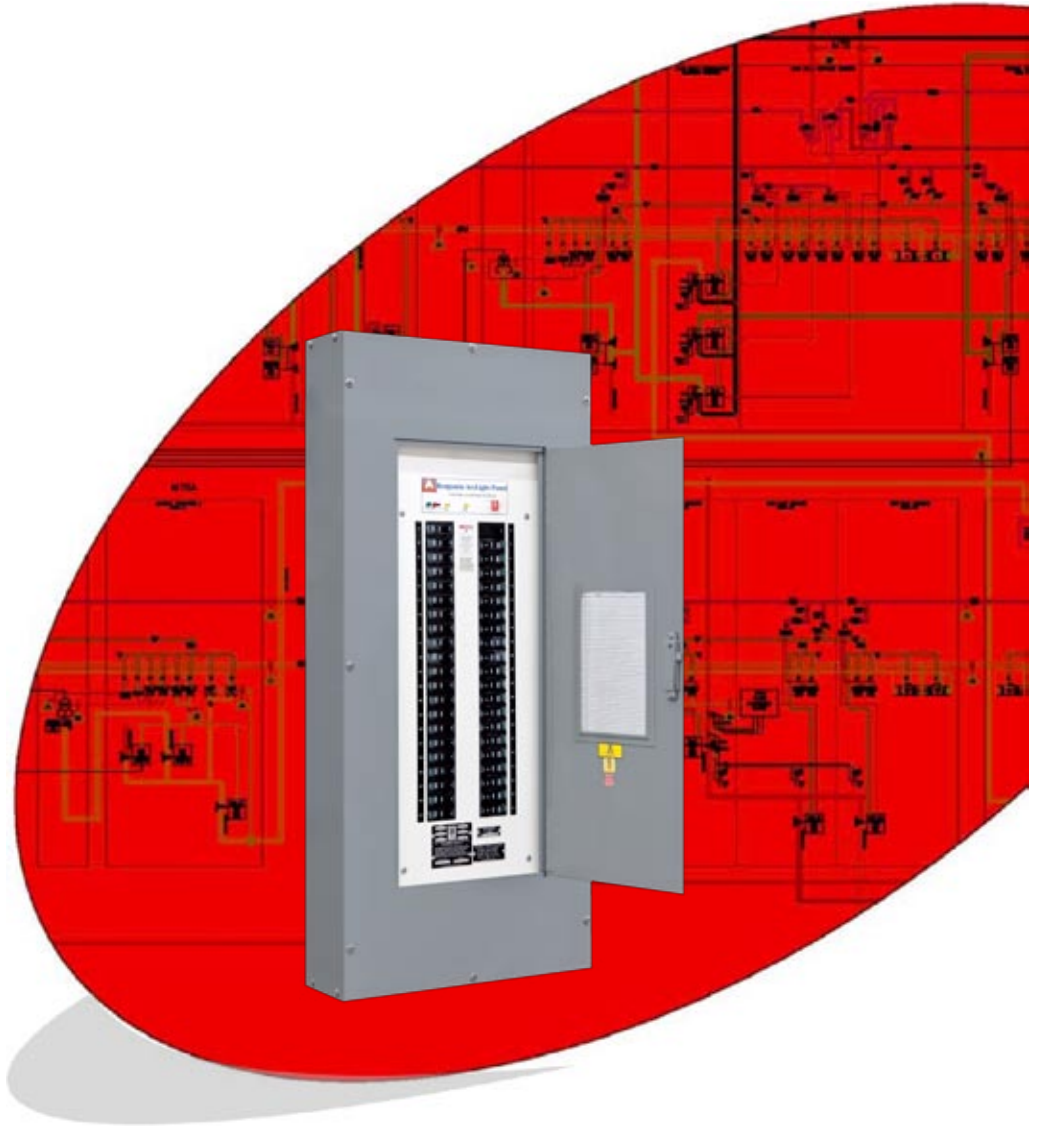


# BENJAMIN ArcLight Panel™

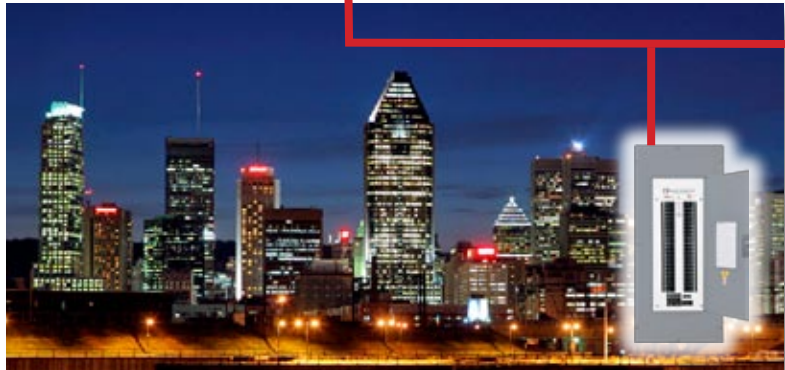
Controllable Circuit Breaker Panelboard

An *efficient addition* to your Lighting Controls and Energy Management Systems



Since 1911

W. A. Benjamin Electric Company  
Manufacturers of Quality Electrical Power Distribution Equipment



## BENJAMIN ArcLight Panel™ Controllable Circuit Breaker Panel

### **Reduces Energy Costs**

The Benjamin ArcLight panel helps meet new government regulations for reduction of energy usage by providing the ability to easily control the times at which lighting usage occurs.

### **Comprehensive Communications**

Communicates to ALL Energy Management and Building Automaton Controllers. Uses Ethernet, Serial, and wireless communications protocols.

### **Reduce Installation Costs**

By combining the branch circuit breaker protection with a panel of Control Relays into one convenient package, the Benjamin ArcLight panel reduces wiring costs and saves on wall space.

### **Retrofits Made Easy**

The Benjamin ArcLight panel uses the same industry standard panelboard sizes allowing direct replacement of existing lighting panels.

### **Flexible Mounting Options**

- Surface or flush wall mount
- Raintight Enclosures
- Integration into Switchboards
- Retrofit to existing installations

### **Suitable for a Variety of Applications**

- Energy Management Systems
- Building Automation
- Daylight Harvesting
- Lighting Control Systems

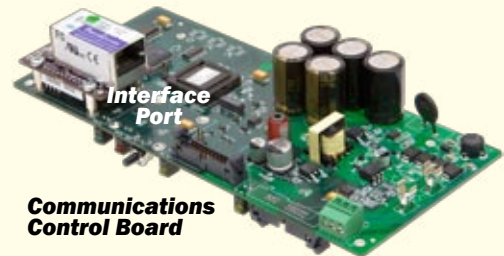


## BENJAMIN ArcLight Panel™ Features

**Quality** - Because W.A. Benjamin Electric Co. manufactures each panelboard to the clients requirements, we are able to offer extensive flexibility in our designs to meet the clients needs. Retrofits into existing enclosures, upgrades, double MLO, sub-main breakers, etc. The possibilities are endless!

**Power Supply** - The power supply has been designed to accommodate a panel full of controlled circuit breakers

**Flexible Communications** - The flexibility of the Benjamin ArcLight Panel is in its' communications controller. It has the capability to communicate, using ALL of the industry-standard serial, Ethernet and wireless protocols. This allows interface to ALL hardware and software Lighting Control and Building Management Systems available on the market.



**Communications Control Board**

**Efficient Modularity** - The Breaker Interface Modules (BIM's) use circuit boards in a three breaker modular configuration. This allows the user to purchase only the number of controlled circuit breakers needed. As demand rises, the BIM's are field-upgradable to increase the number of controlled circuit breakers.

### Expansion Connector



**Circuit Board**

**Controllable Circuit Breakers**

**Custom Configurations** - The panelboard can be configured with the desired blend of branch circuit overcurrent protection circuit breakers AND controllable branch circuit overcurrent protection circuit breakers. Eaton's Cutler-Hammer innovative solenoid operated remote controlled circuit breakers combine the protective features of the conventional circuit breaker with the switching functions of the contactor. Series ratings up to 100,000 rms amperes, which are designed to handle the demands of today's high short circuit current requirements. They have demonstrated performance of 200,000 operations and have exceeded UL requirements. UL rated for HACR, HID and SWD loads. Single and 2-pole versions are available in ratings up to 30 amperes.

# BENJAMIN ArcLight Panel™

## Specifications

<b>Voltage Ratings</b>	120V 1Ø2W	120/240V 1Ø3W	208Y/120V 3Ø4W	480Y/277V 3Ø4W
------------------------	-----------	---------------	----------------	----------------

<b>AIC Ratings</b>	65kAIC@240V Fully Rated to 100kAIC Series Rated
	14kAIC@480Y/277V Fully Rated to 65kAIC Series Rated

<b>Mains</b>	100amp Main Lugs Only	225amp Main Lugs Only	400amp Main Lugs Only	600amp Main Lugs Only
	100amp Main Breaker	225amp Main Breaker	400amp Main Breaker	600amp Main Breaker

<b>6 to 42 Branch Circuit Breakers</b>	<b>1 Pole</b>	15 Amp Controlled	20 Amp Controlled	30 Amp Controlled	15 Amp
		20 Amp	30 Amp	40 Amp	50 Amp
		60 Amp	70 Amp	90 Amp	100 Amp
	<b>2 Pole</b>	15 Amp Controlled	20 Amp Controlled	30 Amp Controlled	15 Amp
		20 Amp	30 Amp	40 Amp	50 Amp
		60 Amp	70 Amp	90 Amp	100 Amp
	<b>3 Pole</b>	15 Amp	20 Amp	30 Amp	40 Amp
		50 Amp	60 Amp	70 Amp	90 Amp
		100 Amp			

<b>Communication Protocols</b>	Modbus/TCP	Modbus ASCII	Modbus/RTU	Modbus/IP
	WebServer	GE-SRTP	Siemens	SNMP
	BACnet	GE-EGD	DNP 3.0	LonWorks
	EtherNet/IP	Allen Bradley	YorkTalk	Metasys N2
	Zigbee	Omron		



W. A. Benjamin Electric Company  
Manufacturers of Quality Electrical Power Distribution Equipment