 A x 1 Output 0.9A for Directionals	392	1337
1-05-000060	1x Directionals	2 Fixtures	120/240	0.4	40	50/60	0.9A for Directionals	36	123
1-05-000061	2x Directionals	4 Fixtures	120/240	0.7	80	50/60	0.9A for Directionals	72	246
1-05-000062	3x Directionals	6 Fixtures	120/240	1	120	50/60	0.9A for Directionals	108	369

Hybrid Series Electrical Data

Part Number	Vdc Out	Lighting Zones	Directional Lights	Input Voltage (Vac)	Max Input Current (A @120V)	Max Input (W)	Frequency (Hz)	Max Output Current (A)	Max Output (W)	BTU/hr
1-05-000045	12V/12V/24V	3 Max	-	120/240	7.0	900	50/60	25 A x 2 Output, 14 A x 1 Output	720	2456
1-05-000046	12V/12V/36V	3 Max	-	120/240	7.0	900	50/60	25 A x 2 Output, 9 A x 1 Output	720	2456
1-05-000047	12V/24V/24V	3 Max	-	120/240	7.0	900	50/60	25 A x 2 Output, 14 A x 2 Output	720	2456
1-05-000042	12V/24V	2 Max	-	120/240	7.0	820	50/60	25 A x 1 Output, 14 A x 1 Output	656	2238
1-05-000054	12V/24V	2 Max (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	25 A x 1 Output, 14 A x 1 Output 0.9A for Directionals	688	2347
1-05-000048	12V/24V/36V	3 Max	-	120/240	7.0	900	50/60	25 A x 1 Output, 14 A x 1 Output, 9 A x 1 Output	720	2456
1-05-000043	12V/36V	2 Max	-	120/240	7.0	820	50/60	25 A x 1 Output, 9 A x 1 Output	656	2238
1-05-000055	12V/36V	2 Max (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	25 A x 1 Output, 9 A x 1 Output 0.9A for Directionals	688	2347
1-05-000051	24V/24V/36V	3 Max	-	120/240	7.0	900	50/60	14 A x 2 Output, 9 A x 1 Output	720	2456
1-05-000044	24V/36V	2 Max	-	120/240	7.0	820	50/60	14 A x 1 Output, 9 A x 1 Output	656	2238
1-05-000056	24V/36V	2 Max (+ Directionals)	2 Fixtures	120/240	7.0	860	50/60	14 A x 1 Output, 9 A x 1 Output 0.9A for Directionals	688	2347
1-05-000052	24V/36V/36V	3 Max	-	120/240	7.0	900	50/60	14 A x 1 Output, 9 A x 2 Output	720	2456

Mechanical Dimensions*

