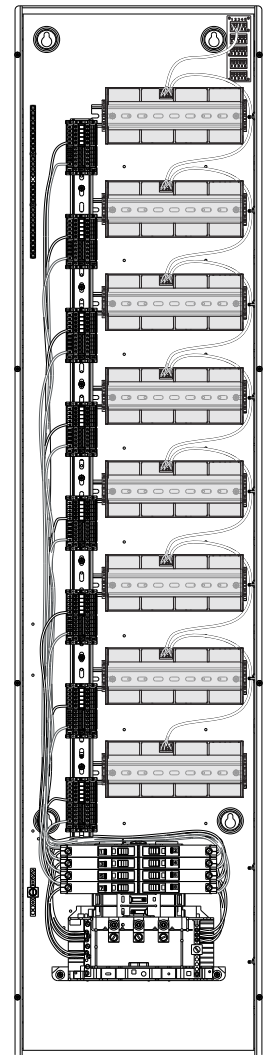


## 120 V~ DIN Breaker Panels

The Lutron DIN rail panels with integrated arc-fault circuit breakers are designed to accept Lutron DIN power modules (DPMs). The compatible DPMs can be configured in the panel to control multiple load types to fit the size, lighting plan, and design of a project. DIN panels with breakers reduce the number of wiring connections required when compared to a similar feed through panel. Panels may either be surface-mounted or recess-mounted in an electrical closet or other equipment room.

### Features

- Panels come ready to install up to 8 DIN power modules
- Panels can house these DPMs:
  - LQSE-2ECO-D                      – LQSE-4A1-D                      – LQSE-4A5-120-D
  - LQSE-4A-120-D                      – LQSE-4T5-120-D
  - LQSE-4S8-120-D                      – LQSE-4M-120-D
- Includes 8 AFCI breakers factory installed and wired to terminals for each module row. 15 A and 20 A versions are available
- Panels come with a QS wire landing board (QS-WLB) and QS link wiring harness for easy installation
- Panels include 4 empty breaker positions to power additional general branch circuits. Breakers are not included. Only use Square D, QO series stab-in breakers
- Extensively tested to ensure optimal thermal performance with maximum load in 32 °F to 104 °F (0 °C to 40 °C) ambient environment
- Rated for 120 V~ applications



PD8-65A-120L4-xx shown

# 120 V~ DIN Breaker Panels

## Specifications

<b>Model Numbers &amp; Power</b>	<p><b>Single phase 3-wire: 120/240 V~ 50/60 Hz 125 A Main input</b>  <b>PD8-65A-120L3-15</b> - single phase, 3-wire panel with 15 A branch circuit breakers  <b>PD8-65A-120L3-20</b> - single phase, 3-wire panel with 20 A branch circuit breakers</p> <p><b>Three phase 4-wire: 120/208 V~ 50/60 Hz 125 A Main input</b>  <b>PD8-65A-120L4-15</b> - Three phase, 4-wire panel with 15 A branch circuit breakers  <b>PD8-65A-120L4-20</b> - Three phase, 4-wire panel with 20 A branch circuit breakers</p>
<b>Capacity*</b>	Up to Eight DPMs and one QS-WLB
<b>Regulatory Approvals</b>	Complies with UL 508; Complies with NOM-003
<b>Environment</b>	Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0 to 90% humidity, non-condensing. Indoor use only.
<b>Cooling</b>	Passive cooling
<b>Line-Voltage Connections</b>	<p>Use copper wire only. Supply conductors should be rated 60 °C to 75 °C.  DIN rail mounted terminal blocks provide convenient connections for field wiring</p> <ul style="list-style-type: none"> <li>- Main feed terminals accept 6 AWG to 2/0 AWG (16 mm<sup>2</sup> to 70 mm<sup>2</sup>) wire</li> <li>- Load wiring terminal blocks accept one 14 AWG to 10 AWG (2.5 mm<sup>2</sup> to 4.0 mm<sup>2</sup>) wire</li> </ul>
<b>Breaker Ratings</b>	<p>Details for the 8 included breakers are as follows:  <b>Manufacturer:</b> Square D  <b>Models:</b> 15 A QO115CAFI, 20 A QO120CAFI  <b>Type:</b> Plug-in mount, combination Arc-fault  <b>Breaking Capacity:</b> 10 kA at 120 V~, 10 kA at 120/240 V~  <b>Dimming Capability:</b> Capable of up to 1920 W of dimming load without nuisance tripping.  Breaker rating &amp; local code may reduce the permissible loading.</p>
<b>Module Bypass</b>	All terminal blocks are shipped with a bypass jumper installed. After verifying each circuit is wired correctly and the modules are installed, remove the bypass jumpers from the H and DH terminals for system operation
<b>Ground Bar Terminals</b>	27-position ground bar. 1 ground lug accepts 6 AWG to 2/0 AWG (16 mm <sup>2</sup> to 70 mm <sup>2</sup> ) wire
<b>Dimensions</b>	<p><b>Panel:</b> 15.125 in x 64.5 in x 3.94 in (385 mm x 1638 mm x 100 mm)  <b>Cover:</b> 15.875 in x 65.0 in x 0.06 in (403 mm x 1651 mm x 1.5 mm)</p>
<b>Mounting</b>	<p>Install and wire in accordance with all local and national codes. Panel may be surface-mounted or recess-mounted. Panel fits between standard 16 in (407 mm) on-center stud framing. Panel must be mounted within +/- 7° of vertical. Mount the panel so that line-voltage wiring will be at least 6 ft (1.8 m) from audio or electronic equipment and wiring. Mounting hardware is not provided. Mount panel using one of the following methods:</p> <p><b>Surface-Mount:</b> Use keyholes with bolts sufficient for 110 lb (50 kg) load, 1/4 in (M6) bolts recommended.</p> <p><b>Recess-Mount:</b> Use hardware sufficient for 110 lb (50 kg) through the corners of the panel. Panel is 3.94 in (100 mm) deep past cover mounting tabs (including pedestal).</p> <p><b>NOTICE:</b> Breaker panels are required to be installed to provide sufficient access and working space according to the National Electric Code (NEC®). A typical installation may require 3 ft to 4 ft (0.914m to 1.22m) in front of the panel and 30 in (772 mm) width to provide sufficient space for panel access.</p> <p><b>NOTICE:</b> This equipment is air-cooled. Allow at least 12 in (305 mm) of air space at the top, bottom, and front of the cover or as required by local codes (whichever is greater).</p> <p><b>NOTICE:</b> Power supply will hum slightly and internal relays will click while in use. Mount in a location where such noise is acceptable.</p> <p><b>NOTICE:</b> Do not vertically stack panels.</p>
<b>Construction</b>	<p><b>Panel:</b> 16-gauge galvanized sheet metal (unpainted)  <b>Cover:</b> Coated metal cover (black) with ventilation holes. Cover is attached using phillips-head screws (included)</p>
<b>Warranty</b>	<a href="http://www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf">www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf</a>

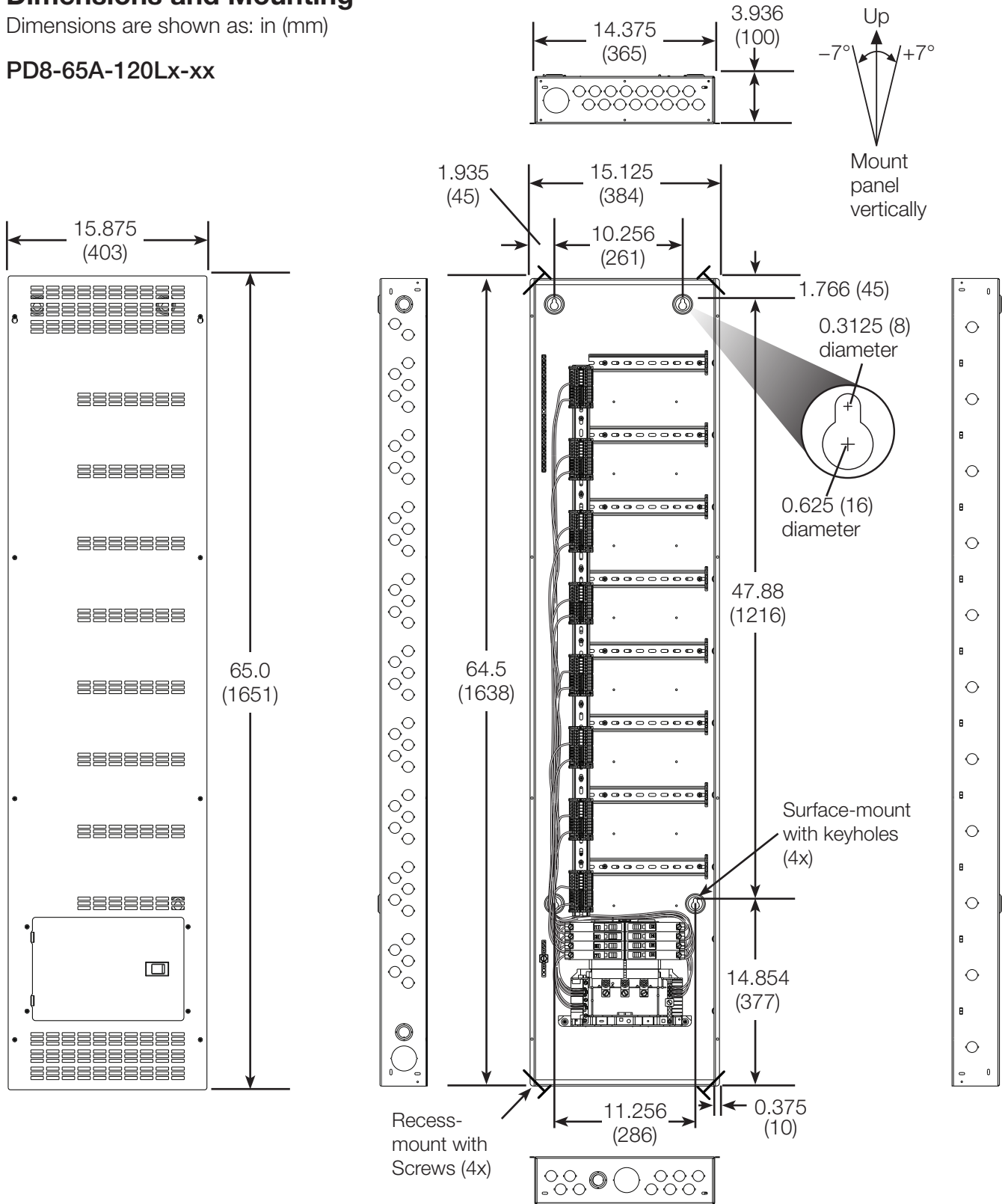
\* Use of non-Lutron equipment in the panel voids the warranty.

# 120 V~ DIN Breaker Panels

## Dimensions and Mounting

Dimensions are shown as: in (mm)

PD8-65A-120Lx-xx



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