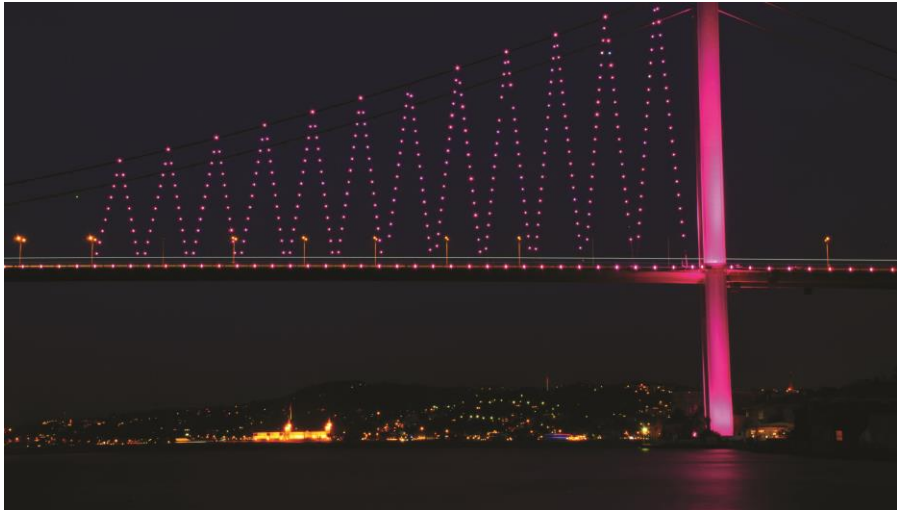
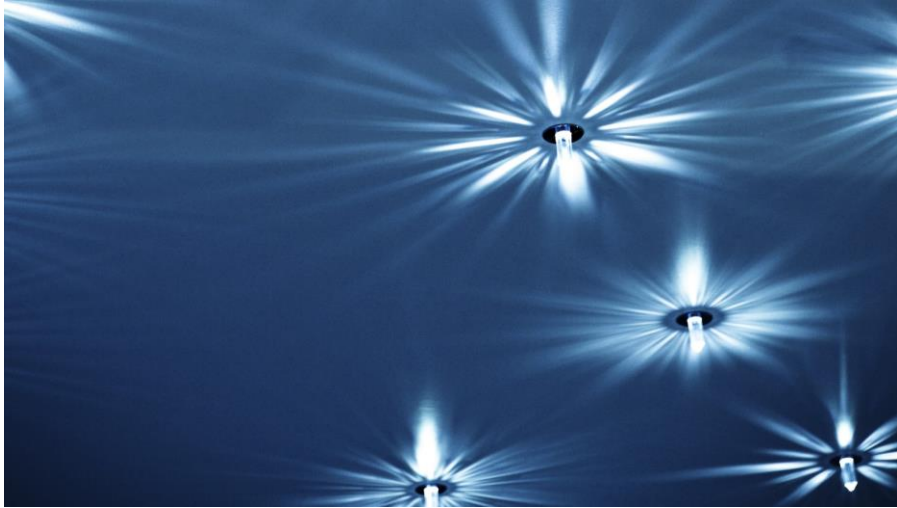


Aimtec's Lighting Solution



AC/DC LED Drivers



Lighting

Outdoor Highbay
lights Street
lights
Flood lights

Key Features

Cold startup temperature: -40°C or -55°C
40W and up to 250W
Input Voltage up to 305VAC
IP67 or IP68
3-in-1 Dimming
Ultra low ripple, no flickering

Indoor

Interior – spotlight, downlight, tubular,
panel light
Entertainment lighting

Key Features

60W and lower
Active PFC with high efficiency
Class II power supply – double insulated
3-in-1 Dimming
Ultra low ripple, no flickering



Lighting

SERIES	INPUT (VAC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	ISOLATION (VAC)	DIMMING	OPERATING TEMPERATURE (°C)	IP RATING	SAFETY
40 Watt								
AMER40-Z	90-305	30-42	0.75, 0.90	3750		-40 to +60	IP67	CE
AMER40N-Z	90-305	30-42	0.75, 0.90	3750		-40 to +60	IP67	CE
50 Watt								
AMER50-Z	90-305	30-42	1.05, 1.20	3750		-40 to +60	IP67	CE
AMER50N-Z	90-305	30-42	1.05, 1.20	3750		-40 to +60	IP67	CE
AMEQR50N-Z	90-305	36-50	1	3750		-40 to +60	IP67	CE
60 Watt								
AMER60-Z	90-305	24-42	1.3,1.4,1.5,1.6	3750		-40 to +60	IP67	CE
AMER60N-Z	90-305	24-42	1.3,1.4,1.5,1.6	3750		-40 to +60	IP67	CE
70 Watt								
AMEQR70N-Z	90-305	36-50	1.4	3750		-40 to +60	IP67	CE
90 Watt								
AMER90-Z	90-305	24-42, 40-56	2.0, 1.6	3750		-40 to +60	IP67	CE
120 Watt								
AMER120-Z	90-305	24-42, 40-56	2.5,3.0	3750		-40 to +60	IP67	CE
130 Watt								
AMER130-Z	90-305	35-55	2.4	3750		-40 to +70	IP67	CE
160 Watt								
AMER160-Z	90-305	15-48,30-55,15-48	3.2,2.9,3.4	3750		-40 to +70	IP67	CE
170 Watt								
AMER175-Z	90-305	15-48	3.6	3750		-40 to +70	IP67	CE
250 Watt								
AMER250C-Z	90-305	12-24, 21-42	5.0/10.0, 3.0/6.0	3750	3-in-1 dimming	-40 to +70	IP67	CE



Lighting

SERIES	INPUT (VAC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	ISOLATION (VAC)	DIMMING	OPERATING TEMPERATURE (°C)	IP RATING	SAFETY
5 Watt								
AMEPR5-AZ	90-264	3-5, 2-6, 5-12, 6-14, 6-16	0.3, 0.35, 0.7, 1	3000		0 to +80	IP67	CE
8 Watt								
AMEPR8D-AZ	90-264	9-18, 6-12, 12-24	0.35, 0.4, 0.7	3000		0 to +80	IP67	CE
10 Watt								
AMEPR10-Z	90-264	18-36, 23-33, 30-42	0.29, 0.24	3750	-	-20 to +50		CE
16 Watt								
AMEPR16-Z	90-264	24-42, 40-58, 30-42	0.29, 0.36	3750		-20 to +50		CE
30 Watt								
AMEPR30-Z	90-264	30-42, 28-42	0.5,0.6,0.7	3750		-20 to +50		CE
AMEPR30N-Z	90-305	24-42	0.5,0.6,0.7	3750		-30 to +50		CE
AMEPR30NC-Z	90-305	24-42	0.5,0.6,0.7	3750	3-in-1 dimming	-30 to +50		CE
40 Watt								
AMEPR40-Z	90-264	80-100, 30-42	0.4, 1.0	3750		-20 to +50		CE
AMEPR40N-Z	90-305	24-42	0.8,0.85,0.9,1.0	3750		-30 to +50		CE
AMEPR40NC-Z	90-264	24-42	0.8,0.85,0.9,1.0	3750	3-in-1 dimming	-30 to +50		CE
50 Watt								
AMEPR50N-Z	90-264	30-42	1.0,1.05,1.15	3750		-40 to +50		CE
60 Watt								
AMEOR60C-AZ	90-305	5-12, 12-24, 24-36, 36-50	1.2, 1.66, 2.5, 5	3000	3-in-1 dimming	-40 to +80		CE
AMEPR60N-Z	90-264	24-42	1.4	3750		-40 to +50		CE



AMER40/50/60(N)-AZ AC-input Outdoor LED Driver

Features	Applications
Waterproof IP67 design Accurate Constant Current +/- 5% Ultra low ripple, no flickering for N option	Garage light, Walkway light, Floodlight, Outdoor Panel light
Active Power Factor Correction > 0.92, high efficiency > 86.0%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMEQR50/70N AC-input Outdoor LED Driver

Features	Applications
Waterproof IP67 design Accurate Constant Current +/- 5% Ultra low ripple, no flickering	Garage light, Walkway light, Floodlight, Low bay
Active Power Factor Correction > 0.92, high efficiency – up to 88.0%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMER90/120-Z AC-input Outdoor LED Driver

Features	Applications
Waterproof IP67 design Accurate Constant Current +/- 5%	Garage light, Walkway light, Floodlight, Low bay
Active Power Factor Correction > 0.92, high efficiency – up to 88.5%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMER130/160/175-Z AC-input Outdoor LED Driver

Features	Applications
Waterproof IP67 design Accurate Constant Current +/- 5%	Streetlight, Floodlight, High bay, Walkway light
Active Power Factor Correction > 0.92, high efficiency – up to 92%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMER250C-Z AC-input Outdoor LED Driver

Features	Applications
Waterproof IP67 design Accurate Constant Current +/- 3% 3-in-1 dimming: 0-10V, PWM, resistor	HIV equivalent: Streetlight, Floodlight, High bay
Active Power Factor Correction > 0.92, high efficiency – up to 91% Manual Adjustable Output: 50%-100%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMEPR10-Z, AMEPR16-Z AC-input Indoor LED Driver

Features	Applications
Class II LED driver – double insulated. Accurate Constant Current +/- 5%	Spotlight, Track light, AR111, 4",6" downlight, ceiling lamp, 2ft, 4ft T5/T8 LED flood tube
Active Power Factor Correction - 0.90, high efficiency – up to 88%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMEPR30-Z, AMEPR40-Z AC-input Indoor LED Driver

Features	Applications
Class II LED driver – double insulated. Accurate Constant Current +/- 5%	8" downlight, ceiling panel lamp, 6ft, 8ft T5/T8 LED tube
Active Power Factor Correction - 0.95, high efficiency > 88%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMEPR30N(C)-Z, AMEPR40N(C)-Z AC-input Indoor LED Driver

Features	Applications
Class II LED driver – double insulated. Accurate Constant Current +/- 5% Ultra low ripple, no flickering 3-in-1 dimming for option C: 0-10V, PWM, resistor	8" downlight, ceiling panel lamp, 6ft, 8ft T5/T8 LED tube
Active Power Factor Correction - 0.98, high efficiency > 88%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



AMEPR50N-Z, AMEPR60N-Z AC-input Indoor LED Driver

Features	Applications
Accurate Constant Current +/- 5% Ultra low ripple, no flickering	8",10" downlight, ceiling panel lamp, Indoor flood light, 8ft T5/T8 LED tube
Active Power Factor Correction > 0.95, high efficiency up to 87%	
Conform to EN55015, EN61000, EN61547 standard	
Continuous Over voltage, short circuit protection	



Aimtec LED Drivers, Delivering Value to You

- ✓ **Active PFC and high efficiency (PF up to 0.98)**
Reduces energy consumption of lighting system
- ✓ **90 – 305VAC @ 47-63Hz**
Full input range for home, retail, industry, and public
- ✓ **Weatherproof IP68 case**
Outdoor lighting applications
- ✓ **Low ripple current, no flickering**
High quality LED light
- ✓ **3-in-1 dimming control**
0-10V, PWM, resistive



Thank you for choosing Aimtec!