

Electrical Services

Professional Commercial & Residential Electrical Solutions

Flare Communications

1191 Wicklow Rd, Ballwin, MO 63021

Phone: (636) 391-7530

Website: flarecomm.com

Licensed Electrical Contractor

St. Louis City & County License Holder: Steven Melkowski

Missouri State Licensed

About Flare Communications

Since 2000, Flare Communications has provided professional electrical services to commercial and residential clients throughout St. Louis, Metro East Illinois, and Central Illinois. Our licensed electricians combine technical expertise with quality workmanship to deliver safe, code-compliant electrical installations.

Our Electrical Services

Commercial Electrical

We provide complete electrical services for commercial properties including offices, retail stores, restaurants, warehouses, and industrial facilities. Our commercial services include new construction electrical, tenant improvements, electrical upgrades, lighting retrofits, and emergency repairs.

Commercial Services:

- New construction electrical installation
- Tenant improvement and build-out
- Electrical service upgrades (100A to 2000A+)
- Three-phase power installation
- Panel upgrades and replacements
- Emergency and exit lighting
- Parking lot and exterior lighting
- Generator installation and transfer switches
- EV charging station installation

Residential Electrical

From simple repairs to whole-house rewiring, we handle all residential electrical needs. Our residential electricians provide professional service with respect for your home and clear communication throughout every project.

Residential Services:

- Service panel upgrades (100A, 200A, 400A)
- Whole-house rewiring
- Room additions and remodeling
- Lighting installation and upgrades
- Ceiling fan installation
- Outlet and switch installation/repair
- GFCI and AFCI protection upgrades
- Home automation and smart home wiring
- EV charging station installation

Lighting Design & Installation

Proper lighting improves safety, productivity, and ambiance. We design and install energy-efficient LED lighting systems for commercial and residential applications. Our

lighting services include photometric analysis, fixture selection, dimming controls, and occupancy sensors.

Electrical Troubleshooting & Repair

Electrical problems require prompt attention from qualified electricians. We diagnose and repair circuit breaker trips, flickering lights, outlets that don't work, burning smells, and other electrical issues. Our electricians carry diagnostic equipment and common parts for efficient repairs.

Electrical Safety Inspections

Regular electrical inspections identify potential hazards before they cause fires or injuries. We inspect panels, wiring, grounding systems, GFCI protection, and overall electrical safety. Our inspection reports detail any deficiencies with recommendations for corrections.

Code Compliance & Permits

All electrical work must meet National Electrical Code (NEC) and local requirements. We obtain necessary permits, perform work to code, and coordinate inspections with local authorities. Our work passes inspection the first time.

Service Pricing Guide

Residential Electrical Services

Service	Price Range
Service panel upgrade (200A)	2,500–4,000
Outlet installation (per outlet)	125–200
Light fixture installation	150–300
Ceiling fan installation	200–350
GFCI outlet installation	150–225
Circuit breaker replacement	150–300
Whole-house surge protector	400–600
EV charging station (Level 2)	800–1,500
Electrical troubleshooting	\$125/hour

Commercial Electrical Services

Service	Price Range
Electrical service upgrade (400A)	8,000–15,000
Electrical panel installation (200A)	2,000–3,500
LED lighting retrofit (per fixture)	150–400
Emergency lighting system	2,000–8,000
Generator installation (20kW)	6,000–12,000
Three-phase power installation	3,000–10,000
Parking lot lighting (per pole)	1,500–3,500
Commercial EV charging station	2,500–5,000

Labor Rates

Service Type	Rate
Standard service call	\$125/hour (1-hour minimum)
Emergency service (after hours)	\$175/hour (2-hour minimum)
Commercial project work	95–125/hour
Electrical design & consultation	\$150/hour

Note: Prices are estimates. Actual costs depend on project scope, materials, and site conditions. Contact us for a detailed quote.

Case Studies

Case Study 1: Restaurant Electrical Build-Out

Client: New restaurant, Chesterfield, MO

Challenge: Complete electrical installation for 4,500 sq ft restaurant space

Solution:

- Installed 400A electrical service with metering
- Designed and installed kitchen equipment circuits (208V three-phase)
- Installed dining room lighting with dimming controls
- Provided separate circuits for POS systems and networking
- Installed emergency lighting and exit signs
- Coordinated with fire alarm and HVAC contractors

Results:

- Complete electrical system supporting all restaurant operations
- Energy-efficient LED lighting reduces operating costs
- Adequate power for current and future kitchen equipment
- Passed electrical inspection on first attempt

- Project completed on schedule for restaurant opening

Investment: \$45,000 (materials and labor)

Case Study 2: Office Building Panel Upgrade

Client: Two-story office building, Clayton, MO

Challenge: Overloaded electrical panels causing frequent breaker trips

Solution:

- Upgraded main electrical service from 200A to 400A
- Installed two new 200A sub-panels for better load distribution
- Rewired critical circuits to separate panels
- Added dedicated circuits for server room equipment
- Installed whole-building surge protection
- Labeled all circuits with clear identification

Results:

- Eliminated circuit overloads and breaker trips
- Provided capacity for future equipment additions
- Protected sensitive IT equipment from power surges
- Improved electrical safety with proper circuit separation
- Reduced downtime from electrical issues

Investment: \$18,500 (materials and labor)

Case Study 3: Residential Service Upgrade & EV Charger

Client: Single-family home, Ballwin, MO

Challenge: 100A service insufficient for EV charger and home additions

Solution:

- Upgraded electrical service from 100A to 200A

- Installed new main panel with modern circuit breakers
- Added AFCI and GFCI protection to meet current code
- Installed dedicated 50A circuit for Level 2 EV charger
- Mounted EV charging station in garage
- Provided capacity for future home improvements

Results:

- Adequate electrical capacity for EV charging and home needs
- Modern electrical panel with room for expansion
- Enhanced safety with AFCI/GFCI protection
- EV charges overnight at maximum speed (40A)
- Increased home value with electrical upgrade

Investment: \$6,800 (materials and labor)

Electrical Safety

Electrical hazards cause thousands of fires and injuries annually. Common electrical safety issues include:

Overloaded Circuits: Too many devices on one circuit can overheat wiring and cause fires.

Outdated Wiring: Homes built before 1970 may have aluminum wiring or insufficient grounding.

Missing GFCI Protection: Bathrooms, kitchens, and outdoor outlets require GFCI protection to prevent shock.

Lack of AFCI Protection: Arc-fault circuit interrupters prevent fires from damaged wiring.

Improper DIY Work: Electrical work by unqualified persons often creates dangerous conditions.

Our electrical safety inspections identify these hazards and provide clear recommendations for corrections.

Why Choose Flare Communications?

Licensed & Insured: Steven Melkowski holds electrical contractor licenses for St. Louis City, St. Louis County, and the State of Missouri. Our work is fully insured for your protection.

Code Compliance: All work meets National Electrical Code and local requirements. We obtain permits and coordinate inspections.

Quality Workmanship: Our electricians take pride in professional installations that look good and function reliably.

Clear Communication: We explain what needs to be done, why it's necessary, and how much it will cost before starting work.

Reliable Service: Local presence means fast response times and accountability.

Fair Pricing: Transparent quotes with no hidden fees or surprise charges.

Service Areas

St. Louis Metro: Ballwin, Chesterfield, Clayton, Creve Coeur, Des Peres, Kirkwood, Ladue, Manchester, Maryland Heights, Olivette, Richmond Heights, St. Louis City, Town and Country, University City, Webster Groves, Wildwood

Metro East Illinois: Belleville, Collinsville, Edwardsville, O' Fallon, Fairview Heights, Swansea, Glen Carbon, Granite City, Alton, Godfrey, Wood River, Highland, Troy, Maryville, Caseyville, Shiloh

Central Illinois: Springfield, Decatur, Champaign, Urbana, Bloomington, Normal, Peoria, Quincy

Common Electrical Questions

Q: Do I need a permit for electrical work?

A: Most electrical work requires permits. We obtain all necessary permits and coordinate inspections with local authorities.

Q: How long does a service panel upgrade take?

A: Residential panel upgrades typically take 1-2 days. Commercial upgrades vary based on size and complexity.

Q: Can you work around my business hours?

A: Yes, we schedule commercial work to minimize disruption to your operations, including evening and weekend work when needed.

Q: Do you offer emergency electrical service?

A: Yes, we provide 24/7 emergency electrical service for urgent issues like power outages, burning smells, or sparking outlets.

Q: How do I know if my electrical panel needs upgrading?

A: Signs include frequent breaker trips, flickering lights, burning smells, or insufficient capacity for new appliances or EV chargers.

Get Started Today

Schedule a Free Electrical Consultation

Contact Flare Communications to discuss your electrical needs. We'll evaluate your situation, explain your options, and provide a detailed written quote.

Phone: (636) 391-7530

Email: info@flarecomm.com

Website: flarecomm.com

Business Hours:

Monday - Friday: 8:00 AM - 5:00 PM

24/7 Emergency Service Available

Professional Network Infrastructure, Electrical Services & Fire Alarm Systems since 2000

Licensed Electrical Contractor - St. Louis City & County, State of Missouri