Lighting for Educational Facilities







Made Right Here™

H.E. Williams, Inc. is well into its third generation of family leadership and still manufacturing products at our facility in Carthage, Missouri, where it all began in 1921. Over the years, technology has evolved, but our values have not.

As an independently-owned American manufacturer, we are simply easier to do business with. We personally and quickly respond to you with answers. We build and ship products with your schedule in mind, and our long-standing promise to produce quality fixtures means fewer field service issues. After 100 years, we've found no better way to meet your standards and ours.

At our Midwest headquarters and production facility, every order is handled like it's the only order. From start to finish, Williams light fixtures are made by hardworking men and women. It's their job to see that each product is built right.

A lifelong partnership and products we're proud to put our name on – that's the Made Right Here difference.



A Visible Difference®



Content



30 Office & Administrative



 34^{Egress}



38Site Lighting



42 Dynamic Lighting



44 Connected Lighting



Oining & Common Areas



10 Libraries





18 Auditorium & Lecture Halls





Lighting for Education

Lighting in today's educational facilities goes beyond the classroom. From lecture halls and corridors to gymnasiums and parking lots, Williams offers the full lighting package.

Proper illumination improves student performance, increases alertness and enhances overall well-being. With a vast product portfolio including dynamic lighting and connectivity solutions, our luminaires are engineered to meet the most demanding environments and designed to deliver a personalized level of light control.

Lighting can be a significant portion of a school's operating expense. Reduce maintenance costs and maximize energy savings using LED products with integrated controls from Williams.

Delivering a better learning experience through lighting

Dining & Common Areas

Welcome students and visitors by promoting the school brand with tunable lighting while enhancing the architectural details.

For areas such as cafeterias with lofty ceilings, high-performance recessed fixtures deliver ample illumination and are not an obstruction to the space.





Easily control the lighting, gather desired data and minimize energy consumption using Williams

Power over Ethernet lighting.

Creating an inviting atmosphere in the heart of the school

 \sim





MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, proud and regressed lenses give designers a variety of looks



PX | Continuous Perimeter

- Use slot, wash or graze distributions to illuminate room perimeters
- Engineered to accommodate straight runs and corners
- Adjustable extensions ensure a perfect fit for every application



RND | Round Architectural

- Supplies soft, uniform ambient illumination
- Combine multiple mounting types to create a unique and modern space
- Available in diameters up to 4'



LC | LED Cylinder

- Available in six standard finishes for high-end design
- Unique mounting options cable, wall, ceiling and hub
- Provides down or up/ down illumination



4D & 6D | 4 & 6 Inch Downlight

- Innovative TrimLock® reflector retention system ensures trim remains flush with ceiling plane
- Industry-leading efficacies as high as 120 lm/W
- Die cast trim choices include flush, regressed or angled lens



LT | Troffer

- High-efficacy fixture delivers up to 140 lm/W
- Easily change the color temperature on-site with fieldseleCCT®
- DLC Premium qualified

Libraries

While still centered around reading and learning, modern school libraries also serve as creative spaces, computer labs and club meeting rooms.

Suspended luminaires from
Williams adequately and uniformly
illuminate bookshelves from
top to bottom while making
an architectural statement.





Recessed fixtures are a more traditional option to provide comfortable, glare-free lighting in study areas.

For quiet reading spaces, choose from a broad selection of 2, 4, 6, and 8 inch downlights with dimto-warm technology to create a calm, relaxing ambience.

Enriching student learning experiences





MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, proud and regressed lenses give designers a variety of looks



CX | Continuous Cove

- Provides soft, uniform lensed illumination for contractor and extruded coves
- Field-adjustable to the inch ensures a perfect fit
- Design spaces quickly with the Linear Product Builder



RND | Round Architectural

- Supplies soft, uniform ambient illumination
- Combine multiple mounting types to create a unique and modern space
- Available in diameters up to 4'



AX2 | 2 Inch Architectural

- Sleek, slim architectural design provides direct or indirect light
- Slightly wrapped lens creates glowing edge and smooth illumination
- Suspended and wall mount styles add design flexibility and continuity



4D & 6D | 4 & 6 Inch Downlight

- Innovative TrimLock® reflector retention system ensures trim remains flush with ceiling plane
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Slim 5" depth for minimal plenum space applications



AT | Architectural Troffer

- Backlit curved lens provides uniform illumination for visual comfort
- Three unique styles create a highly-aesthetic presence
- DLC qualified

Classrooms

Quality LED illumination improves academic performance, enhances student comfort and reduces eye fatigue by eliminating flicker, glare and fixture noise, while appropriate LED color temperatures can affect mood and focus.







Tailor the learning environment to the needs of the class and boost student engagement by selecting tunable white products connected via PoE.

Tunable white and PoE are available in nearly all recessed, suspended, surface and downlight product lines from Williams.

Encouraging improved student performance





AT | Architectural Troffer

- Tunable white available to enhance student performance
- Backlit curved lens provides uniform illumination for visual comfort
- Three unique styles create a highly-aesthetic presence



MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Design spaces quickly with the Linear Product Builder
- Proud, flat and regressed lenses give designers variety



LT | Troffer

- High-efficacy fixture delivers up to 140 lm/W
- Tunable white available to enhance student performance
- Easily change the color temperature on-site with fieldseleCCT®



LP | Edge-lit Flat Panel

- Slim 2-3/16" depth for shallow plenum applications
- Uniform ambient illumination reduces glare and student fatigue
- Easy to install without the use of tools
- DLC qualified



SDI5 | Suspended Direct/Indirect

- Timeless, low-profile design provides direct and indirect illumination
- Tunable white available to enhance student performance
- Stand-alone & continuous row mounting



LLM | Architectural Slimline Suspended

- Tunable white available to enhance student performance
- Slim, low-profile design
- Design flexibility with round or square profiles

Auditorium & Lecture Halls

Auditoriums have unique performance lighting and schedule control requirements. High-output downlighting with dimming features works well for general illumination. PoE connectivity is a smart way to fully automate the lighting.



Adequate illumination is critical in large spaces with high ceilings such as lecture halls. Bring style and function to these key areas by using continuous linear product to create a contemporary look or choose designer cylinders for an industrial flair.

Presenting the audience with a welcoming atmosphere





8DR | 8 Inch High Output Downlight

- High-output illumination for tall ceiling applications
- Beam angles ranging from 35° narrow to 65° wide for tailored performance
- Open reflector with 9 finishes to complement any interior style



HC7 & MC7 | 7.5" High/Mid Output Cylinder

- Up to 11,000 delivered lumens
- High-output illumination for tall ceiling applications
- Available in six standard finishes for high-end design



CX | Continuous Cove

- Provides soft, uniform lensed illumination for contractor and extruded coves
- Field-adjustable to the inch ensures a perfect fit
- Tunable color available



AT | Architectural Troffer

- Backlit curved lens provides uniform illumination for visual comfort
- Three unique styles create a highly-aesthetic presence
- Tunable color available



MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, proud and regressed lenses give designers a variety of looks



RND | Round Architectural

- Supplies soft, uniform ambient illumination
- Combine multiple mounting types to create a unique and modern space
- Available in diameters up to 4'

Athletic Centers

Enhance and set the tone for entryways and concessions with architectural suspended and recessed solutions from Williams. Use dynamic lighting to easily transition from a high-energy atmosphere like a sporting event to a prestigious environment such as a graduation.









Rugged, shatter-resistant, highoutput LED high bays from Williams withstand the rough and tumble nature of athletic events, while uplighting, dimming protocols and connectivity solutions provide a softer ambiance to set the scene for ceremonies and social gatherings.

Meeting the demanding requirements of multipurpose environments





GP | Performance LED Highbay

- Scalable to meet the needs of high bay and low bay applications
- Variable uplight options

LC | LED Cylinder

Available in six standard

Provides down or up/

down illumination

finishes for high-end design

 Unique mounting options – cable, wall, ceiling and hub

 Tailored performance with narrow, medium and wide distributions and lens options



GL I Low Profile Industrial

- Shallow fixture depth of less than 4"
- Narrow distribution and uplight options provide precise illumination
- Quick-wire access plate for easy installation



GC | Classic Round LED High Bay

- One-for-one HID replacement
- IP-65 rated for tough environments
- Optimize performance with narrow, medium and wide lens options



MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, proud and regressed lenses give designers a variety of looks



4D & 6D | 4 & 6 Inch Downlight

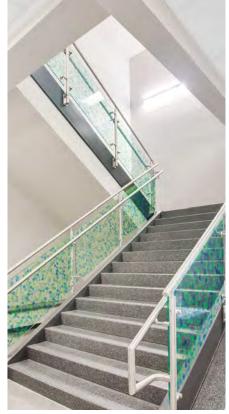
- Innovative TrimLock® reflector retention system ensures trim remains flush with ceiling plane
- Optional non-conductive lens for shower applications
- Beam angles ranging from 10° narrow to 65° wide for tailored performance

Corridors & Stairwells

Faculty and students feel safer in well-lit areas. Continuous LED lighting products in ambient, perimeter and cove configurations from Williams provide seamless illumination along the entire corridor, eliminating dark spots and shadows.







Dimming protocols, coupled with occupancy and daylight sensors, save energy and deliver optimum light levels. As corridors and stairwells are frequented less, lights automatically dim, then transition seamlessly to higher lumens as one enters the space. Energy savings are realized without compromising safety and security.

Promoting feelings of safety and security





AT | Architectural Troffer

- High efficacy fixture delivers up to 110 lm/W
- Backlit curved lens provides uniform illumination for visual comfort
- Three unique styles create a highly-aesthetic presence
- DLC qualified



CX | Continuous Cove

- Provides soft, uniform, illumination for contractor and extruded coves
- Field-adjustable to the inch ensures a perfect fit
- Design spaces quickly with the Linear Product Builder



AX2 | 2 Inch Architectural

- Sleek, slim architectural design provides direct or indirect light
- Slightly wrapped lens creates glowing edge and smooth illumination
- Suspended and wall mount styles add design flexibility and continuity



RND | Round Architectural

- Supplies soft, uniform ambient illumination
- Combine multiple mounting types to create a unique and modern space
- Available in diameters up to 4'



MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Diffuse acrylic lens provides uniform illumination for visual comfort



PX | Continuous Perimeter

- Use slot, wash or graze distributions to illuminate room perimeters
- Engineered to accommodate straight runs and corners
- Adjustable extensions ensure a perfect fit for every application

Office & Administrative

Preparing academic curriculum for students requires concentration and focus. Service school faculty by using fixtures that deliver uniform, glare-free illumination such as recessed luminaires from Williams.







Personalize the lighting in office spaces with fieldseleCCT®. An innovative solution from Williams, fieldseleCCT allows the end-user to choose a desired color temperature with its built-in fixture switch.

Stimulating thought and promoting clear decision making







- Recessed, surface and retrofit kit preserve continuity
- Slim 2-3/8" for minimal plenum space and lowprofile surface mount
- Easily change the color temperature on-site with fieldseleCCT®



CX | Continuous Cove

- Provides soft, uniform lensed illumination for contractor and extruded coves
- Field-adjustable to the inch ensures a perfect fit
- Design spaces quickly with the Linear Product Builder



AT | Architectural Troffer

- Backlit curved lens provides uniform illumination for visual comfort
- Three unique styles create a highly-aesthetic presence
- Hinged door frame swings down for easy room-side access





4D & 6D | 4 & 6 Inch Downlight

- Choose from round and square styles in trim or trimless
- Innovative TrimLock® reflector retention system ensures trim remains flush with ceiling plane
- Die cast trim includes flush, regressed or wall wash lens



MX4 | 4 Inch Continuous Ambient

- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, proud and regressed lenses give designers variety



1SF | Under Cabinet

- Delivers uniform, glare-free task lighting for work areas
- Small profile installs inconspicuously in confined spaces
- Available with attractive rocker switch for easy on/off

Egress

Well-marked exits and emergency backup lighting is necessary to maintain the safety of students, visitors and faculty.

Williams emergency and exit signs meet UL 924, NFPA Life Safety Code, NEC, OSHA, and local and state codes. Bright and evenly-illuminated signs provide excellent visibility from multiple locations within an area. Create custom messaging for precise wayfinding or important messages throughout the facility.



Nearly all Williams fixtures are designed with an emergency battery backup option to keep necessary lights on when the power goes out. Obtain peace of mind with battery backup providing 90 minutes of emergency operation and a rechargeable fully automatic solid-state system.

Ensuring safety for students, faculty and visitors





EMER/LED | Emergency LED

- High-performance, adjustable lamp heads
- Wet location available
- Optional high lumen heads



EXIT | LED Exit Sign

- Compact, low-profile design
- Universal single/double face
- Wet location available



EXIT/CA | Cast Aluminum LED Exit

- Three faceplate finishes
- Compact, low-profile design
- Unique design allows double face conversion in the field



EXIT/EL | Edge-lit LED Exit

- UV-stabilized edgelit panel provides consistent, uniform illumination
- Compact, low profile design
- Ceiling, side, wall mount or recessed



EXIT/EM/LED | Exit & Emergency

- Unique design allows double face conversion in the field
- Adjustable lamp heads
- Optional high lumen heads



EMER/DECO | Decorative LED

- Decorative, low-profile, architectural design
- Factory-installed photocell
- Standard operating temperature of 32°F to 122°F

Site Lighting

A school's exterior lighting serves as a beacon – welcoming visitors, providing safe passage to and from parking lots and highlighting architectural details.

Williams exterior LED lighting solutions are elegantly designed to accent buildings and blend seamlessly with the surrounding environment.





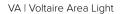
Our high-performance, energyefficient luminaires are built for durability and ease of installation.

Illuminate pathways with step lighting and bollards to promote wayfinding. Use flood lights to highlight signage and area lights to provide ample illumination along driveways and parking areas.

Creating welcoming first impressions







- Complement architecture with low-profile, contoured design
- Illuminate pedestrian walkways and parking lots using two functional sizes
- Shorten installation time with hinged two-piece enclosure



VG | Voltaire Garage Light

- Rugged and durable housing with IP66 rating
- Provides necessary security light levels and reduced glare
- Quick and easy installation with hinged two-piece enclosure



VF | Voltaire Flood Light

- Contoured styling blends seamlessly with landscaping
- Precise light control with six standard NEMA distributions
- Versatile suite of architectural mounting arms



VW | Voltaire Wall Pack

- Choose from two distinct styles in mini and standard sizes
- Designed to illuminate sidewalks, entryways, perimeters or facades
- Savings of up to 80% energy compared to HID systems



VCB | Voltaire Concrete Bollard

- Two uniques styles archilinear and triarc
- Aesthetically designed to harmonize with a variety of architectural styles
- Provides security and accent lighting for walkways, courtyards and entrances



OSC | Round Concrete Bollard

- Square and round styles available in 8 inch to 12 inch diameters
- Easy access to internal components.
- Natural concrete housing complements gardens, pathways and pedestrian-area applications.



Dynamic Lighting

Tunable Color

Create rich, vibrant designs with lasting visual impact using the full visible light spectrum to accent architectural elements in common areas and to create an environment that matches the mood during performances in auditoriums.

Tunable White

Enhance academic performance and student comfort through adaptive, individualized lighting using tunable white to promote learning in classrooms, study spaces, and libraries.

Dim to Warm

Mimic the familiar glow of incandescents to create a comfortable, relaxing ambiance using dim to warm to provide soft lighting in libraries and dining spaces.

fieldseleCCT®

Cater to personal preferences in administration areas and private office spaces with fieldseleCCT technology. Three switchable CCT settings provide color temperature flexibility – 3000K, 3500K and 4000K.spaces with fieldseleCCT technology.

Visit hew.com/dynamic to learn more.

Breathing life into your space with light



Connected Lighting

Optimize light levels, maximize energy savings and manage dynamic lighting by utilizing LED luminaires in conjunction with Williams Connectivity Solutions. Centrally controlled networks, such as PoE, use single, converged IP networked lighting to automate separate building systems into one easily-controlled solution, enabling smart building data collection, analytics and diagnostics.

Powering the entire school, PoE is the ultimate solution for energy management. Meet government and public energy qualifications while saving up to 80 percent. With PoE lighting, ballast and driver failures are eliminated, resulting in increased reliability, lowered maintenance costs and better quality of lighting across the school.

Connectivity solutions integrate more than just building systems. Intelligent systems allow devices such as wireless door locks, surveillance cameras and interactive learning tools, such as whiteboards and projectors to be connected and controlled together. The solution also has remote monitoring capabilities for power failures and, in emergency situations, can serve as a beacon to guide students and staff safely out of harm's way.

Improve academics and productivity for students, faculty and visitors by using networked lighting to easily modify dynamic lighting, dimming controls and sensors across the facility simultaneously. Pair PoE with tunable white technology to support circadian rhythms and improve learning experiences.

Visit hew.com/poe to learn more.

Enabling smart building automation



H.E. WILLIAMS, INC.

831 West Fairview Ave | Carthage, MO 64836 417-358-4065

hew.com