GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

MAGNETIC DRIVERS

Our magnetic drivers power your LED system seamlessly, and can be easily retrofitted into older or existing wiring structures.

- 24 VDC output
- 120 VAC or 277 VAC inputs
- Dims to 1%
- Wet or Dry location
- 20 W, 40 W, 60 W, 96 W (Class 2 Drivers), 200 W, 300 W
- Line Voltage dimming
- Dimmer Compatibility:
  Lutron Diva MLV Dimmer
  Lutron Nova T MLV DImmer
  (See the complete driver compatibility list on product page)
- 3, 5 and 6 knockout sizes for 3/8 in screw cable connectors
- NEMA 3R Rated

Applications:

Commercial
Entertainment
Healthcare
Hospitality
Museums
Public Spaces
Residential
Retail

QuickShip

5-Day QuickShip program available for 20W, 40W, 60W and 96W models only

ORDERING GUIDE

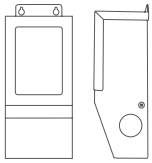
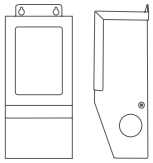
Category	Voltage	Wattage		Input Voltage
DRVWDIM	**24**			
DRVWDIM - Magnetic Driver	**24** - 24 VDC	**20** - 20W (120V only)	**100** - 96W	**Blank** - 120 VAC
		40 - 40W (120V only)	**200** - 200 W	**277** - 277 VAC
		60 - 60W	**300** - 300 W	

*Please refer to the **Magnetic Drivers Wiring Diagram** for control instructions.

DRIVER AND RIBBONLYTE AT FULL LOAD

Wattages	40		60		96 + 100		150		200		240		300		320	
Wire Gauge	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
24 AWG	14	4.27	9	2.74	5.5	1.68	3.75	1.14	2.75	0.84	2.25	0.69	1.75	0.53	1.75	0.53
22 AWG	22	6.71	14	4.27	9	2.74	5.75	1.75	4.5	1.37	3.5	1.07	2.75	0.84	2.75	0.84
20 AWG	35	10.67	23	7.01	14	4.27	9	2.74	7	2.13	5.75	1.75	4.5	1.37	4.25	1.30
18 AWG	56	17.07	37	11.28	23	7.01	15	4.57	11	3.35	9	2.74	7.5	2.29	7	2.13
16 AWG	90	27.44	60	18.29	37	11.28	24	7.32	18	5.49	15	4.57	12	3.66	11	3.35
14 AWG	142	43.29	95	28.96	59	17.99	38	11.59	28	8.54	23	7.01	19	5.79	17	5.18
12 AWG	226	68.90	151	46.04	94	28.66	60	18.29	45	13.72	37	11.28	30	9.15	28	8.54
10 AWG	360	109.76	240	73.17	150	45.73	96	29.27	72	21.95	60	18.29	48	14.63	45	13.72
8 AWG	574	175.00	381	116.16	239	72.87	153	46.65	115	35.06	95	28.96	76	23.17	71	21.65

MAGNETIC DRIVERS SPECIFICATIONS

	120 VAC CLASS 2	
		
	20 W Part No: DRVWDIM2420	**40 W** Part No: DRVWDIM2440
Output Voltage (DC)	24 VDC	24 VDC
Input Voltage (VAC)	120 VAC	120 VAC
Rated Current	0.97 A	1.72 A
Max Output Current	0.97 A	1.67 A
Rated Power	20 W	40 W
Voltage Range	21.6 - 24 VDC	21.3 - 24 VDC
Input Frequency	60Hz	60 Hz
Efficiency (Typ.)	> 76%	> 82%
Max Input Current	0.27 A	0.41 A
Safety Standards	UL 8750	UL 8750
Dimensions	5.6" x 2.14" x 2" (142.2 mm x 54.4 mm x 50.8 mm)	5.60 in x 2.14 in x 2.0 in (142.2 mm x 54.3 mm x 50.8 mm)
Weight	2.16 lbs	2.19 lbs

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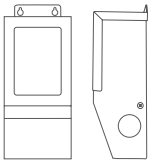
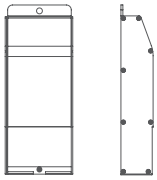
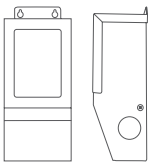
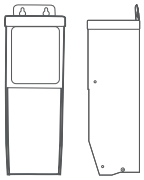
	120 VAC CLASS 2	
		
	60 W Part No: DRVWDIM2460	**96 W** Part No: DRVWDIM24100
Output Voltage (DC)	24 VDC	24 VDC
Input Voltage (VAC)	120 VAC	120 VAC
Rated Current	2.56 A	4 A
Max Output Current	0.97 A	4 A
Rated Power	60 W	96 W
Voltage Range	22.1 - 24 VDC	22.1 - 24 VDC
Input Frequency	60Hz	60Hz
Efficiency (Typ.)	85%	85%
Max Input Current	0.61 A	0.97 A
Safety Standards	Conforms to UL STD. 1310, Certified CSA, STD. C22.2 No. 223	
Dimensions	6.55 in x 2.25 in x 2.55 in (166.4 mm x 57.2 mm x 64.8 mm)	6.55 in x 2.25 in x 2.55 in (166.4 mm x 57.2 mm x 64.8 mm)
Weight	3.44 lbs	3.44 lbs
	277 VAC CLASS 2	
		
	60 W Part No: DRVWDIM2460-277	**96 W** Part No: DRVWDIM24100-277
Output Voltage (DC)	24 VDC	24 VDC
Input Voltage (VAC)	277 VAC	277 VAC
Rated Current	2.56 A	4 A
Max Output Current	2.56 A	4 A
Rated Power	60 W	96 W
Voltage Range	21.8 - 24 VDC	22.1 - 24 VDC
Input Frequency	60Hz	60Hz
Efficiency (Typ.)	84%	84.3%
Max Input Current	0.95 A	0.96 A
Safety Standards	Conforms to UL STD. 1310, Certified CSA, STD. C22.2 No. 223	
Dimensions	6.55 in x 2.25 in x 2.55 in (166.3 mm x 57.15 mm x 64.7 mm)	9.8 in x 3 in x 3 in (248.92 mm x 76.2 mm x 76.2 mm)
Weight	3.13 lbs	5.44 lbs
	*Dimmable with any Magnetic Low Voltage dimmer provided that the dimmer's minimum load is reached.	

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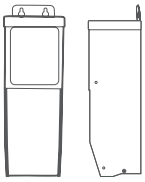
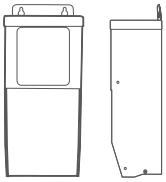
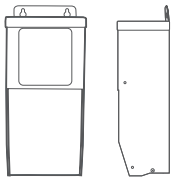
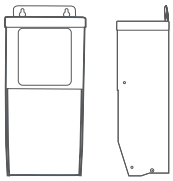
MAGNETIC DRIVERS SPECIFICATIONS

SPECIFICATIONS	120 VAC	
		
	200 W Part No: DRVWDIM24200	**300 W** Part No: DRVWDIM24300
Output Voltage (DC)	24 VDC	24 VDC
Input Voltage (VAC)	120 VAC	120 VAC
Rated Current	10.9 A	12.5 A
Max Output Current	8.3 A	12.5 A
Rated Power	200 W	300 W
Voltage Range	23.3 - 24 VDC	23.53 - 24 VDC
Input Frequency	60Hz	60Hz
Efficiency (Typ.)	85%	85%
Max Input Current	2.51 A	2.86 A
Safety Standards	Conforms to UL STD. 2108, Certified CSA, STD. C22.2 No. 250.0	
Dimensions	10.06 in x 3.09 in x 2.84 in (255.5 mm x 78.5 mm x 72.1 mm)	10.04 in x 4.21 in x 3.5 in (255.1 mm x 107 mm x 88.8 mm)
Weight	5.44 lbs	8.75 lbs
	*Dimmable with any Magnetic Low Voltage dimmer provided that the dimmer's minimum load is reached.	

SPECIFICATIONS	277 VAC	
		
	200 W Part No: DRVWDIM24200-277	**300 W** Part No: DRVWDIM24300-277
Output Voltage (DC)	24 VDC	24 VDC
Input Voltage (VAC)	277 VAC	277 VAC
Rated Current	10.9 A	20.8 A
Max Output Current	8.3 A	12.5 A
Rated Power	200 W	300 W
Voltage Range	22.1 - 24 VDC	22.1 - 24 VDC
Input Frequency	60Hz	60Hz
Efficiency (Typ.)	81.9%	90%
Max Input Current	2.51 A	2.86 A
Safety Standards	Conforms to UL STD. 2108, Certified CSA, STD. C22.2 No. 250.0	
Dimensions	9.8 in x 4.2 in x 3.5 in (248.9 mm x 106.68 mm x 88.9 mm)	9.8 in x 4.2 in x 3.5 in (248.9 mm x 106.68 mm x 88.9 mm)
Weight	5.44 lbs	8.75 lbs
	*Dimmable with any Magnetic Low Voltage dimmer provided that the dimmer's minimum load is reached.	