



DESCRIPTIVE BULLETIN

Experience XTreme performance with ReliaGear® lighting panelboards



In our ongoing commitment to offer superior value at every touch point — from quote to ordering to installation to maintenance — we have combined the best technology of ABB and GE Industrial Solutions to bring to our customers a true breakthrough in lighting panels.

— Contact your local ABB representative for more information.

By integrating Formula A2 & Tmax XT as mains and sub-feeds in the RQ, RL, RE, RS, and Pro-Stock, ABB delivers a new generation of lighting panels with increased breaker density and advanced features.

Today's projects demand the simplicity, versatility, design flexibility, and quick delivery that only the ReliaGear lighting panelboard can provide.

Ideal for any application

ReliaGear lighting panelboard is ideal for applications where speed and performance matter, such as:

- Commercial and high-rise buildings
- Large industrial complexes
- Educational and institutional facilities
- Health care facilities
- Infrastructure projects
- Data centers
- Food and beverage facilities
- And more

Combining ABB and GE Industrial Solutions expertise, we help secure more business and maximize profits for our channel partners:

Consultants and end users

State-of-the-art technology backed by a long history of success and innovation. Sharing the best of both, ABB and GE Industrial Solutions boast a global presence with local service for a fast response to calls for support.

Contractors

The modular and versatile design helps speed installation and reduces labor costs.

Distributors

Same day availability and exceptional lead times offering a more competitive advantage to projects where time is critical.

OEMs and panel builders

Ease of installation, availability, commonality, functionality and XTreme performance make the ReliaGear lighting panelboard the perfect choice.

Benefits



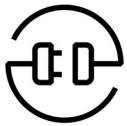
Easy to install

ReliaGear lighting panelboard is extremely easy to install. The extruded split neutrals simplify wiring and helps speed installation. NEMA enclosures offer ample gutter space for terminating wires and cables per NEC code. Moreover, only four mounting screws are required to mount the interior.



Design flexibility

ReliaGear lighting panelboard features a flexible design. Choose from thousands of configurations and add optional embedded surge protection devices, main metering or branch circuit metering to create lighting panelboards that adapt to each customer's specific needs.



Greater versatility

ReliaGear lighting panelboard now offers increased amperages and sub-feed circuit counts to feed more downstream loads. Combined with advanced electronic trip units in compact frames, this ensures continuity of service and equipment protection at all times.



Automated logistics

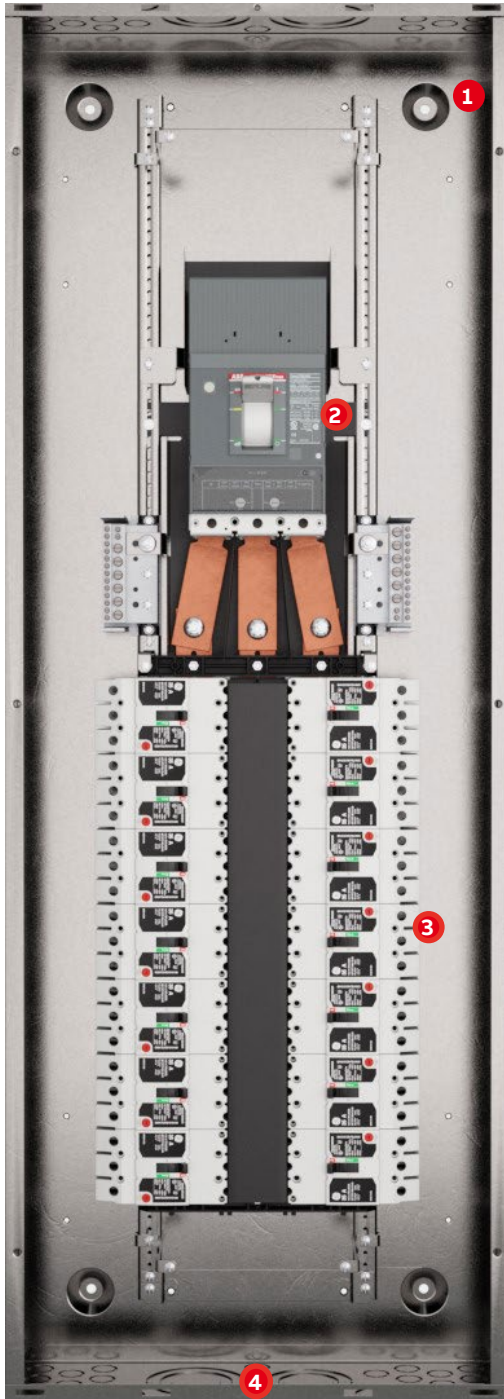
Our world-class automated empower tool facilitates product ordering helping users save time and money. empower enables product configuration, drawings submittal, detailed quotes, and order entry at any time. In addition, empower's PanelScan solution helps enhance productivity through the automated takeoff of panelboard schedules.



Key features

ReliaGear RS Lighting Panel (as shown)

1. Incoming cable gutter space
2. Main Breaker:
Tmax XT5
Tmax XT trip unit:
Thermal-Mag
Adjustable (TMA)
3. TEYL Branch Breakers
4. End walls with knockouts available as an option in NEMA 1 enclosures



ReliaGear lighting panelboards are factory assembled on rigid steel frames and equipped with circuit breakers from 15 A to 800 A. The maximum fully rated short circuit rating is equal to 65 kAIC at 240 V AC and 480/277 V AC.

ReliaGear lighting panelboard is available with multiple options in the RQ, RL, RE, RS, and Pro-Stock.

Voltages

ReliaGear lighting panelboards can be used on the following system voltages:

- 120/240 V AC; 1-phase, 3-wire
- 240 V AC; 3-phase, 3-wire
- 240/120V AC; 3-phase, 4 wire (B phase hi leg)
- 480 V AC; 3-phase, 3-wire
- 208Y/120 V AC; 3-phase, 4-wire
- 480Y/277 V AC; 3-phase, 4-wire

Options

Feed location: Top or bottom

Incoming type: Main lug only (MLO), main circuit breaker (MCB, either vertically or horizontally mounted) and with feed-through lugs or sub-feed breakers.

Busbar ratings: 125 A, 225 A, 250 A, 400 A, 600 A, 800 A

Busbar type: Bar, silver-plated or tin-plated copper, tin-plated aluminum, heat-rated or density-rated (fully)

All ReliaGear lighting panelboards have double-branch mounted breakers with a selection of single mounted sub-feeds. The standard width is 20 inches with advanced features driving up to 30 inches.

Available environmental enclosure types:

- NEMA 1
- NEMA 3R
- NEMA 4/4X
- NEMA 12

Absolute attention to detail, with style – from design to manufacturing, ReliaGear incorporates Formula A2 and Tmax XT revealing the next generation of lighting panels.

Molded case circuit breakers

Over a century of research and experience means top-level products that are ready to face future challenges. ReliaGear now incorporates Formula A2 and Tmax XT revealing the next generation of lighting panels. With superior quality and advanced features such as higher interrupt ratings (up to 200kA), Ekip Dip, and thermal

magnetic trip units, Formula A2, and Tmax XT breakers support low tier to high tier customers.

Contact your ABB local representative for more information.



Technical data	Formula A2	XT1	XT4	XT5	XT6
Frame Size	225A	125A	250A	400-600A	800A
Poles	2, 3	3*	3*	3*	3*
Amperage	125-225A	15-125A	25-250A	250-600A	600-800A
Max Rated Voltage	240V	480V	600V	600V	600V
Trip Units	Thermal fixed	Thermal fixed	Thermal fixed Ekip Dip	Thermal adjustable Ekip Dip	Thermal adjustable

Formula A2 replaces TQD & THQD | XT1 or XT4 replaces SE | XT4 replaces SF | XT5 replaces SG | XT6 replaces SK
THQB, THQL, TEY, and TEY (D, F, H, L) circuit breakers will continue to remain in the lighting panel portfolio.

*3 poles can be used as 2 poles

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