

Innovating Learning Spaces

Institutional New Construction & Upgrades

GESCAN
A Sonepar Company



Selectable LED Lighting



Scalable Touchless Control



Efficient Power Distribution Solutions



EV Charging



Network Solutions



legrand **SIEMENS** **flo** **PANDUIT**



Partnering with Gescan

2022 Learning Spaces

With decades of industry experience, our specialists work closely with contractors, facility managers, architects, engineers and developers to offer budgeting, product selection, supply, and design expertise from start to finish for your commercial projects.



Power Distribution Experts

Diagnose problems, optimize performance and extend the lifespan of existing equipment with expertise and services from our team of distribution experts.



Institutional Solutions

From wraps and flat panels to floods and high bays, we stock the latest in commercial LED Lighting and Control technology along with EV Charging, Distribution and Information Communications Technology products from industry-leading manufacturers.



Lighting & Controls Support

Get expert assistance on our innovative selection of indoor and outdoor CCT, lumen selectable, and voltage sensing LED fixtures and smart commercial control systems.



Adopting modern, connected technologies and growing digital demand is driving institution upgrades to address increasing energy consumption and user needs.

Revisiting Outdated Technologies

Institution Maintenance & Modernization

Schools actively work to minimize energy use and save significant financial resources. By effectively managing energy, schools can reduce these costs by approximately 20%* and extend the useful life of their buildings. Although energy-efficient upgrades and repairs require an initial investment, the cost of not making necessary changes can be even greater. Power distribution, lighting, control and network systems upgrades not only optimize energy use so that costs are kept low but also enhance comfort and service to meet modern demands.

The heartbeat of an institution, maintenance of electrical distribution systems is critical for reliable operations and improved safety. A typical electrical equipment breakdown can cost a school district more than \$30,000. While the industry life expectancy for commercial-grade electrical systems is generally 20 to 30 years**, facilities aging systems should be evaluated every 10 years to realign with changing operation's needs.

In addition, today's smart programmable lighting fixtures and controls using motion sensors, intelligence, networking capabilities and longer-lasting LED bulbs are also helping to reduce energy use while creating more functional, focused and productive learning environments. Schools implementing LED lighting retrofits can not only cut energy costs from lighting by half but also reduced maintenance costs as a result of extended product lifespans.

*Major Energy Retrofit Guidelines for Commercial and Institutional Buildings, Natural Resources Canada, 2017.

**Assessing Replacement of Electrical Systems, Theodore Folwer, PE, PENG, PEED AP, CannonDesign, csemag.com, 2016.

LED Lighting

Shown to virtually eliminate migraines, eye strain and fatigue associated with flickering fluorescent lights that so many schools have, institutions are increasingly looking to replace traditional lighting with energy-efficient LEDs throughout their campuses to create improved learning environments. Adopting cleaner, more energy-efficient lighting would also help reduce energy use and improve energy management. Reducing energy costs with a lighting retrofit could make a big difference in a school's budget. Our wide selection of CCT, lumen selectable, and voltage sensing lighting fixtures make transitioning to LEDs for schools faster, easier and more affordable.



Learn More

Center Basket

Our centre basket fixtures are an ideal choice for any general illumination application. Providing smooth, even, light with colour and lumen selectable capabilities allowing users to choose from a variety of lumen outputs and colour temperatures, these LED centre baskets are perfect for a multitude of uses in schools and other institutional settings. Also offering higher efficiency and longer life over fluorescent fixtures, these centre baskets deliver substantial energy and maintenance savings.



Builder 5-Packs
Available



Long-life LED's, coupled with high-efficiency drivers provide superior quality of light and extended service life. With three Adjustable Lumen Outputs (ALO) and three Switchable Color Temperatures (SWW) both conveniently located on the driver box, STACK Switch makes planning your next project so much simpler. The wide center basked and curved matte reflector delivers high-quality light while maintaining optimal performance.

**2x4' STACK LED Center
Basket Troffer, 30L/40L/50L,
35K/40K/50K, 120V**



YK1STAKS2X4ALO6SWW7



A combination of stylish design and shallow profile, coupled with innovative LED technology to deliver soft, glare-free illumination, resulting in improved visual comfort and uniform appearance. The enhancement of the volumetric effect provides increased brightness, with an aesthetically pleasing appearance and contemporary design. Energy-saving features and optical performance create the ideal choice for educational spaces.

**2x4' Center Basket
LED Troffer, 35K/40K/50K,
30L/40L/50L, 120V**



ELT24OEVHPLEDSELECTCCT

Wraparound Fixtures

Compatible with new construction or renovation, wrap lights make projects simple.



LED Wrap Applications

Lighting is one of the most important factors to consider when creating functional, focused and productive environments for students and teachers. LED wrap light applications include every nook and cranny of a school, from the classrooms to the hallways to the teachers' lounge.

Our CCT and lumen selectable wraps make it easier to adjust colour, intensity, and distribution of lights to enhance learning spaces, while dimmable fixtures allow places like libraries to be both a relaxing and highly concentrated learning environment. And with the evolution of smart lighting solutions, even schools are beginning to make the shift to better accommodate their large campus and high-energy consumption. LED fixtures featuring motion control sensors help schools cut back significantly on their energy usage by dimming or shutting off lights automatically when and where it is no longer needed.

With LED lighting, schools save on maintenance, replacements, energy costs and more. Our energy-saving, low maintenance and highly versatile selectable wraps are not only simple replacements for existing lamp fixtures, they also help schools reduce budgetary costs so they can redirect resources where they matter most, to teaching the kids.

Wraps



4" 120-277V Low Profile LED Wraparound, 4000K, Dimmable

CCT and lumen selectable, this wrap provides efficient, economical ambient lighting for surface-mount applications in places like stairwells and hallways. Featuring a contemporary low-profile design, it's a great alternative to traditional 2-lamp T8 fixtures. Link end-to-end for demanding applications.



YKLFMLWL48840ZTMVOLT



Great for stairwells
or storage rooms



4" 120-277V Wide Body LED Wraparound, 40L/50L/60L, 4000K, Dimmable

Ideal for retrofits, the wide-body helps cover up the area where a fixture is being replaced. A lumen switching option allows adjustment from 4000 to 5000 to 6000 lumens to easily match surrounding lights. Ideal for replacing traditional 2, 3 or 4-lamp T8 or T12 wraps.



YKLFML4W48ALO6SEF840MV



Lumen
selectable

Day-Brite
CFI
by @ignify



1X4' SBP LED Flat Panel,
120V- 347V, 3500K/
4000K/ 5000K, 4400L



CFI1SBP3040L8CS4UN3DIM

Day-Brite
CFI
by @ignify



2X2' SBP LED Flat Panel,
120V- 347V, 3500K/
4000K/5000K, 4400L



CFI2SBP3040L8CS2UN3DIM

Day-Brite
CFI
by @ignify



2X4' SBP LED Flat Panel,
120V, 35000K/ 4000K/
5000K, 5500L



CFI2SBP3550L8CS4UNVDIM

Day-Brite
CFI
by @ignify



1X4 Surface Mount
Field Assembly Kit



CFICFFSF14PANEL

LITHONIA
LIGHTING



1X4 Surface
Mount Troffer Kit



YKL1X4SMKSH

2X2 Surface Mount
Field Assembly Kit



CFICFFSF22PANEL

2X4 Surface Mount
Field Assembly Kit



CFICFFSF24PANEL

2X2 Surface
Mount Troffer Kit



YKL2X2SMKSH

2X4 Surface
Mount Troffer Kit



YKL2X4SMKSH

LITHONIA
LIGHTING



1X4 Drywall
Grid Adapter



YKLDGA14

LITHONIA
LIGHTING



1X4 CPX LED Flat Panel,
3500K/4000K/5000K



YKLCPX1X4ALO7SWW7M4

2X2 Drywall
Grid Adapter



YKLDGA22

2X4 Drywall
Grid Adapter



YKLDGA24

2X2 CPX LED Flat Panel,
3500K/4000K/5000K



YKLCPX2X2ALO7SWW7M4

2X4 CPX LED Flat Panel,
3500K/4000K/5000K



YKLCPX2X4ALO8SWW7M2



4' SDS LED Linear Strip,
3CCT, 4800L, 120V - 347V,
Dimmable



CFISDS42448L8CSTUN3DIM

8' SDS LED Linear Strip,
3CCT, 9800L, 120V - 347V,
Dimmable



CFISDS84998L8CSTUN3DIM



Strips



120V 4' LED Dimmable Strip,
3000L/4000L/5000L,
3500K/4000K/5000K



YKLCSSL48ALO3MVSWW3



120V 8' LED Dimmable
Strip, 6000L/8000L/10000L,
3500K/4000K/5000K



YKLCSSL96ALO4MVOLTSWW3



Tri-Level LED Strip with Lens,
4585L, 4000K, 120-347V



STNL2TLV48LSIQ40K



Also Available
in 5000K



120V 14" X 11.5" CPHB
Compact Pro™ High Bay,
15000L 4000K



YKLCPHB15LMMVOLT40K



Also Available
in 5000K



120V 22.5" X 11.5" CPHB
Compact Pro™ High Bay,
24000L 4000K



YKLCPHB24LMMVOLT40K



HCY LED Sealed High Bay,
14000L, 4000K/ 5000K,
120-347V, 0-10V Dimming



CFIHCY14L8CSTUN3DIM



HCY LED Sealed High Bay,
21000L, 4000K/ 5000K,
120-347V, 0-10V Dimming



CFIHCY21L8CSTUN3DIM

HCY LED Sealed High Bay,
28000L, 4000K/ 5000K,
120-347V, 0-10V Dimming



CFIHCY28L8CSTUN3DIM

Highbays

PHILIPS

T8 14W 3500K
Medium Base



PHI14T8PROLED483500IFG

T8 14W 4000K
Medium Base,
Non-Dimmable



PHI14T8PROLED484000IFG

T8 14W 5000K
Medium Base



PHI14T8PROLED485000IFG

PHILIPS

T8 Ballast Bypass
Instantfit TLED, 3500K



PHI145T8BCP48835MF17G

T8 Ballast Bypass
Instantfit TLED, 4000K



PHI145T8BCP48840MF17G

T8 Ballast Bypass
Instantfit TLED, 5000K



PHI145T8BCP48850MF17G

STANPRO

Also Available
in 3000K



11" 15W LED Ceiling
Mount Luminaires,
Round, 4000K



IWACLWH11R20WA40K

STANPRO



7" 12W LED
EDGE LIT Motion
Sensor, 3000K



STN68466

STANPRO

5" Cirka Round LED Ceiling
Mount Luminaire, 360L,
3 CCT, Dimmable



STNCRK5R6WA3CWH

9" Cirka Round LED Ceiling
Mount Luminaire, 1260L,
3 CCT, Dimmable



STNCRK9R18WA3CWH

7" Cirka Round LED Ceiling
Mount Luminaire, 840L,
3 CCT, Dimmable



STNCRK7R12WA3CWH

12" Cirka Round LED Ceiling
Mount Luminaire, 1920L,
3 CCT, Dimmable



STNCRK12R24WA3CWH

3 CCT Selectable
Slim & Lightweight



LEDriver EXPRESS

Worried about matching the light output of the previous fixture? Don't be.

The replacement driver will maintain the same light output as the previous version. This is a cost-effective alternative to replacing the entire fixture.



Recessed Retrofit Trim

With a simple, aesthetically pleasing LED retrofit solution, schools can enjoy the benefits of LED lighting without the challenge and expense of overhauling existing systems. Recessed retrofit trims enable schools to do LED retrofits by covering the gap around fixtures left when larger fixtures were removed.

LIGHTOLIER
by @lightify

6" Commercial
Retrofit Downlight
DualSelect, 700-1500L,
0-10V Dimming



LCLCR6RLMCCT



8" Commercial
Retrofit Downlight
DualSelect, 1000-2000L,
0-10V Dimming



LCLCR8RLMCCT

STANPRO

6" Commercial LED
Downlight, 900-2000L,
30K/35K/40K,
120-347V, Chrome



STNCUD6RPS4Q3CWHAZ



8" Commercial LED
Downlight, 1850-3000L,
30K/35K/40K,
120-347V, Chrome



STNCUD8RPS4Q3CWHAZ

**LITHONIA
LIGHTING**

New Product
Launch



4' CSV T LED Vapour Tight,
3000/4000/5000L,
3 CCT, 120-277V



YKLCSVTL48ALO3MVOLTSWW3

8' CSV T LED Vapour Tight,
6000/8000/10000L,
3 CCT, 120V-277V



YKLCSVTL96ALO4MVOLTSWW3

With the ability to switch lumens and adjust colour temperature in one fixture, the CSV T offers 9 different variations within the same SKU making it easily adaptable to the needs of any project. Prevent accidental slips in high moisture areas like locker rooms with consistent light quality using CSV T Vapor Tight Linear LEDs. Compared to fluorescent lights, these LEDs reduce energy costs and provide superior light coverage.

Recessed Retrofit Trims

Vapour Tight

Providing
emergency
lighting in areas
accessible
after dark



STANPRO

120/347VAC LED
Plastic Running Man
Sign, Universal DC
Backup Voltage



STNRMPNOWHDC



120/347VAC LED
Plastic Running Man
Sign, Self-Powered



STNRMPNOWHIB

STANPRO



120/347VAC LED
Plastic Combo
Running Man Sign



STNPRMPN2

STANPRO



6VDC 36W Double-Head
LED Running Man
Combo EM Pack



STNPRMS2L

STANPRO



PAR18 Double Head
LED Mini Remote



STNN20612V3WLJ

STANPRO



2-Head LED "Easy Out" Plastic
Compact Battery Unit



STNSLG2L

STANPRO



6VDC 36W Double-Head
LED EM Pack



STNSLA2L



Steel LED Running Man Pictogram Exit Sign, DC 120–347V



EMRCSSACE

Steel LED Running Man Pictogram Exit Sign, Self Powered, 120–347V



EMRCSSPE



Steel 2W LED Running Man Combo Pictogram Sign, 120–347V

High-efficiency 2 watt LED heads Universal single and double face Universal mount: wall, ceiling or side mount.



EMRCMSCE



Double Thermoplastic LED 2W Remote Heads

High-efficiency 2 watt LED double thermoplastic remote heads.
Compatible with CM-SB and CM-SC only.



EMRCMR2E



Benefits of an LED Canopy Lighting Retrofit

A 400w or 1000w HID fixture costs between \$220 and \$550 to operate per lamp yearly in electricity and performance can vary significantly; Light produced is initially white, but with accelerated lumen degradation, the lifetime decreases producing a pink illumination that barely provides light and resulting in high maintenance costs. Using between 40–600W, retrofitting canopy lighting to LEDs often equals energy savings of 40%–60%. Always delivering evenly displaced illumination, LEDs feature selectable CCT and wattage options for added performance and a lifespan often in excess of 100k hours to drastically reduce maintenance costs.

KEENE
by @ignify

CCT & Lumen
Selectable Voltage
Sensing



CCT and wattage selectable, this fixture is also equipped with an integrated Motion and Daylight Sensor. It is exactly what you need when searching for durable, cost-effective lighting for parking garages, covered walkways and outdoor canopies. Compact and efficient, it has durable, weather-tight construction and a rugged, UV-stabilized, frosted lens.

**Garage & Canopy DualSelect,
4250L/6000L/8350L,
30/40/50K, 120–347V**



KEEGC60SCTG2SM510BZ

**Garage & Canopy DualSelect,
10500L/11700L/12850L,
30/40/50K, 120–347V**



KEEGC90SCTG2SM510BZ

**LITHONIA
LIGHTING**



An energy-efficient solution for replacing a wide range of existing canopy luminaires, anything from CFL to 400W metal halide. Offering saving up to 85% in energy costs, this versatile canopy luminaire provides a great, cost-effective canopy lighting solution that is ideal for applications in education.

**CNY LED Canopy/Ceiling
Luminaire, 4500L, 4000K**



YKLCNYLEDPI40KMVOLTDDBM4

**CNY LED Canopy/Ceiling
Luminaire, 6500L, 4000K**



YKLCNYLEDPI240KMVOLTDDBM4

Wall Pack DualSelect
30-40-60W, 30-40-50K,
120-347V



KEEWP60SCTG210BZ



Wall Pack DualSelect
80-100W, 30-40-50K,
120-347V



KEEWP100SCTG210BZ

WPX1 LED Wall Pack,
4000K, Dark Bronze



YKLWPX1LEDP24KMVOLTDDBXD



WPX2 LED Wall Pack,
4000K, Dark Bronze



YKLWPX2LED4KMVOLTDDBXD

WPX3 LED Wall Pack,
4000K, Dark Bronze



YKLWPX3LED4KMVOLTDDBXD

Mounting
Accessories
Sold Separately

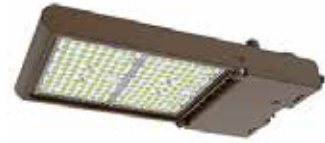


FLB Gen 4 LED Flood Light,
4 Power Select, 150W,
3CCT, 120V, Bronze



STNFLBMPS150MW3CBR

Mounting
Accessories
Sold Separately



FLB Gen 4 LED Flood Light,
4 Power Select, 300W,
3 CCT, 120V, Bronze



STNFLBXP300MW3CBR



FLB Gen 4 Yolk Mount
for 150W



STN68569

FLB Gen 4 Yolk Mount
for 300W



STN68570



FLB Gen 4
Slipfitter Mount



STN68571



FLB Gen 4
Pole Mount



STN68572



FLB Gen 4
Trunnion Mount



STN68573



Touchless Controls

The way institutions use and light their spaces is evolving. Demand for scalable touch-free solutions is no longer a luxury but a growing necessity. With changing code compliance and an increasing focus on health and safety, lighting control systems are being considered as the solution to many of the problems faced in schools today. A unique opportunity is growing for electrical experts who design, specify and manage lighting control systems to help educational facilities and their students return to the new normal as safely as possible.

Controls

From simple to more complex solutions, our institutional and commercial touch-free lighting control products can be used by themselves or as part of a bigger system. From switches and sensors, we're featuring products with cutting-edge technology to ensure you achieve the accuracy and reliability needed for the job.

Flexible Touchless Technology

Touchless, wireless connected lighting and control systems (including sensors and motion detectors) deliver automation and flexibility for functional spaces while making new and existing buildings more efficient, comfortable and productive. Coupled with advanced features such as energy monitoring, remote diagnostics and presence detection, this technology not only helps schools save energy but also offers a scalable solution that delivers consistency, reliability and precise lighting control to create optimal learning environments. It provides facility managers flexibility in tailoring systems to new layouts or health guidelines and can be installed at a lower cost and in less time than wired.



Electricians who take the time to learn and promote such technologies can cultivate increased sales and recurring revenue streams as more schools and businesses embrace its adoption. The most determined professionals are taking a proactive stance, learning these new systems while the technology is young and easily accessible.



Automatic Motion Detection

Using passive infrared technology, these sensors are best used in open areas where the direct line of sight can be easily determined – like classrooms and individual offices. And while the PIR technology may seem simple, don't be fooled. Not all PIR sensors are the same. These ones use cutting edge technology that make them more reliable and energy efficient. And with a lower frequency response, it delivers excellent small motion detection at a greater distance. Each sensor is also fine-tuned for optimum detection for its coverage pattern. And with more energy-saving time delay settings, you can be sure that there will be no false offs.

Other Features:

- Compatible with LEDs, electronic & magnetic ballasts, CFLs and incandescents
- Programmable with SensorSwitch VLP Mobile App or traditional push button
- Mis-wire Protection – interchangeable line and load wires prevent damage to device
- Self-grounding mounting strap
- Meets NEC 2017 Section 404.2C neutral requirements (no current leakage to ground when connected to neutral)
- Aids in IECC and ASHRAE code compliance



**WSX Series Single Relay
Wall Switch Occupancy Sensor
with up to 20ft range**



SENWSXWH



Bringing convenience and reliability to projects in Canada

Canadian facilities operating on 347-volt power have a reliable, touchless one-room solution: the WSX Family Wall Switch Sensors by Acuity. The WSX Family of Wall Switch Sensors accommodates wiring to either ground or a neutral connection, which means contractors can now stock one device regardless of neutral or non-neutral code requirements.

With auto, and manual on-and-off options, the 347-volt passive infrared wall switch is perfect for building codes that require a manual option.



347V WSX Series Passive Infrared Wall Switch Occupancy Sensor

- Up to 50% more energy efficient



SENWSX347WH



CMR 9 Series PIR Standard Range 360° Ceiling Mount Sensor

- Includes on and off options, wall plate, and adaptive daylight harvesting



SENCMR9



Sensors



PDT 9 Series

- No external power pack required.
- For classrooms, private offices, or large restrooms.



120/277V CMR PDT
9 Series Dual Technology
Standard Range 360°
Ceiling Mount Sensor



SENCMPDPT9



PDT 10 Series

- Combines overlapping
- Microphonics for detection around obstructions.
- Ideal for retrofitting classrooms with concrete ceilings



120/277V CMR PDT
10 Series Dual Technology
Extended Range 360°
Ceiling Mount Sensor



SENCMPDPT10



PDT 16 Series

- Includes Photocell and Wall Plate and adaptive Daylight Harvesting
- Standard Vandal lens and WV series



12-24 VAC/VDC WV PDT
16 Series Dual Technology
Wide View Sensor



SENWVPDPT16

A reported 33.3% of respondents in a IDCD study sponsored by Acuity stated that “difficulty understanding the ROI” and “too many solutions to choose from” were two of the top challenges to selecting a connected building solution. So here are two compelling reasons why you should choose Acuity’s Dual-Technology Sensors on your next project:



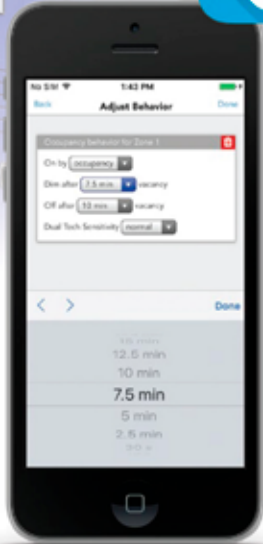
120/277VAC WSX Series
Dual Technology (PIR/
Microphonics) Wall Switch
Occupancy Sensor



SENWSXPDTWH

- 1 They’re more accurate with the least amount of false tripping which means higher energy savings.
- 2 They’re more reliable with less installer involvement, less frequency variations, and less interference. Dual technology sensors that use PIR and Microphonics technology provides effective, reliable, and accurate human detection in occupancy sensors.

This means your clients could save up to **70% more energy** in certain applications.



Wireless Lighting Controls with Unmatched Flexibility



Part of the nLight platform, nLight® AIR offers easy to configure, install and use wireless lighting control. It's perfect for applications from indoor to outdoor, new construction to renovation, and scales easily from simple to advanced.



Ensure your next project is grade-A with nLight A Simple, Scalable, Connected Lighting Solution for Schools

Lighting the way to more brilliant, productive and connected education spaces, nLight digitally-enabled luminaires, sensors and networked lighting controls work together to connect building occupants with a seamless, modern lighting experience while reducing energy costs, aiding in building code compliance and more.

Ideal for renovation and new construction projects, nLight can function as a one-room lighting control solution or be networked across an entire campus. nLight interfaces with occupancy sensors to dim lights when rooms are not in use and turn them on if visitors or staff are in the halls or corridors. Now and far into the future, nLight is a winning solution for facility managers, teachers and students.

Simple as 1, 2, 3

1. Install the nLight AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With our CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the intended outcome



rPODB 2P DX



Mobile Device

CLAIRITY Pro Mobile App Makes Configuring nLight AIR Lighting Controls Easy!



Vive Starter Wireless Hub



LUTHJSOFM

Saving Energy, Enhancing the Learning Environment

Schools are challenged to reduce energy costs, meet codes and enhance the flexibility and versatility of their lighting systems to create enhanced learning environments. But budget restrictions can drive their decision to install stand-alone controls versus an integrated lighting control system. With a scalable system, schools can have the best of both worlds.

Scalability is often critical to achieving operational goals, which include balancing budgets while still delivering high-quality, reliable lighting control that works for today's energy and code requirements, and will work for tomorrow's too.

A scalable, wireless control system allows customers to start with a single room, and expand as budget and renovation plans allow.

Lutron's Vive scalable wireless lighting control system offers schools energy savings, improved lighting performance and the flexibility to grow that simple, stand-alone controls just can't. Controls can be installed and set up in stand-alone situations and be linked together via Vive wireless at any stage of the project.

With exponentially fewer pipe and wire installation requirements than a wired system, the Vive wireless system reduces installation times and labour costs while increasing lighting options across classrooms, technology labs, lecture halls, private offices and conference spaces.

Using Vive wireless also makes design quick and simple, accommodates changes easily, and helps keep the lighting retrofit within budget. All programming can be done with the Vive app. Lutron service and support is also a key system benefit, providing a simple avenue for keeping software up to date.

Switching

In classrooms, and areas that are frequently unoccupied, switch lighting using wireless occupancy sensors and Pico wireless switches.

Dimming

For areas demanding more sophisticated, high-performance dimming control, the flexible Vive wireless solution includes dimming modules, wireless daylight sensors, occupancy sensors and Pico remote dimmers to provide a full range of lighting control options to instructors and students in the space.

Integration

Network areas together using Vive wireless hubs. Hubs tie the lighting control system into other building management controls via BACnet, facilitating load shed (important to energy savings and cost reduction) and enabling HVAC systems to respond to wireless occupancy sensors, automatically reducing energy use.

Add wireless sensors with no wire runs

Simple installation for occupancy or vacancy sensing that is easily paired wirelessly in 10-seconds.



Power Distribution

Schools are becoming increasingly intelligent, automated, networked operations requiring power distribution systems with greater flexibility and communication capabilities. Standards are more complex and technical requirements more demanding. Ensure highly consistent, efficient and reliable power distribution with expertise from our specialists and expertly coordinated power distribution products and systems.

Our comprehensive services include Coordination Studies, Short Circuit Studies, Device evaluation, Arc Flash Studies and Ground Grid Testing. For Power Quality Management, we offer Capacitor Banks, TVSS Surge Protection, Harmonic Filtering, Energy Monitoring and EV Charging Solutions.



Learn More

SIEMENS

As an industry-leading manufacturer, Siemens delivers technology you can trust. Their products and systems are engineered to meet the most demanding conditions and offer maximum safety and efficiency. From switchboards and panels to meters centres and circuit breakers, our comprehensive portfolio of Siemens products for commercial power distribution and electrical installations covers every institutional requirement.

Expertise, Services & Solutions for Modernizing Electrical Power

According to Statistics Canada, "By the turn of the millennium, the average age of education infrastructure in Canada had risen to 21.3 years. On average, the service life of education buildings is estimated at about 40 years."⁴ But today, schools are integrating new technologies in greater quantities. Developing and deploying cost-effective increasingly clean energy technologies requires the replacement and modernization of existing power systems.

Future-proof designs, optimize performance and extend the lifespan of existing equipment with expertise and services from our Power Distribution team. Bringing extensive industry experience and a hands-on, in-field approach, our Power Distribution Specialists ensure customers obtain the most efficient and cost-effective solutions for their electrical projects at every stage.



From planning, design, estimating, procurement, scheduling and progression through to construction completion, they've managed every aspect of projects in the education sector.

Keep power systems safe, efficient, reliable and up-to-date with our selection of premier power distribution expertise, services and solutions.

⁴ Gaudreault, Valérie, Donald Overton and John Trstenjak. 2009. *Age of Education Infrastructure: Recent Trends*. Statistics Canada Catalogue no. 11-621-M. Ottawa, Ontario. Analysis in Brief, no. 81.

BL Breakers: Panelboard mounted, non-interchangeable trip, molded case circuit breakers

Quality & innovation you can trust.

Siemens BL molded case circuit breakers are bolt on thermal/magnetic trip unit breakers suitable for mounting in lighting panels (P1, P2, and P3), power panels (S5), and switchboards. The BL breakers are suitable for 120/240VAC applications at 10kAIC and come in 1-pole, 2-pole, and 3-pole configurations from 15-100A. These breakers are CSA/UL listed and can be configured with shunt trip and auxiliary switch accessories.

SIEMENS 1 Pole Breaker

PRODUCT CODE	AMP RATING	BARCODE
SIEB115	15A	
SIEB120	20A	




SIEMENS 2 Pole Breaker

PRODUCT CODE	AMP RATING	BARCODE
SIEB215	15A	
SIEB220	20A	
SIEB230	30A	
SIEB240	40A	
SIEB250	50A	
SIEB260	60A	
SIEB2100	100A	



SIEMENS 3 Pole Breaker

PRODUCT CODE	AMP RATING	BARCODE
SIEB315	15A	
SIEB320	20A	
SIEB330	30A	
SIEB340	40A	
SIEB350	50A	
SIEB3100	100A	



BQ Breakers





Siemens BQ molded case circuit breakers are lug-in, lug-out bolt on thermal/magnetic trip unit breakers suitable for mounting in Siemens residential loadcenters. The BQ breakers are general application breakers suitable for 120/240VAC applications at 10kAIC and come in 1-pole, 2-pole, and 3-pole configurations from 15-100A. These breakers are CSA/UL listed.

SIEMENS 1 Pole Breaker

PRODUCT CODE	AMP RATING	BARCODE
SIEBQ1B015	15A	
SIEBQ1B020	20A	



SIEMENS 2 Pole Breaker

PRODUCT CODE	AMP RATING	BARCODE
SIEBQ2B015	15A	
SIEBQ2B020	20A	
SIEBQ2B060H	60A	
SIEBQ2B125H	125A	



SIEMENS 3 Pole Breaker

PRODUCT CODE	AMP RATING	BARCODE
SIEBQD6315	15A	
SIEBQD6330	30A	



3R Enclosure 30kVA
600-120V/208V



HAMEG3A0030PB

3R Enclosure 75kVA
600-120V/208V



HAMEG3A0075PB

3R Enclosure 150kVA
600-120V/208V



HAMEG3A0150PB

3R Enclosure 45kVA
600-120V/208V



HAMEG3A0045PB

3R Enclosure 112.5kVA
600-120V/208V



HAMEG3A0112PB

3R Enclosure 225kVA
600-120V/208V



HAMEG3A0225PB

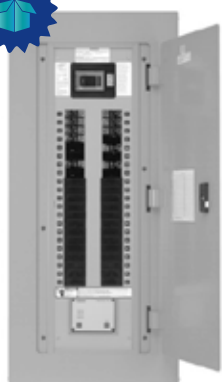


SIEMENS P1 PANEL KITS

Simplify Wiring For Maximum Flexibility

Introduced in 2015, the Revised P1 has added extended circuits (up to 66 available) and has smaller enclosures and no subfeed options also available for added flexibility that is great for schools.

Field installable kits for many different applications and purposes can also be added to the P1 panelboards, including lug kits, breaker mounting kits, and replacement parts and accessories such as bonding kits, insulated ground buses and filler plates. These flexible options offered by the P1 panel make it easier to reconfigure the panel in the field for a contractor, and easier to upgrade and maintain for the Owner.



250A 600/347V
3-Phase P1 Panel Kit



SIEKITPIL30ML250AT

250A 208/120V
3-Phase P1 Panel Kit



SIEKITPIC42ML250AT

250A 600/347V
3-Phase P1 Panel Kit



SIEKITPIL42ML250AT

400A 208/120V
3-Phase P1 Panel Kit



SIEKITPIC42ML400AT

400A 600/347V 3-Phase
P1 Panel Kit Interior Main Lug



SIEKITPIL42ML400AT

400A 600/347V
3-Phase P1 Panel Kit



SIEKITPIL30ML400AT

SIEMENS P2 PANEL KITS

Unassembled & Factory Assembled

Step Up Power Distribution With P2 Panelboards



Offering a stepped approach to power distribution (P1-P2-P3), the hallmark of the "P Series" line of panels is flexibility. With a wide array of factory-assembled options to meet virtually any lighting panel application, the P2 allows for the mixing of breaker frames (up to 250 amps) within the unit space and meets many distribution panel requirements in a much smaller package.

250A 66-Circuit
P2 Panel Kit



SIEKITI2C66ML250ABL

400A 66-Circuit
P2 Panel Kit



SIEKITI2C66ML400ABL

400A 90-Circuit
P2 Panel Kit



SIEKITI2C90ML400ABL

Surge Protection Devices

For uncompromised electrical system protection, safety, and reliability trust Siemens' line of TPS3 Devices.

SIEMENS



TPS3 03 Surge Protection Device, 120/240V



SIETPS3A030500

SIEMENS



TPS3 09 Surge Protection Device, 120/208V 3-Phase 4-Wire



SIETPS3C0910D00

SIEMENS

200A 240V Fusible Industrial Duty Switch, 3-Pole, 3-Wire



SIEID324



200A 600V Fusible Industrial Duty Switch, 3-Pole, 3-Wire



SIEID364

400A 600V Fusible Industrial Duty Switch, 3-Pole, 3-Wire



SIEID365

SIEMENS

200A 600V Fusible Industrial Duty Switch, 3-Pole, 3-Wire, Non-Fusible



SIEID364NF



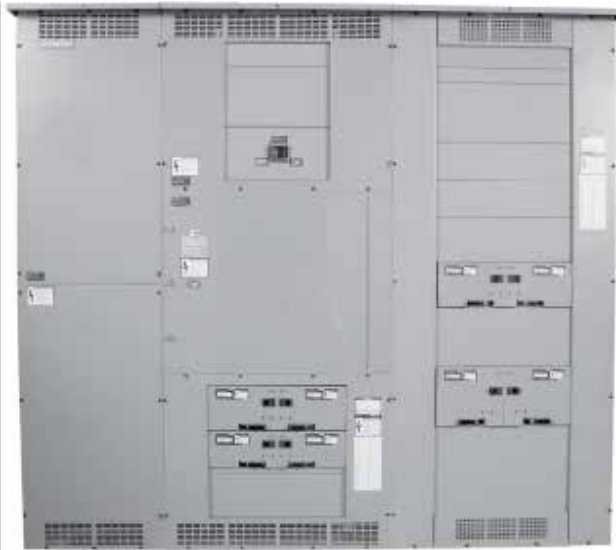
400A 600V Fusible Industrial Duty Switch, 3-Pole, 3-Wire, Non-Fusible



SIEID365NF

**Siemens ID Switches
designed for reliable
on-going performance**

SIEMENS



Sentron® SMP Switchboard (400–1200A)

The termination temperature for main incoming cables can be sized at 90°C for bussed pull sections.

Wiring Room & Front Accessibility

Distribution sections are designed with improved wiring space and greater accessibility, as well as for easier installation and maintenance.

House a Variety of Equipment

Service entrance sections accept a wide range of Sentron Molded Case Circuit Breakers as main disconnect devices.

Front-access Bus-Link Connections

Front accessibility to bus and protective devices makes adding or replacing circuit breakers or switches quick and easy.

SIEMENS



Sentron® FCI Switchboards

Delivering the rugged construction and service flexibility necessary in systems for industrial plants, high-rise complexes, hospitals and commercial buildings, Siemens FCI and FCII Switchboards are built to NEMA and CSA, C22.2 #31 and EEMAC, G8.2 standards.

Expanded wiring room and exceptional accessibility

Distribution sections with improved wiring space for greater accessibility, easier installation and maintenance. Conveniently located throughbus creates useful wiring gutter space, and standard bolted gutter covers offer complete access to load conductors.

Less wiring time and cost to install

All through-bus to adjoining sections are located in the rear centre of distribution sections. This design provides large, unobstructed wiring gutters at the top and bottom of each section. makes adding or replacing circuit



SIEMENS Integrated Power Systems Switchboard (IPS)

Great on space for smaller breaker rooms in schools. Integrate multiple pieces of electrical distribution equipment into a single assembly. The modular design of the IPS switchboard can also be cable or bus connected to existing switchboard lineups.



Distribution sections

- Up to 2000A (full height)
- Up to 1200A (half height)



Transformers

- Up to 300KVA (full height)
- Up to 112.5KVA (half height)

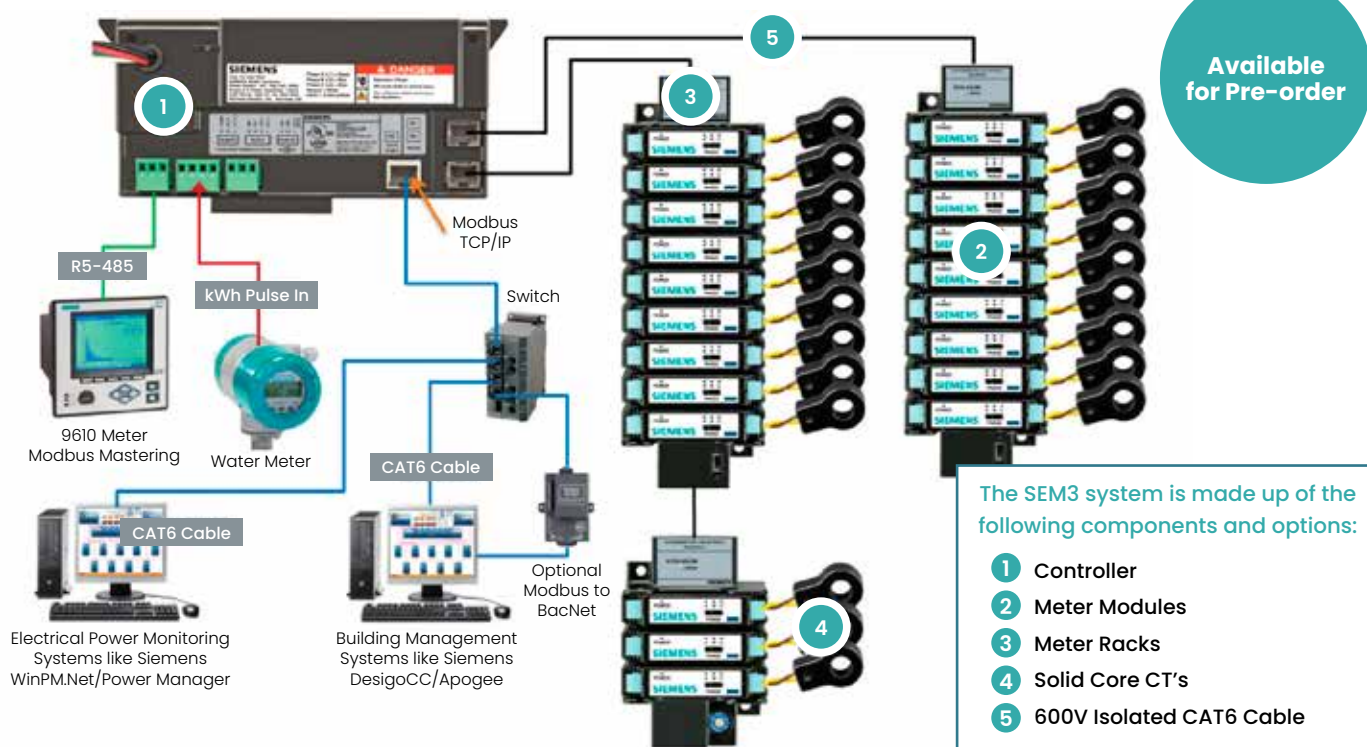


Panelboards

- P1 up to 250A (full height)
- P2 up to 600A (half height)

SIEMENS SEM3 Energy Monitoring System

In our schools, we need to be able to implement OEM and retrofit applications to our meter systems. Meter just the loads you need without the excess hardware and space requirements of traditional or competing solutions. The fully programmable SEM3 series monitoring system contains configurable alarms allowing you to better monitor loads and energy usage while the modular design enables customization to suit large or small metering needs.



EV Charging

Versatile, modular and rugged, our selection of universal outdoor EV chargers allow charging of any standard electric vehicle in just 90 minutes or less. Open-source software and multiple mounting options make for easily customizable configurations to suit any size institutional application. Available set-ups include simple wall-mounted, pedestal or a combination.



[Learn More](#)



SIEMENS

An easy-to-use app, fast charging, open payment options, smart load management and monitoring, Open Charge Point Protocol (OCPP) networking and more make the Level 2 VersiCharge AC perfect for any institutional application. VersiCharge AC easily integrates into any building management system while scalable parent-child configuration allows child units to be connected to local networks via Wi-Fi or Ethernet and to communicate with a parent unit. Whether using parent units just as a communications gateway or to execute more extensive local networking and control functions, parent-child configuration options reduce investment and operational costs. Available in 9.6 kW (40A) or 11.5kw (48A).



VersiCharge AC series

Commercial Child
VersiCharge G3, 40A (9.6kW)

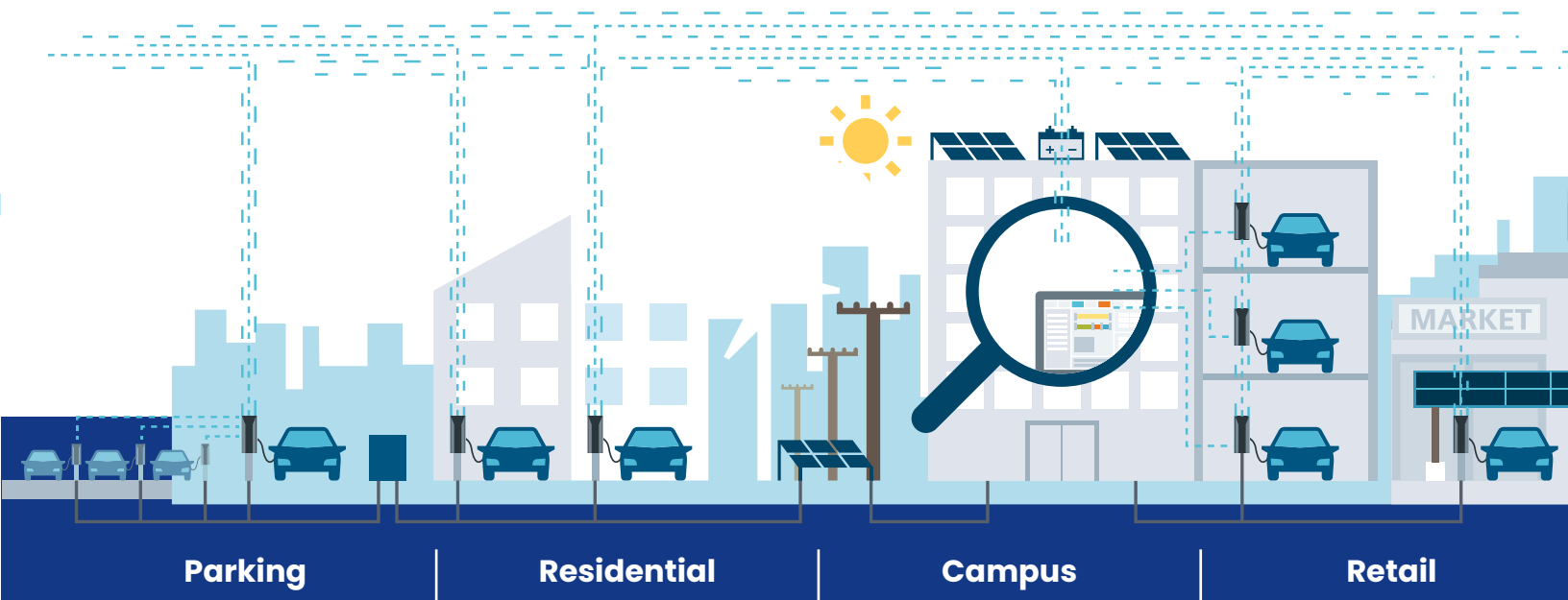


SIE8EM13104CF140GA0

Commercial Parent
VersiCharge G3, 40A (9.6kW)



SIE8EM13104CF141GA1





EV Charging on Campus

FLO EV chargers feature internal load management systems, can be configured to authorize access using the FLO mobile app or RFID card authentication, and deliver real-time updates and notifications to drivers. Utilizing G5 cellular connectivity, FLO chargers also offer remote management capabilities when using FLO's global management services. Sturdy construction ensures longer service life and greater operational reliability, even in the harshest environments.



NEMA 4X rated

Core+

Level 2 6A to 30A (1.2kW to 7.2kW) charger offering scalable architecture and patented PowerSharing and PowerLimiting energy management technologies to save up to 45% in electricity costs per year:

- LTE connectivity allows for simple monitoring, price setting and reporting.
- FLO's integrated Cascading Kit enables serial daisy-chain connection of multiple charging stations on the same branch circuit.

Core+MAX

Smart 80A (19.2kW) Level 2 charging station specifically designed for light and medium-duty EV fleets and capable of serving as a public charger:

- Charges up to 2.7x faster than a typical 30A Level 2 charging station.
- Less strain on the battery than a DC fast charger.
- Instal four or more Core+Maxs for the cost of one 25kW DC fast charger.
- Features flexible charge settings, ranging from 24 to 80 amps.



Wall-mounted

Single pedestal

Back-to-back pedestal

Wall-mounted

Dual side-to-side

Back-to-back or single pedestal

Benefits of providing campus charging stations



Provide staff & students with greener options



Contribute to a more sustainable future



Future proof educational facilities



Help reduce carbon footprint



Smart DC

Ideal for applications where vehicles need to charge often and quickly, FLO's SmartDC is equipped with CHAdeMO and SAE Combo connectors to offer fast, reliable charging for DC fast-charging capable EVs:

- Adjustable output power control options also help save on operational expenditures by avoiding peak energy demand.
- Available in 50kW or 100kW.
- NEMA 3X rated.

SmartTWO

Sturdy and durable, Level 2 30A (up to 7.2kW) SmartTWO charging stations are ideal for sites exposed to harsh weather conditions or vandalism like outdoor or public areas.

- Connector is stored behind a safety door that users unlock using charging session authentication through RFID card or the FLO mobile app.
- Available in various configurations to facilitate installation in any situation.
- NEMA 4X rated.



Wall-mounted



Double wall-mounted



Single pole-mounted



Double pole-mounted



Learn More



CONNECTRAC® Express Kits

Express Kits seamlessly manage both power and data cables and come in two installation options – under carpet tile and on top of any flooring surface. Both options are ideal for applications that need a grab-and-go power/data solution. Express Kits also work easily in both retrofit and new construction applications.



ON TOP OF ANY SURFACE

Also available in:

- 6' Express Kit
- 9' Express Kit
- 12' Express Kit

**SINGLE
BOX KIT**

**2 HOUR
INSTALL**

**GRAB
AND GO**

UNDER CARPET TILE

Also available in:

- 6' Express Kit
- 9' Express Kit
- 12' Express Kit

**2 INSTALL
OPTION**

**SINGLE
CIRCUIT**

**ACCEPTS
DATA**

Raceway Vertical
Undercarpet
Wire Manager



CONCTACVWMIDG

Raceway Vertical
Overcarpet
Wire Manager



CONCTXPO1ACVWMIDG

Raceway Kit 9ft
Overcarpet
4 Power 4 Data



CONCTXPO109251CSV

Raceway Kit 9ft
Undercarpet
4 Power 8 Data



CONCTXP09251C

Power & Data



People move. Equipment moves. Furniture moves. Power must be easy to change and relocate. The industry's first code compliant modular power system is designed to give you the freedom to reconfigure power and charging as you need. No matter how your project unfolds, the ModPower System provides convenient power access that meets code.



**The Rabbit
(Fast)**



3.1A USB-A Specification
Grade 15A Combination
Wall Outlet, White



PASTR5262USBW



**The Cheetah
(Faster)**



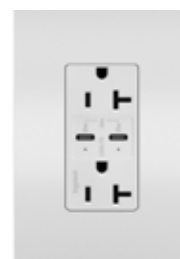
Ultrafast 6.0A USB-A+B,
20A Combination
Wall Outlet, White



PASTR20USBAC6W



**The Falcon
(Fastest)**



30W Power Delivery
USB-C 20A Combination
Wall Outlet, White



PASTR20USBDW



Desktop Power Center
3.1A USB-A, 2 Outlet, Black



WRMWSPC220BK



Desktop Power Center
3.1A USB-A, 3 Outlet, White



WRMWSPC320WH



Outdoor Charging Stations

Charge up in the great outdoors. Give people an easy way to recharge phones and other USB-powered devices with a permanent, stylish USB charging station.



Outdoor Ground Box

Groundbreaking power. Give facility teams an easy way to access power with the first UL-listed while in use in-ground box that's always on.



Solar Charging Kit

Power up with the quickest, easiest way to add power to outdoor areas. Add solar powered USB ports without the expense of a full construction project.



The Wave® Switch lets users turn lights on, or off, with just the wave of a hand, providing a germ-and-worry free solution that's perfect for schools and universities. From bathrooms to classrooms, creating cleaner spaces starts with cleaner control. With a preset sensor distance of 4", this feature is easily adjustable to sense movement from 1" to 6" in front of the switch.

ICT

Modern campus network infrastructures support a variety of growing education technology needs, from BYOD and classroom learning systems to physical security, building AV and connected building systems. Committed to providing ICT products and services for data networks and electrical power applications, our electrical and network infrastructure solutions ensure smart, scalable, and efficient connectivity across all aspects of your projects. Our comprehensive cabling, physical infrastructure and specialist services for classrooms, campus data centres and telecommunications rooms simplify the design, installation and operation of evolving school networks to support every type of education technology demand.



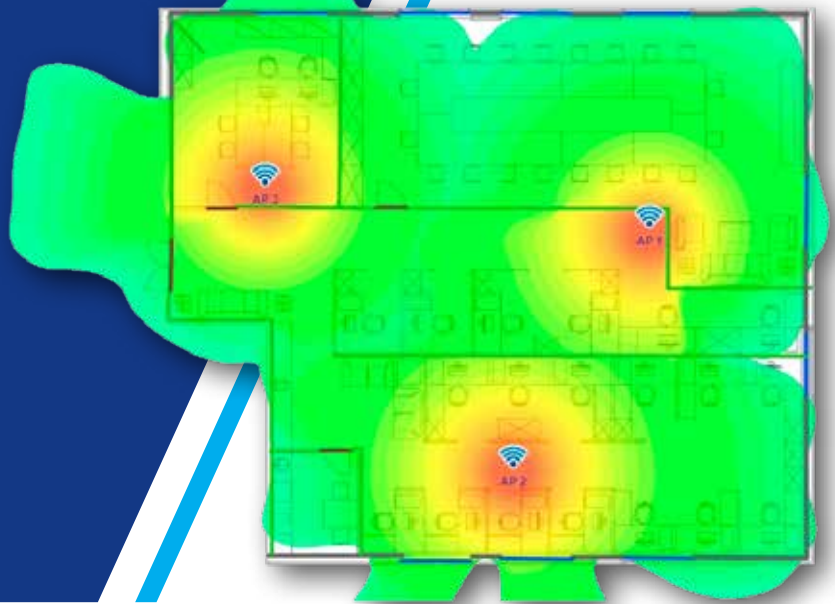
Learn More

Campus Connectivity Challenges

As the world becomes more connected the demands on networks increase exponentially. This is true for schools, our homes, and across industries. Today, connectivity is needed on every inch of campus to support rapidly growing online learning platforms. These applications need low latency and high bandwidth. This is a challenge for many cash strapped facilities that already suffer from congested Wi-Fi and network bottlenecks.

GESCAN
A Sonepar Company

Heat Map



Our Network Solutions

We offer predictive Wi-Fi simulations to help you optimize access point placement during rough-in of your institutional projects, as well as provide industry-leading solutions to enhance the performance of Wi-Fi network systems now and well into the future:

Upgrade to the newest WIFI 6 HD access points from TP Link

- Ultra-Fast Wi-Fi 6 Speeds: Simultaneous 1148 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz totals 3550 Mbps Wi-Fi speeds.
- High-Density Connectivity: 4x increased capacity to connect more devices simultaneously.
- 2.5G Port: A 2.5 Gbps Ethernet port boosts total internet throughput.

Level up with Panduit's Category 6A UTP Copper Cabling System

Increase network throughput with Panduit's Category 6A UTP Copper Cabling System offering best-in-class performance with reduced cable diameters. This system uses Advanced MaTriX Technology in cabling and patch cords along with advanced connector compensation techniques:

- Smaller cable diameter
- Achieve channel bandwidth performance above industry standards
- Small size improves energy efficiency and airflow management
- Easier installation due to a reduced diameter
- Supports advanced Power over Ethernet (PoE) applications

PANDUIT™



Rack Mount 1 RU



PANFRMEIU

General Cable

Also Available
in 6 Fiber



12 Fiber Indoor Outdoor
FT6 50/125 OM3 Black



CAB12FIBERIO50125FT6

PANDUIT™

Also Available
in 6 LC



12 LC Dupl Adapters, OM3/4



FAP12WAQDLCZ

PANDUIT™



12 Fiber Distribution
FT6 50/125 OM4



PANFODPZ12Y

PANDUIT™



OM3/OM4 LC Simplex,
50/125µm



PANFLCSMCXAQY

PANDUIT™



OM3 Patch LC to LC
Duplex - 2m



PANNKFPX2ERLLSM002

End-to-End Fiber Systems

Ensure schools can meet high-data rate application demands with Gescan's comprehensive fiber optic systems that deliver high performance, reliability and scalability. We provide fiber optic cable, connectors, adapter modules, adapter panels, cassettes, enclosures, patch cords, cable assemblies, cable distribution products and accessories.

Did you know?

- A great wifi connection is -50 dB.
- Target peak bandwidth per user for our end client is 25 MBPS AVG in work areas.
- Meeting rooms and shared spaces should support 10 MBPS per user.

Good, Better, Best: Choose the Right Cabling Network to Meet Your Project's Needs.

Copper UTP Cable	Frequency	1G	10G	POE	Max Length
CAT5e	100	x		Poor	100 Meter
CAT6	250	x		Good	100 Meter
CAT6 Enhanced	350	x		Better	100 Meter
CAT6A	500		x	Best	100 Meter
Fiber Optic Cable					
Multimode Fiber OM3			x	NA	300 Meters
Multimode Fiber OM4			x	NA	550+ Meters
Single Mode OS2			x	NA	5KM (1310nm) 30 KM (1550 nm)

CAT 6 Structured Cabling Network

Improving Bandwidth in education



PANDUIT™

CAT 6 Punchdown Jack Module, White, Pack of 25



PANNK688MWHQ

Connectors

Also Available in Black & Blue

Designed to terminate 4-pair, 22-26 AWG twisted pair cable. Contacts plated with 50 microinches of gold for superior performance. Individually serialized and compatible with keystone interfaces.



KLEIN TOOLS

PassThru™ Modular Data Plug, CAT6, 50Pack



KLNVDV826703

Connectors

For fast, reliable connector installations and data applications. Cable easily passes through connectors for consistent and secure termination. Saves time, trims flush to end face when used with Klein Tools Pass-Thru Modular Crimper VDV226-110 and eliminates wasted materials.



PANDUIT™

Flush Mount Patch Panel, 24Port Unloaded



PANNKPP24FMY

PANDUIT™

Flush Mount Patch Panel, 48Port Unloaded



PANNKPP48FMY

Patch Panels

NetKey® Faceplate Modular Patch Panels from Panduit accept up to 24 (1 RU) and 48 (2 RU) keystone modules for unfinished applications and mount to 19 inch and 23 inch racks and cabinets. Panels offer front access, can be identified with adhesive labels and are available in black.



General Cable

CAT6 FT6 Blue



CAB24/4PS6FT6BLUGENERAL

Cable

Also Available in White

- Unique separator design engineered for consistent electrical performance
- Performance guaranteed to 350 MHz
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance

Applications:

- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+
- ANSI/TIA 854: 1000 BASE-TX
- CDDI, Token Ring, ATM
- Digital Video
- Broadband and Baseband Analog Video



CAT 6A Structured Cabling Network

Level up to 10G

Design your CAT6A network
by pairing our in stock cable &
jacks with the accessories that
fit your project. Talk to a Gescan
ICT Specialist to build your
custom solution.



PANDUIT™

1 Port Faceplate
with Label



PANNK1FWHY



PANDUIT™

2 Port Faceplate
with Label



PANNK2FWHY



PANDUIT™

4 Port Faceplate
with Label



PANNK4FWHY



PANDUIT™

CAT 6 Blue 5'



PANNK6PC5BUY

Patch Cables

Also Available in 1', 3', 7', 10'

Category 6/Class E patch cords are constructed of UTP 24 AWG stranded copper cable and a modular plug at each end. Patch cords are used in all work area outlets and patch panels. Wired to be compatible with both T568A and T568B wiring schemes. Applications include: Ethernet 10BASE-T, 100BASE-T and 1000BASE-T, 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Token Ring 4/16 and VoIP.

Also Available
in White

PANDUIT™

CAT 6A Blue



PANPUP6AV04BUG



Also Available
in Black & Blue

PANDUIT™

CAT 6A Punchdown Jack
Module, White, Pack of 25



PANNK6X88MWHQ

Plates

The NetKey® Faceplate accepts one, two or four keystone modules. The faceplate is single gang and mounts to a NEMA standard single gang opening. Includes a label pocket for easy identification. Available in white.

Guaranteed network performance & reliability

From structured cabling and connectors to panels and plates, we offer products from industry-leading manufacturers for all your institutional data and communication projects.



Sustainable Smart School Solutions

Discover the possibilities for powering, transforming and sustaining smarter learning facilities of tomorrow. From CCT, lumen selectable, and voltage sensing light fixtures and smart wireless lighting controls to EV charging stations, high-performance network systems and power distribution, our solutions help schools meet the growing technological demands of today while maintaining project budgets, reducing energy use and improving sustainability for a better tomorrow. Offering design, product selection, supply assistance, and more, learn how our teams of specialists can help you create and maintain educational institution projects of any size.

WWW.GESCAN.COM

