Lighting for Educational Facilities

H.E. WILLIAMS, INC.
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.
Content

4 Lighting for Education
6 Dining & Common Areas
10 Libraries
14 Classrooms
18 Auditorium & Lecture Halls
22 Athletic Centers
26 Corridors & Stairwells
30 Office & Administrative
34 Egress
38 Site Lighting
42 Human-centric Lighting
44 Connected Lighting
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.
MX | 2 & 4 Inch Continuous Ambient
- Create elegant spaces with a seamless, continuous row of illumination
- Design spaces quickly with the Linear Product Builder
- Flat, glowing edge, drop and ingressed 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

LT | Troffer
- High-efficacy fixture delivers up to 140 lm/W
- Easily change the color temperature on-site with helispot®CCT
- DLC Premium qualified

AX | 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

2A, 4AR & 6AR | Adjustable Downlights
- Adjustable aim with 0° - 45° tilt and 360° rotation
- Beam angles ranging from 15° narrow to 55° wide for tailored performance
- Etched degree markers and directional indicator make it simple to fine-tune the illumination angle

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’
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 dim-to-warm technology to create a calm, relaxing ambience.
Liberrystar® Libraries

MX | 2 & 4 Inch Continuous Ambient
- Creates elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, glowing edge, drop and recessed lens, 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

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

4C, 6C, 8C | 4, 6, & 8 Inch LED Cylinder
- Comprehensive list of mounting options – pendant, cable, power cord, wall and ceiling
- Superior optical control with beams as narrow as 8° and field-changeable optics as wide as 70°

2D, 4D & 6D | 2, 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

RND | Round Architectural
- Supplies soft, uniform ambient illumination
- Combines multiple mounting types to create unique and modern spaces
- Available in diameters up to 4’
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.

Encouraging improved student performance

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.
LT | Troffer
- High-efficiency fixture delivers up to 140 lm/W
- Tunable white available
- Easily change the color temperature on-site with fieldselect®

AP | Edge-lit Arched Panel
- Gently curved aperture provides soft even illumination
- Slim 3-3/4” depth for shallow plenum applications
- Seamless design prevents light leak

LP | Edge-lit Flat Panel
- Uniform ambient illumination reduces glare and student fatigue
- Easy to install without the use of tools
- Skylight, surface mount and parabolic louver kits provide design continuity
- DLC qualified

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

AXA | Contoured Louver
- Contoured housing, end caps and louver provide an attractive source of direct lighting
- Design elements on side panels add interest while producing subtle uplight
- Tunable white available

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
180° | 8 Inch High Output Downlight
- High-output illumination for tall ceiling applications
- Beam angles ranging from 35º narrow to 65º wide for tailored performance
- Open reflector with 9 finishes to complement any interior style

20, 40 & 60 | 2, 4 & 6 Inch Downlight
- Beam angles ranging from 8º spot to 65º wide for tailored performance
- Die cast trim includes flush, regressed or wall wash lens
- Energy Star Certified

MX | 2 & 4 Inch Continuous Architectural
- Create elegant spaces with a seamless, continuous row of illumination
- Versatile with recessed, surface, suspended and in-wall mounting
- Flat, glowing edge, drop and regressed lenses give designers a variety of looks

AT | Architectural Troffer
- Backlit curved lens provides uniform backlit and visual comfort
- Three unique styles create a highly-aesthetic presence
- Tunable color available

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
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, high-output 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
- Tailored performance with narrow, medium and wide distributions and lens options

GL | 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

GH | Compact Modular High Bay
- Available with Williams LINKTair wireless fixture controls
- Scalable footprint and variable lumen outputs
- Variety of mounting options for surface and suspended applications

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

4C, 6C, 8C | 4, 6, & 8 Inch LED Cylinder
- Precision engineered extruded aluminum housings mated to die-cast aluminum trim face for clean aesthetics
- Variety of cord colors available in standard or braided for custom design
- Assortment of finishes complement architectural elements

2D, 4D & 6D | 2, 4 & 6 Inch Downlight
- Optional non-conductive lens for shower applications
- Beam angles ranging from 8º spot to 65º wide for tailored performance
- Optional vandal-resistant design for vandal prone areas
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.
LT | Troffer
- High-efficacy fixture delivers up to 140 lm/W
- Easily change the color temperature on-site with fieldseCCT®
- DLC Premium qualified

CK | 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

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

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

4C, 6C, 8C | 4, 6, & 8 Inch LED Cylinder
- Innovative TrimLock® reflector retention system ensures trim remains flush with cylinder face
- Unique TwistLock surface mount technology ensures a simple and secure installation

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’
Preparation of 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.
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

PT | Shallow Plenum Troffer
- Recessed, surface and retrofit kit preserve continuity
- Slim 2-3/8” for minimal plenum space and low-profile surface mount
- Easily change the color temperature on-site with fieldselect®

CT | Shallow Plenum Curved Troffer
- Maximize energy savings with efficacies up to 132 lm/W
- Slim depth for shallow plenum applications
- Fully room-side accessible
- DLC Premium qualified

CX | Continuous Cove
- Provides soft, uniform lensed illumination for contractors and extruded coves
- Field-adjustable to the inch ensures perfect fit
- Design spaces quickly with the Linear Product Builder

1SF | Under Cabinet
- Delivers uniform, glare-free task lighting for work areas
- Small profile installs inconspicuously in certified spaces
- Available with attractive rocker switch for easy on/off

2D, 4D & 6D | 2, 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 lenses
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 edge-lit panel provides consistent, uniform illumination
- Compact, low-profile design
- Ceiling, side, wall mount or recessed

EXIT/ELP | Lightpipe Exit & Emergency
- Ultra-bright, long-lasting LEDs
- Lightpipe-emergency light
- Custom messages available
- 90 minutes of emergency operation

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, energy-efficient 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.
VA | Voltaire Area Light
- 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 unique styles – archilinear and triarc
- Aesthetically designed to harmonize with a variety of architectural styles
- Provides security and accent lighting for walkways, courtyards and entrances

OS | Concrete & Aluminum Bollards
- Square and round styles available in 6 inch to 12 inch diameters
- Easy access to internal components
- Complements gardens, pathways and pedestrian area applications
Elevate your space and improve sleep quality, alertness and decrease social jet lag with BIOS SkyBlue® technology in our high-performance luminaires.

As the industry-leading circadian LED solution, BIOS SkyBlue contributes toward satisfying Circadian Lighting Design Feature 54 under the WELL Building Standard™ v1 and Feature L03 under the WELL Building Standard v2.

Tunable Color
Create rich, vibrant designs with lasting visual impact using the full visible light spectrum.

Tunable White
Support human-centric design through adaptive, individualized lighting using tunable white light.

Dim to Warm
Create a comfortable, welcoming ambience with the familiar glow of incandescents using warm dimming LEDs.

fieldselect®
Cater to personal preferences with three switchable CCT settings, providing color temperature flexibility – 3000K, 3500K and 4000K.

Visit hew.com/dynamic to learn more.
Empower your properties to function at a higher level by incorporating PoE lighting technology.

Maximize employee comfort and productivity with smart sensors and environmental monitoring.

Accurately assess and manage each location by aggregating your properties’ utilization data.

Merge lighting information and business transactions to optimize lighting and space conditioning to maximize sales.

Use networked lighting to automate separate IP systems into one easily controlled solution.

Maximize building efficiencies with simple-to-integrate sensors and PoE technology.

hew.com/poe