

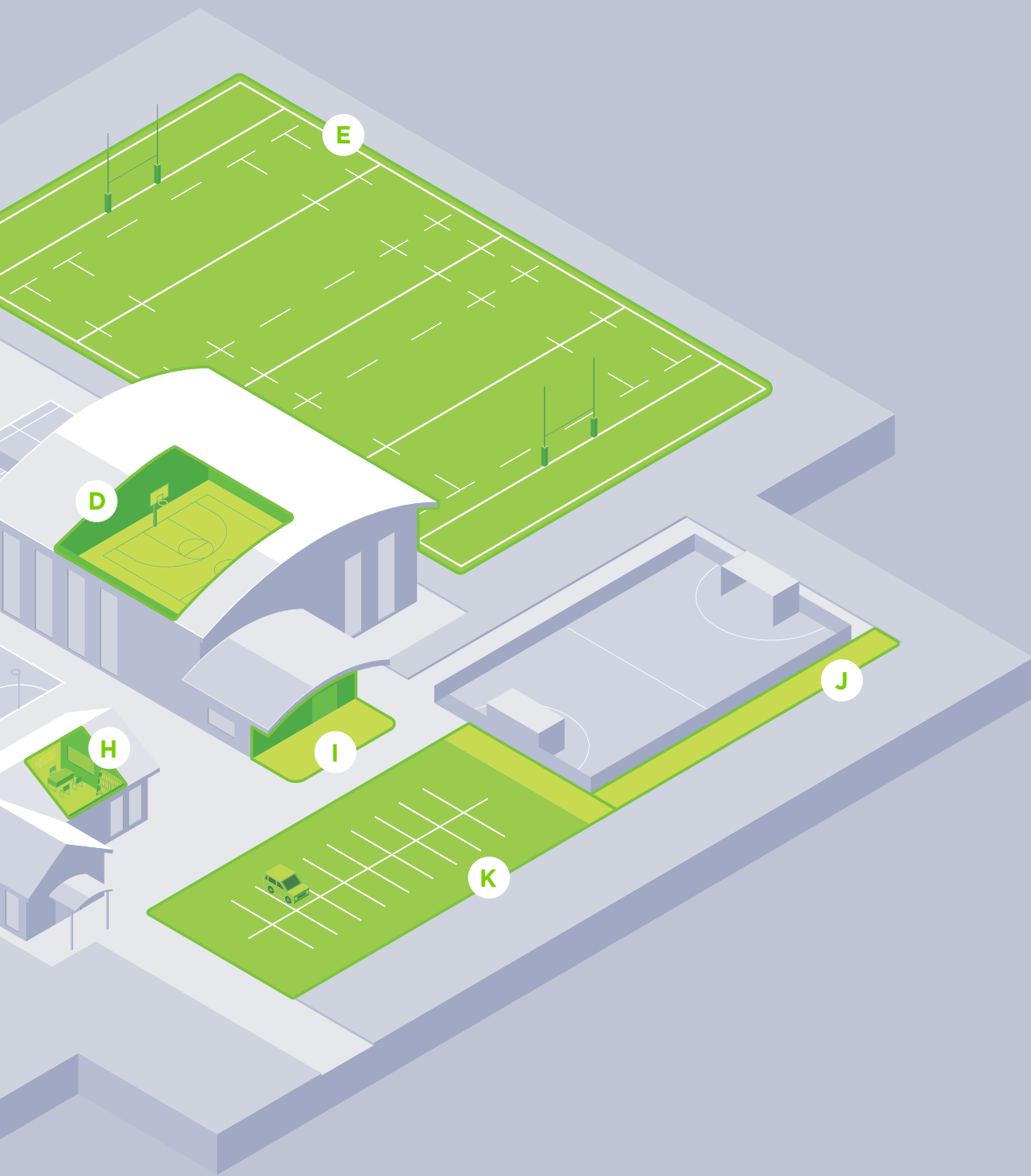
SCHOOL APPLICATION GUIDE



BRIGHT IDEAS FOR EVERY SPACE

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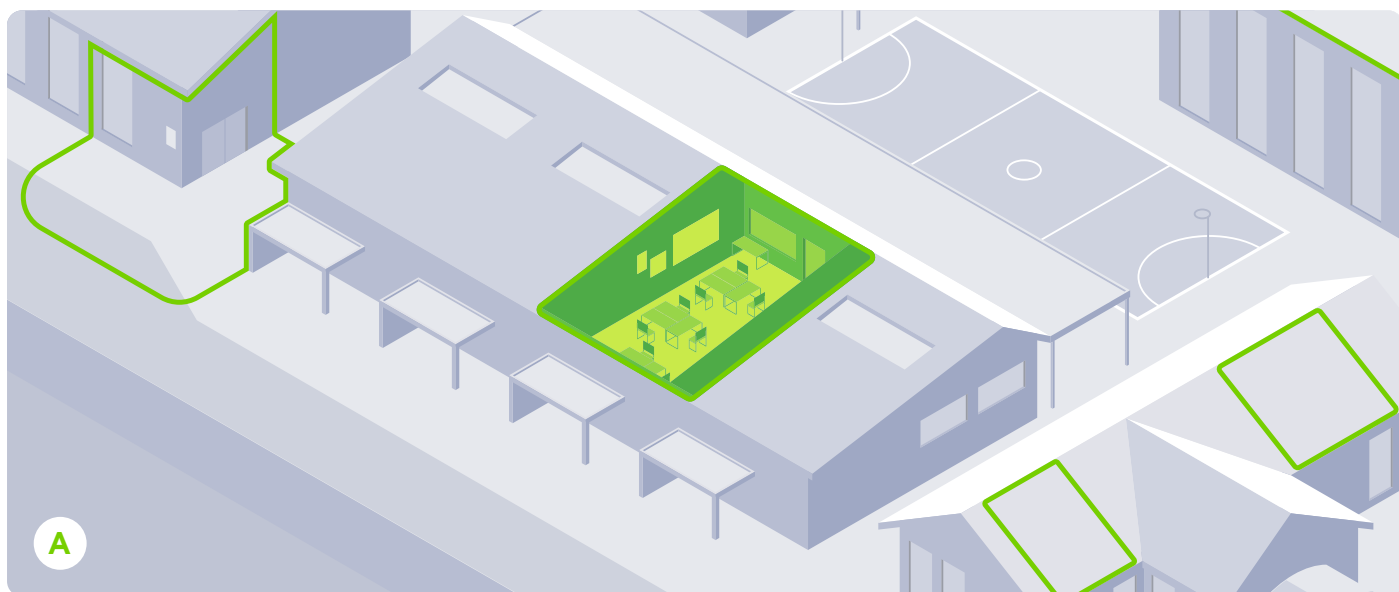
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GENERAL LEARNING SPACES

Classrooms are environments where children learn, play, and create, making them essential for their development.

Lighting plays a big part in how they feel in the space. It should be visually comfortable and non-distracting to help students focus for extended periods without experiencing discomfort from glare or flickering lights.

The light quality needs to be excellent to ensure that colours are accurately represented, enhancing visual clarity and bringing their artwork to life. Ultimately, we want the lighting to create an atmosphere that promotes learning.

DESIGN CONSIDERATIONS

- **Visual Comfort:** Low-glare for a comfortable learning environment (UGR19, DQLS requirement).
- **Light Quality:** High CRI (Colour Rendering Index) for accurate colour perception (CRI80 / R9>50, DQLS requirement).
- **Distraction-free:** Use flicker-free drivers.
- **Mounting Options:** Options for suspending luminaires for classrooms with high ceilings.
- **Soft Uplighting:** Direct and indirect pendant luminaires give a more comfortable and even light spread. The indirect light component lights the ceiling, reducing glare and the cave effect caused by dark ceilings.
- **Lighting Control:** Consider dimming options such as DALI-2 and Casambi, along with occupancy and daylight sensors for increased energy efficiency.
- **Whiteboard Lighting:** The whiteboard is to be lit separately and be bright and uniform so students can easily read the contents.

EXCEL

LED LOW-GLARE BATTEN

Designed for education and office environments, Excel is a high-performance, reliable and visually comfortable luminaire.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- CRI>93 & R9>60 for outstanding colour rendering
- High system efficacy of up to 136lm/W for superb energy savings
- 100,000hr Tridonic driver for reliability
- Flicker-free
- Dimmable options include DALI-2 and Casambi control
- Optional uplight accessory that provides soft up-lighting when suspending the Excel



**SCAN ME FOR FULL
PRODUCT INFORMATION**

VALKYRIE

LED LOW-GLARE LINEAR PENDANT

Attractive, low-glare, louvre style linear extruded aluminium pendant that has multiple mounting options and can be linked for continuous lengths and shapes.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Long >54,000 hours lifetime
- Soft up-lighting for increased visual comfort
- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting options
- Linkable for long lengths and shapes
- Dimmable options include DALI-2 and Casambi control

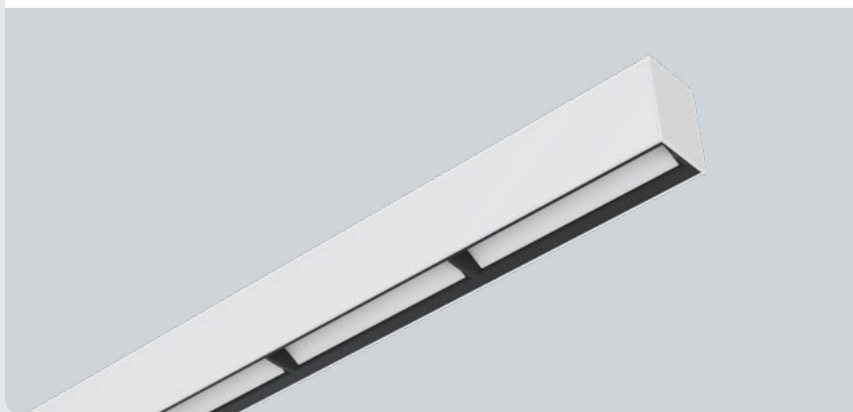


**SCAN ME FOR FULL
PRODUCT INFORMATION**

VALKYRIE WALL WASHER

LED LINEAR WALL WASHER

Designed for lighting up walls and whiteboards in education and office environments.



KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Uniform asymmetric distribution
- Soft up-lighting for increased visual comfort
- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting options
- Long >54,000 hours lifetime
- Dimmable options include DALI-2 and Casambi control

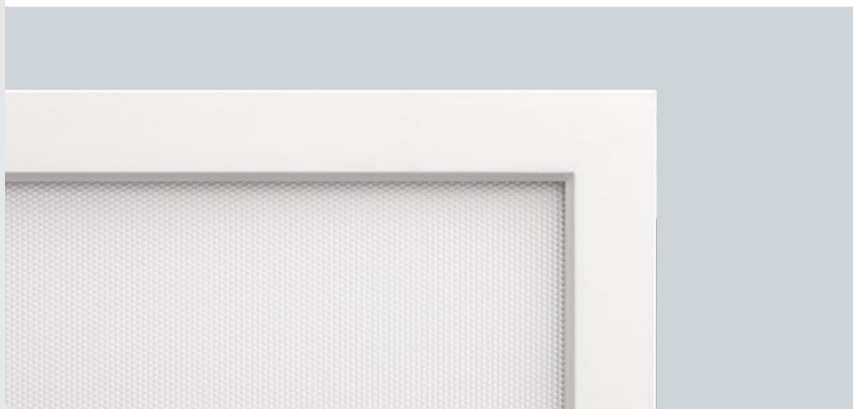


SCAN ME FOR FULL
PRODUCT INFORMATION

SKYPANEL PRO

LOW-GLARE LED PANEL LIGHT

The Sky Panel PRO is a high-performance, low-glare LED panel for education and office environments.

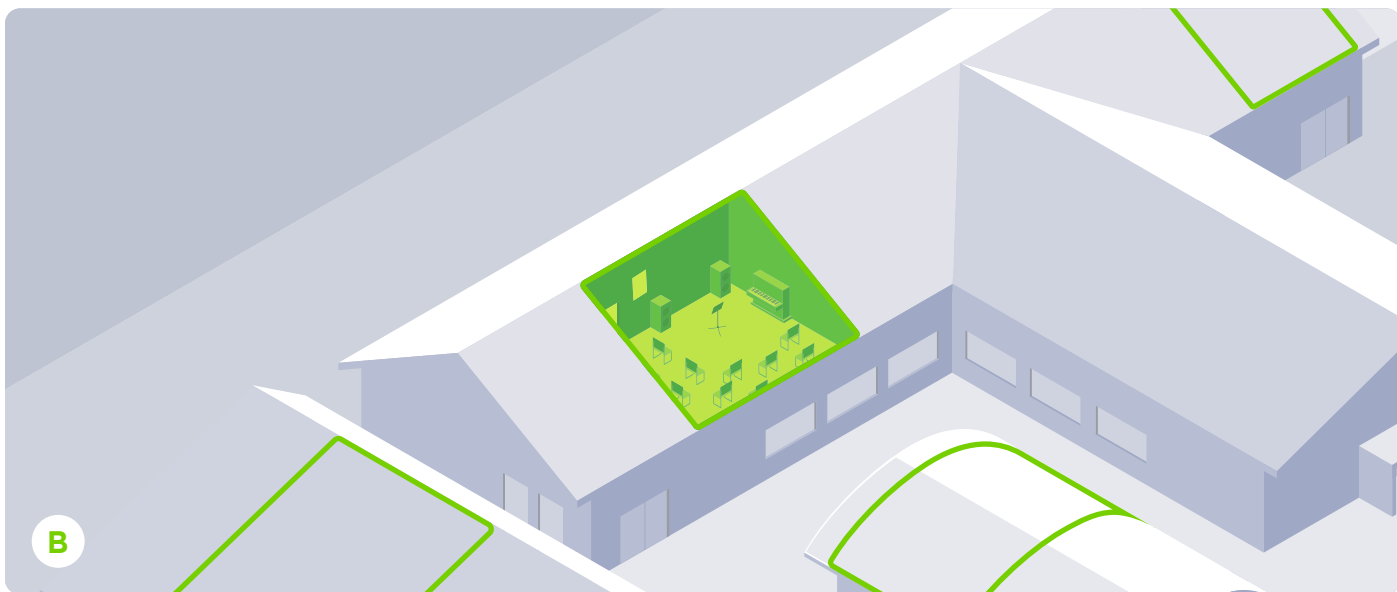


KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- CRI>90 & R9>50 for outstanding colour rendering
- High system efficacy of up to 120lm/W for high energy savings
- 7-year warranty upgrade is available
- Long-lasting, >60,000 hours life
- Flicker-free
- IP54 from the front
- Dimmable options include DALI-2 and Casambi control



SCAN ME FOR FULL
PRODUCT INFORMATION



SPECIALIST LEARNING SPACES

(e.g. art & craft rooms)

From science experiments to experimenting with watercolours, specialist learning spaces cover a variety of classroom activities.

Lighting requirements will vary from class to class, with arts and crafts needing excellent colour rendering to bring the students' creations to life, while music classes want the lighting to be softer and more relaxing for their jam sessions.

DESIGN CONSIDERATIONS

- **Science Labs:** Bright, shadow-free lighting low-glare lighting with at least 300 lux where practical work is conducted.
- **Art Rooms:** High CRI lighting (CRI > 90) for accurate colour perception.
- **Computer Labs:** Low-glare lighting with balanced brightness to minimise screen reflections.
- **Music Rooms:** Combination of dimmable ambient lighting and task lighting.

EXCEL

LED LOW-GLARE BATTEN

Designed for education and office environments, Excel is a high-performance, reliable and visually comfortable luminaire.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- CRI>93 & R9>60 for outstanding colour rendering
- High system efficacy of up to 136lm/W for superb energy savings
- 100,000hr Tridonic driver for reliability
- Flicker-free
- Dimmable options include DALI-2 and Casambi control
- Optional uplight accessory that provides soft up-lighting when suspending the Excel



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VALKYRIE

LED LOW-GLARE LINEAR PENDANT

Attractive, low-glare, louvre style linear extruded aluminium pendant that has multiple mounting options and can be linked for continuous lengths and shapes.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Long >54,000 hours lifetime
- Soft up-lighting for increased visual comfort
- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting option
- Linkable for long lengths and shapes
- Dimmable options include DALI-2 and Casambi control



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VALKYRIE WALL WASHER

LED LINEAR WALL WASHER

Designed for lighting up walls and whiteboards in education and office environments.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Uniform asymmetric distribution
- Soft up-lighting for increased visual comfort
- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting options
- Long >54,000 hours lifetime
- Dimmable options include DALI-2 and Casambi control



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SKYPANEL PRO

LOW-GLARE LED PANEL LIGHT

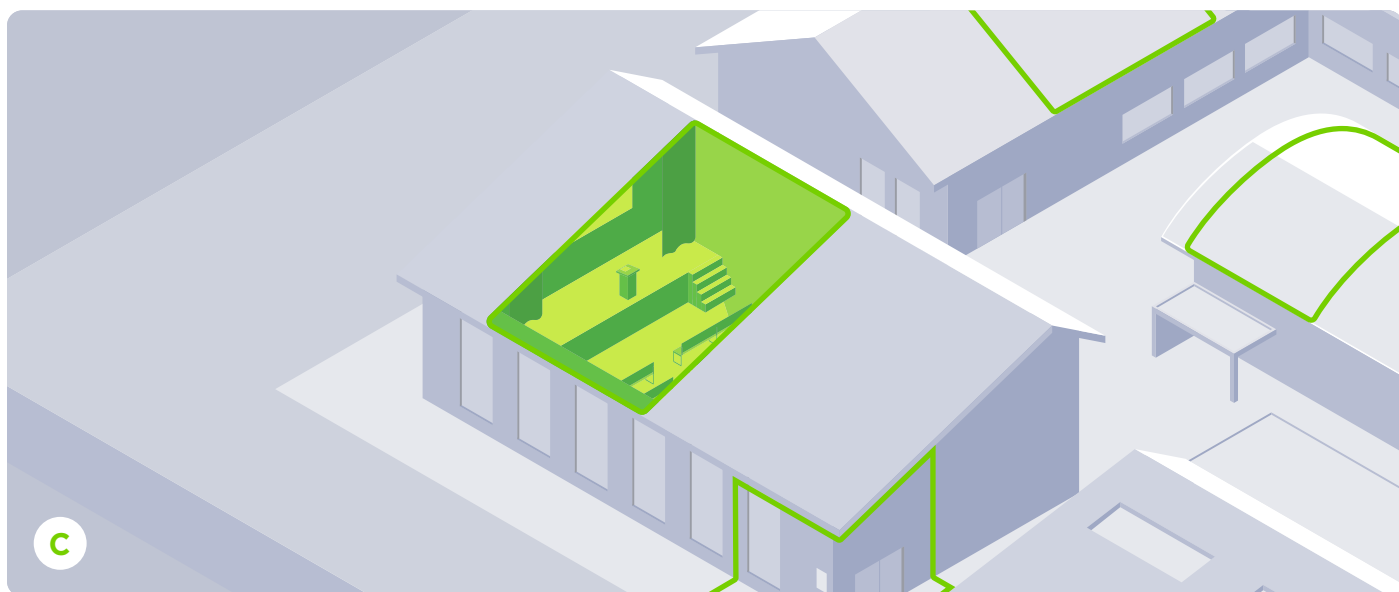
The Sky Panel PRO is a high-performance, low-glare LED panel for education and office environments.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- CRI>90 & R9>50 for outstanding colour rendering
- High system efficacy of up to 120lm/W for high energy savings
- 7-year warranty upgrade is available
- Long-lasting, >60,000 hours life
- Flicker-free
- IP54 from the front
- Dimmable options include DALI-2 and Casambi control



**SCAN ME FOR FULL
PRODUCT INFORMATION**



MULTI-PURPOSE HALLS

A space for general use, social events, performing arts and examinations.

Multi-purpose halls are versatile spaces that can host all kinds of activities, from assemblies and theatrical performances to musical recitals, sports, and community events. To make the most of these versatile venues, it's important to have a lighting design that is flexible, functional, and easy to use, allowing everyone to enjoy the space for various needs.

DESIGN CONSIDERATIONS

Consider the activities that the school may use the space for such as:

- **Performing Arts:** Requires dynamic and adjustable lighting effects. This may mean a stage lighting setup is required.
- **Social Events:** Warm, dimmable lighting for ambience.

- **Meetings, Assemblies, or Exams:** Uniform, bright, low-glare lighting for focus.
- **Sports and Physical Activities:** See our section on Gymnasiums (page 16).

General Lighting Considerations:

- **Mounting Heights:** Install luminaires suitable for high ceilings to ensure even light distribution.
- **Dimmable:** Make the lighting dimmable to adapt to varying activity requirements.
- **Lighting Controls:** Use zoned lighting controls to accommodate different areas (e.g. stage, audience, sports).

EXCEL

LED LOW-GLARE BATTEN

Designed for education and office environments, Excel is a high-performance, reliable and visually comfortable luminaire.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- CRI>93 & R9>60 for outstanding colour rendering
- High system efficacy of up to 136lm/W for superb energy savings
- 100,000hr Tridonic driver for reliability
- Flicker-free
- Dimmable options include DALI-2 and Casambi control
- Optional uplight accessory that provides soft up-lighting when suspending the Excel



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VALKYRIE

LED LOW-GLARE LINEAR PENDANT

Attractive, low-glare, louvre style linear extruded aluminium pendant that has multiple mounting options and can be linked for continuous lengths and shapes.

KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Long >54,000 hours lifetime
- Soft up-lighting for increased visual comfort
- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting options
- Linkable for long lengths and shapes
- Dimmable options include DALI-2 and Casambi control



**SCAN ME FOR FULL
PRODUCT INFORMATION**

STELLA MINI

LOW-GLARE LED ROUND PENDANT

The Stella Mini has a low-glare design thanks to its polycarbonate reflector, making it perfect for educational environments with higher ceiling heights.



KEY FEATURES:

- Wattage selectable 25W/30W/60W
- Ultra-efficient system efficacy of up to 120lm/W
- High-quality Lumileds LED chips and LiFud Driver
- Unobtrusive design
- Polycarbonate reflector for glare control (UGR<19)
- CRI>93 & R9>70 for excellent colour rendering
- 1.5m fabric cable and ceiling rose
- Long lasting with >54,000hrs Lifetime



**SCAN ME FOR FULL
PRODUCT INFORMATION**

STELLA 80W

LOW-GLARE 80W LED HIGHBAY

The Stella 80W has a high output and a low-glare design thanks to its polycarbonate reflector, making it perfect for educational environments like halls with high ceiling heights.



KEY FEATURES:

- Ultra efficient system efficacy of up to 135lm/W
- High quality Lumileds LED chips and Moso Driver
- Replacement for 250W MH of the same style
- Unobtrusive design
- Polycarbonate reflector for glare control (UGR<19)
- CRI>93 & R9>70 for excellent colour rendering
- Long lasting with >54,000hrs Lifetime



**SCAN ME FOR FULL
PRODUCT INFORMATION**

CROWN DOWNLIGHT

PROFESSIONAL SERIES DOWNLIGHT

The Crown is a high-performance, reliable and visually comfortable downlight series. With three sizes and five wattages, the Crown can cover a range of areas and ceiling heights.



KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Available in CRI>90 & R9>50 for outstanding colour rendering
- Latest generation Cree CXA2 LED Chip for the ultimate light quality
- High system efficacy of up to 124lm/W for superb energy savings
- High-performance Tridonic driver for reliability
- Long lasting with >60,000hrs Lifetime
- Flicker-free
- Dimmable options include DALI-2 and Casambi control



**SCAN ME FOR FULL
PRODUCT INFORMATION**



GYMNASIUMS

Gymnasiums are used for a wide range of sports, basketball to gymnastics to badminton.

The lighting should be designed to cover a range of sports. It needs to be bright and even throughout the gym while being comfortable to play under, and when balls are flying, the lighting itself needs to take a hit.

DESIGN CONSIDERATIONS

- **Visual Comfort:** Comfortable levels of glare for playing sports (UGR 22, DQLS Requirement).
- **Light Levels:** High light levels to cover a multitude of sports, including basketball to badminton (500lux).
- **Uniform light:** Lighting should be uniformly bright across the floor and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Impact Resistance:** Use luminaires that are capable of withstanding direct hits from balls (have an IK10 rating) and are shatterproof to prevent debris from falling onto players if hit.
- **Adjustable Lighting:** Use dimmable LED fixtures to accommodate various activities.
- **Long-life:** Use long-life LED light fittings to reduce the need for frequent replacements and minimise maintenance costs.

SHIELD

SPORTS HALL LINEAR LIGHT

The Shield is one tough luminaire with its integrated ball-proof wire guard.

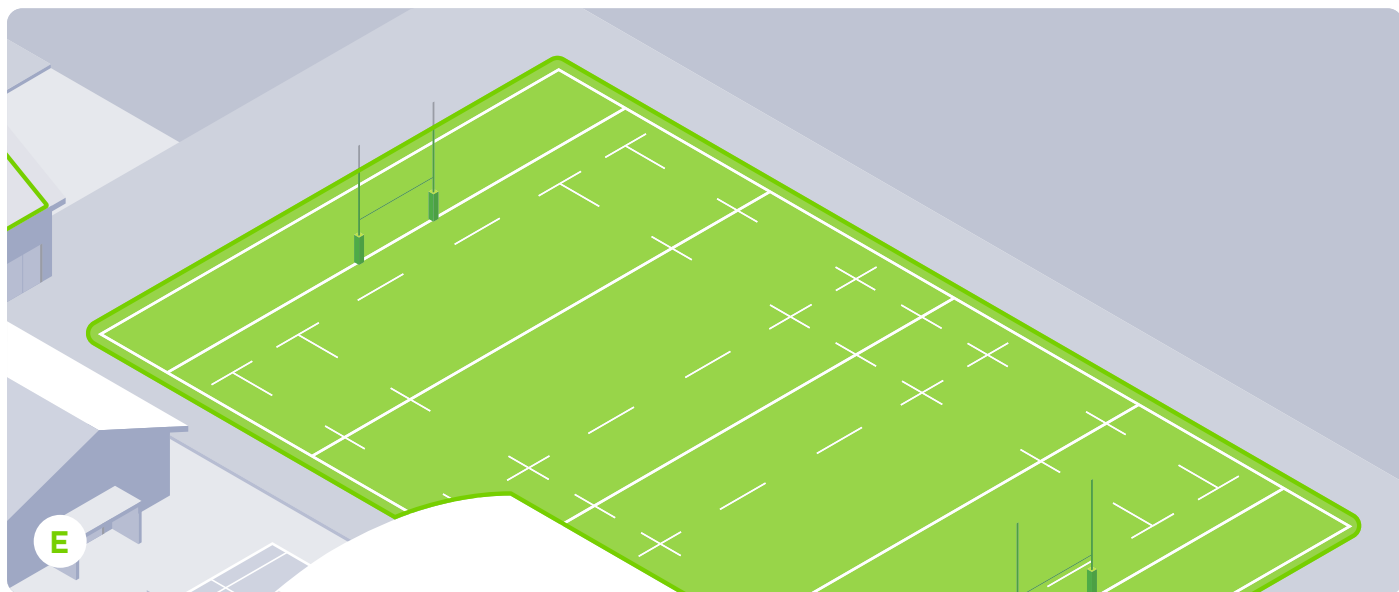


KEY FEATURES:

- Ball proof construction with wire guard
- Ultra-efficient system efficacy of up to 163lm/W
- Long lifetime of >100,000hrs to L80
- Low UGR of 22 for improved visual comfort
- Asymmetric and symmetric beam angles available
- Multiple mounting options
- Easy access wiring design
- DALI dimming option



**SCAN ME FOR FULL
PRODUCT INFORMATION**



SPORTS FIELDS

Having the right lighting on school sports fields is important to keep everyone safe, help players see better, and maximise the use of the fields during evenings and nights.

DESIGN CONSIDERATIONS

- **Purpose:** Identify the sports to be played (e.g. soccer, rugby, hockey) and whether the field will host competitive events or practice sessions.
- **Spill Light:** Consider lighting that has low tilt angles with more controlled light to prevent light trespass. Shields can be used in cases where neighbouring areas are very close.
- **Long Life:** Use long-life LED light fittings to reduce the need for frequent replacements and minimise maintenance costs.
- **Low Running Costs:** Energy efficient sports lighting can help reduce running costs.

TITAN

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Titan is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements, from Tennis to Rugby. Our unique design enables us to use less product.



KEY FEATURES:

- Ultra-high system efficiency of up to 145lm/W
- High quality Lumileds LED Chips
- Long >102,000 hours lifespan to L70
- Flexible 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single-driver design for easy remote mounting
- DALI-2 and CLO function
- High quality AkzoNobel anti-corrosion powder-coating

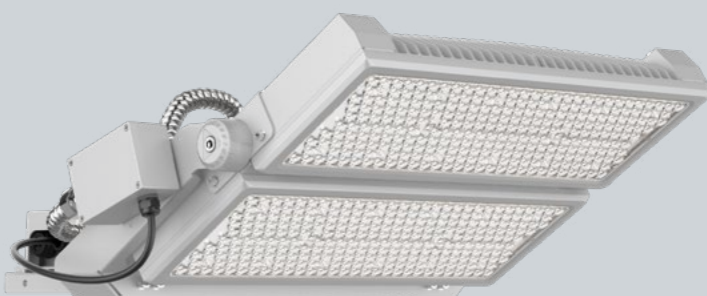


**SCAN ME FOR FULL
PRODUCT INFORMATION**

STRIKER

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Striker is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements. Our unique optic design enables us to use less product while achieving excellent results.

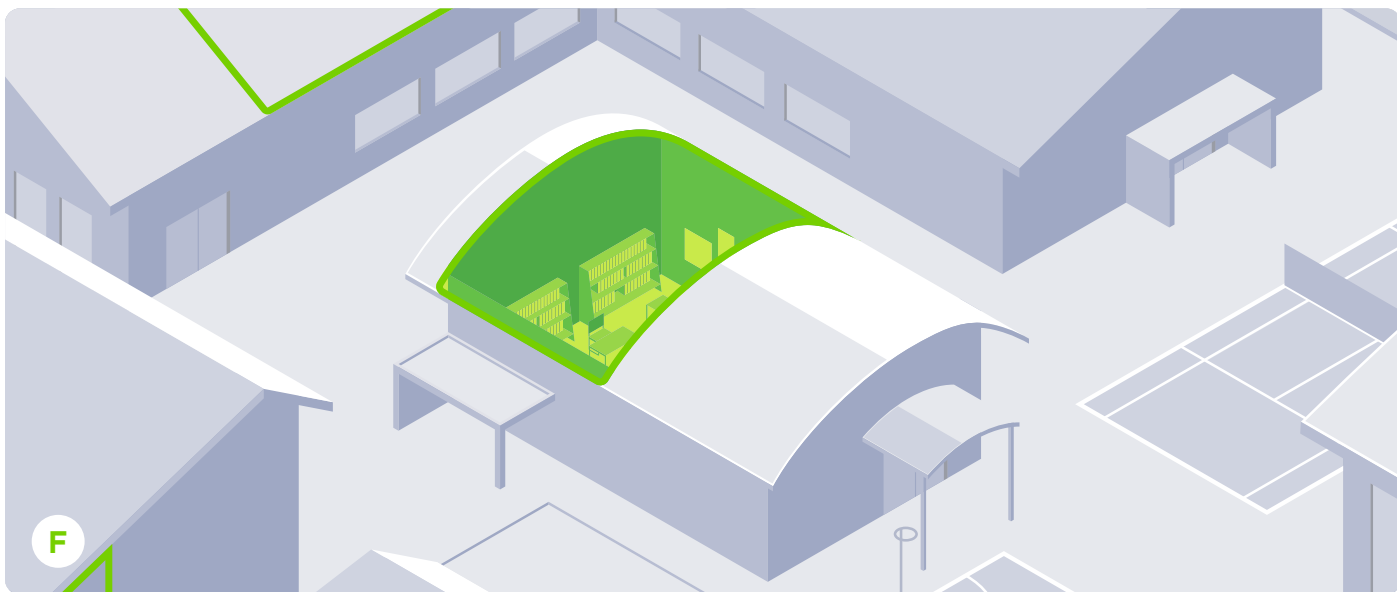


KEY FEATURES:

- Massive light output of up to 279,000lm
- Ultra-high system efficiency of up to 155lm/W
- Long >96,000 hours lifespan to L90
- 198-440Vac Input voltage
- Professionally designed asymmetric optics provide excellent spill light control
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- 10 year Warranty



**SCAN ME FOR FULL
PRODUCT INFORMATION**



LIBRARIES

Libraries are comfortable, welcoming spaces where students can cosy up with a book or dive into their studies for hours.

Having the right lighting is essential in creating a calm and focused atmosphere. Good lighting ensures easy navigation, while uniformly lit bookshelves enhance accessibility and visibility.

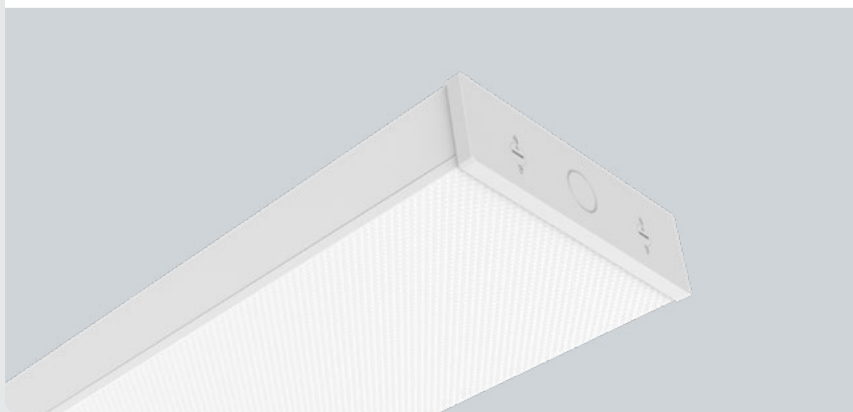
DESIGN CONSIDERATIONS

- **Task Lighting:** Ensures sufficient illumination for reading, writing, and computer use.
- **Shelf Lighting:** Facilitates easy navigation and good vertical illumination.
- **Lighting Quality:** Ensure high uniformity, low-glare, and proper illuminance to enhance visual comfort and maintain focus for extended periods.
- **Visual Comfort:** Use comfortable low-glare lighting for optimal comfort during reading or computer use (UGR19, DQLS requirement).
- **Direct and Indirect Luminaires:** Provide balanced lighting to reduce eye strain.
- **Linear Pendants:** Utilise linear pendant lights for a streamlined lighting solution.

EXCEL

LED LOW-GLARE BATTEN

Designed for education and office environments, Excel is a high-performance, reliable and visually comfortable luminaire.



KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- CRI>93 & R9>60 for outstanding colour rendering
- High system efficacy of up to 136lm/W for superb energy savings
- 100,000hr Tridonic driver for reliability
- Flicker-free
- Dimmable options include DALI-2 and Casambi control
- Optional uplight accessory that provides soft up-lighting when suspending the Excel



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VALKYRIE

LED LOW-GLARE LINEAR PENDANT

Attractive, low-glare, louvre style linear extruded aluminium pendant that has multiple mounting options and can be linked for continuous lengths and shapes.

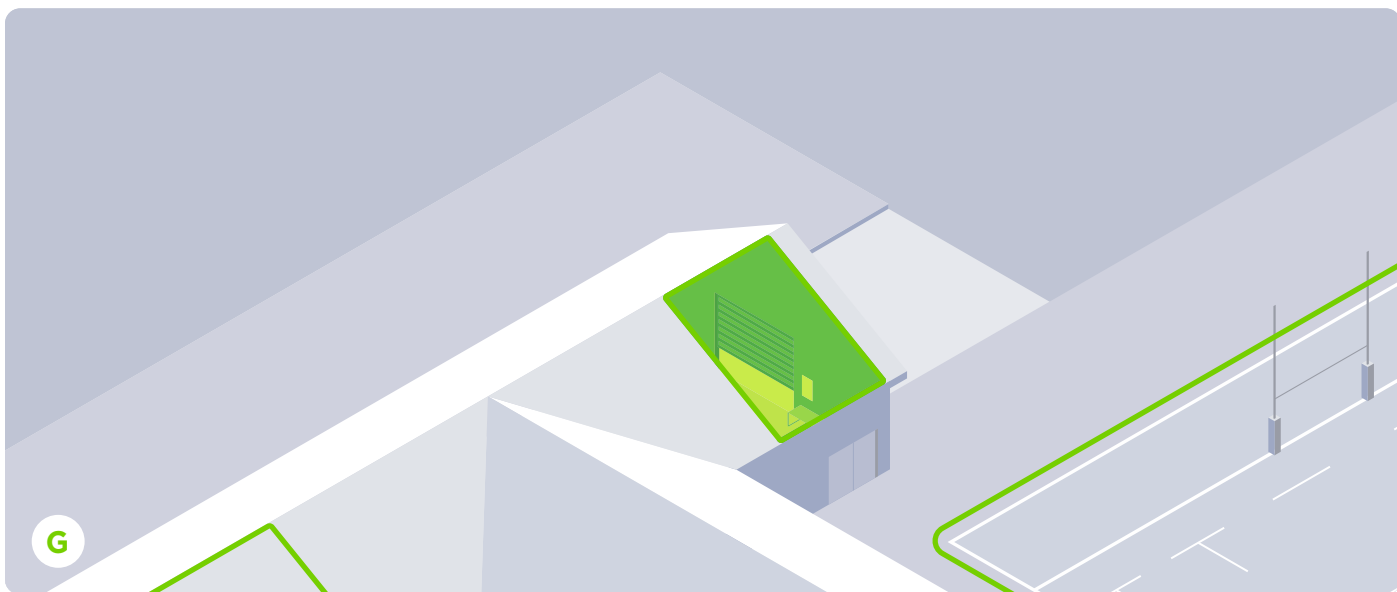


KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Long >54,000 hours lifetime
- Soft up-lighting for increased visual comfort
- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting options
- Linkable for long lengths and shapes
- Dimmable options include DALI-2 and Casambi control



**SCAN ME FOR FULL
PRODUCT INFORMATION**



WORKSHOPS/ TECHNOLOGY SPACES

Effective lighting in school workshops is essential for ensuring safety, precision, and productivity in spaces where students engage in practical tasks like woodworking, metalwork, and crafting.

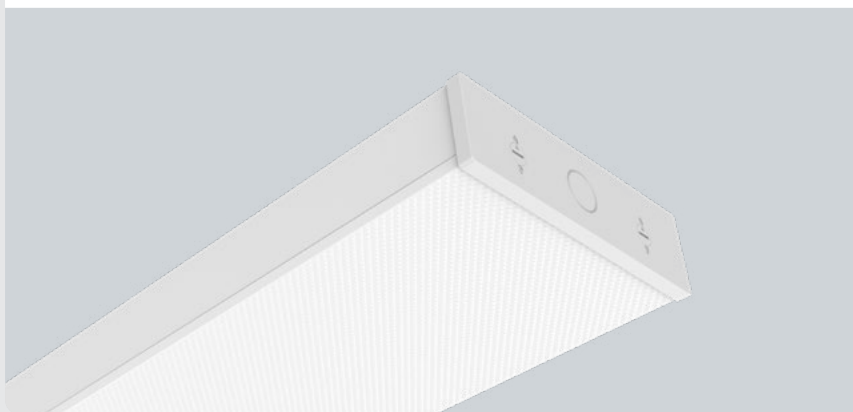
DESIGN CONSIDERATIONS

- **Illuminance:** Maintain a minimum average of 300 lux (DQLS requirement) for general task areas.
- **Task Lighting:** Provide task lighting specific to equipment or work areas for enhanced visibility.
- **Uniformity:** High uniformity reduces shadows and enhances visibility, creating a safer and more functional workspace.
- **Glare Control:** Use low-glare lighting to minimise glare risks, especially near hazardous equipment (UGR19, DQLS requirement).
- **Durability:** Choose luminaires with robust construction and appropriate IP ratings to withstand dust, vibrations, and potential impacts.
- **Emergency Lighting:** Ensure adequate illumination, especially around hazardous equipment, for safe egress in case of power outages or emergencies.

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STELLA 80W

LOW-GLARE 80W LED HIGHBAY

The Stella 80W has a high output and a low-glare design thanks to its polycarbonate reflector, making it perfect for educational environments like halls with high ceiling heights.



KEY FEATURES:

- Ultra efficient system efficacy of up to 135lm/W
- High quality Lumileds LED chips and Moso Driver
- Replacement for 250W MH of the same style
- Unobtrusive design
- Polycarbonate reflector for glare control (UGR<19)
- CRI>93 & R9>70 for excellent colour rendering
- Long lasting with >54,000hrs Lifetime



**SCAN ME FOR FULL
PRODUCT INFORMATION**



OFFICES

Lighting in school offices can create a functional, energy efficient, and visually comfortable lighting environment that enhances productivity and well-being.

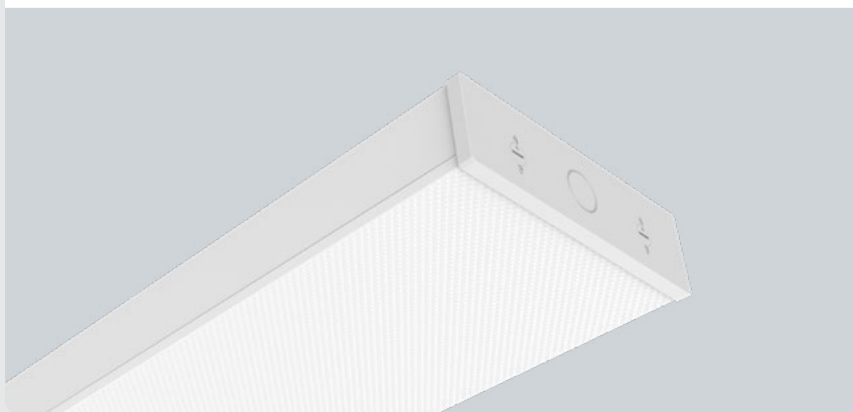
DESIGN CONSIDERATIONS

- **Visual Comfort:** Ensure sufficient illumination to prevent eye strain, particularly for tasks like reading, writing, and computer use.
- **Energy Efficiency:** Opt for energy efficient lighting systems to align with New Zealand's sustainability goals and reduce operational costs.
- **Adaptability:** Design lighting systems that accommodate varying tasks and preferences.

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- CRI>90 & R9>50 for excellent colour rendering
- Surface and suspended mounting options
- Linkable for long lengths and shapes
- Dimmable options include DALI-2 and Casambi control



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CIRCULATION SPACES, CORRIDORS, STAIRS & LOBBIES

Lobbies play a vital role for students, staff, and visitors, serving as great places to find information and connect with others.

The lighting in these adaptable spaces should be flexible, since they're used for many purposes, like guiding traffic, sharing important messages, and showcasing school projects and artwork.

Good lighting in hallways not only makes the space feel inviting but also helps everyone navigate safely. When it comes to staircases, having proper lighting is super important for visibility and safety. Additionally, using motion sensors can reduce energy consumption.

DESIGN CONSIDERATIONS

- **Lobbies:** Provide flexibility, ensure adequate brightness, and create a welcoming atmosphere.
- **Corridors:** Adequate brightness is essential for safety and navigation. For energy savings, install motion sensors to activate lights only when needed, particularly in areas with intermittent use.
- **Staircases:** Provide bright and consistent lighting to ensure visibility and safety.

GRADUATE

LED SURFACE MOUNTED WIDE BATTEN

The Graduate is a high performance wide batten with a popular shape. Perfect for spaces needing a linear batten without the requirement for low-glare.

KEY FEATURES:

- Tridonic driver for reliability
- High strength polycarbonate diffuser
- Ultra long 60,000 hours life @L70
- Up to 110lm/W efficacy
- Flicker Safe
- Even light distribution
- Dimmable options available



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PRODUCT INFORMATION

SOL

LED CEILING BUTTON

The SOL is a modern looking ceiling button with a wide comfortable light distribution. Perfect for corridors, changing rooms, storage areas etc.

KEY FEATURES:

- Modern design with a large diffuser for visual comfort
- Long 50,000 hours lifespan
- Suitable for indoor and outdoor use (IP54)
- Selectable colour temperature (3000K/4000K)
- Selectable wattage (10W/20W)
- Available with a motion sensor
- Available in black and white colours



SCAN ME FOR FULL
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CROWN DOWNLIGHT

PROFESSIONAL SERIES DOWNLIGHT

The Crown is a high-performance, reliable and visually comfortable downlight series. With three sizes and five wattages, the Crown can cover a range of areas and ceiling heights.

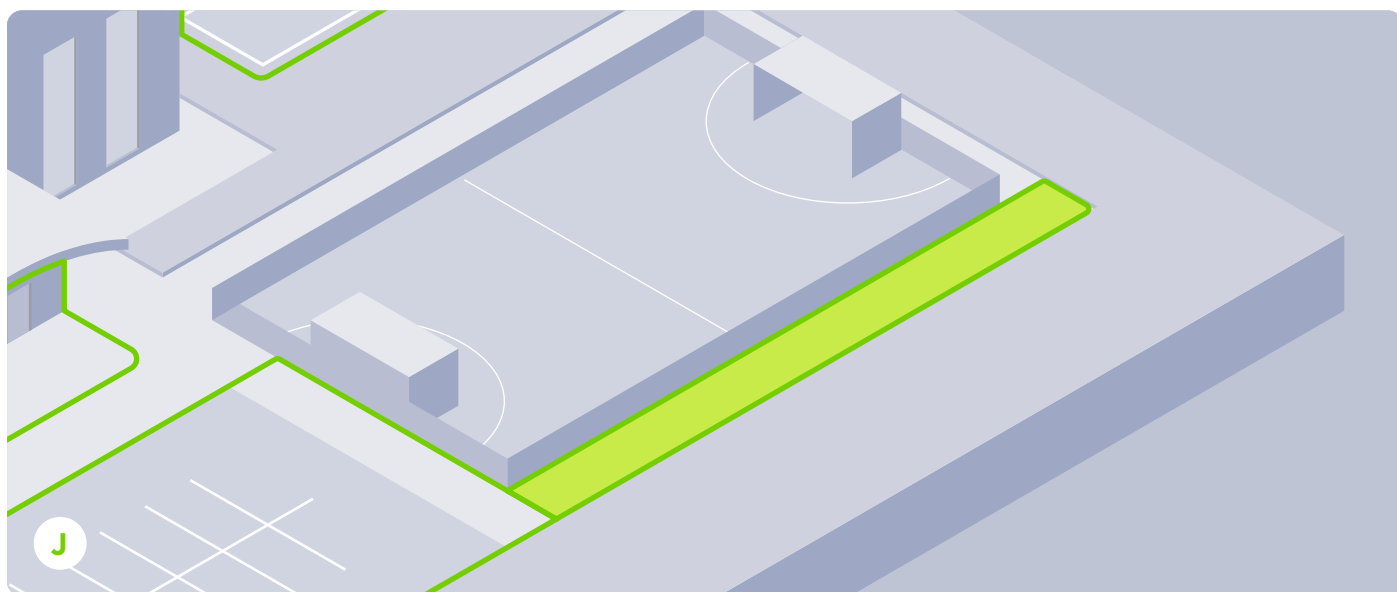


KEY FEATURES:

- Low-glare for excellent visual comfort (UGR<19)
- Available in CRI>90 & R9>50 for outstanding colour rendering
- Latest generation Cree CXA2 LED Chip for the ultimate light quality
- High system efficacy of up to 124lm/W for superb energy savings
- High-performance Tridonic driver for reliability
- Long lasting with >60,000hrs Lifetime
- Flicker-free
- Dimmable options include DALI-2 and Casambi control



**SCAN ME FOR FULL
PRODUCT INFORMATION**



EXTERIOR PATHWAYS

Lighting exterior pathways in schools is essential to ensure safety, visibility, and an inviting atmosphere for students, staff, and visitors. Proper lighting helps prevent accidents, reduces crime risks, and supports wayfinding.

DESIGN CONSIDERATIONS

- **Safety and Security:** Prevent trips, slips, and falls and deter potential criminal activity.
- **Comfort and Functionality:** Ensure pathways are well-lit without causing glare or discomfort.
- **Energy Efficiency:** Use LED luminaires for high efficiency and low maintenance costs.
- **Light Pollution:** Use appropriate luminaires to minimise wasteful upward light and trespass light into neighbouring properties.
- **Colour Temperature:** Use 3000K-4000K LED lights for a balance between visibility and ambience.
- **Durability and Weather Resistance:** Select IP65-rated luminaires for dust and water protection, and durable materials like powder-coated aluminium.
- **Lighting controls:** Consider timer controls for lighting schedules aligned with school operating hours.
- **Lighting options:**
 - Bollards: For aesthetic, low-level lighting.
 - Pole-Mounted Fixtures: Broader coverage for wide pathways.

BITTA

PROFESSIONAL URBAN BOLLARD LIGHT

The Bitta Bollard has a clean design with excellent performance. Its custom optics provide a comfortable low-glare experience with excellent light coverage.



KEY FEATURES:

- Excellent system efficacy of 78lm/W
- High quality Lumileds LED chips and Meanwell Driver
- Long lasting, >72,000 hours life to L80
- Strong base plate for secure installation
- Self cleaning design
- Easy connectivity with the built-in junction box
- Low-glare design
- Dark Sky friendly 3000K
- Hyper durable Interpon Fluorocarbon coating



**SCAN ME FOR FULL
PRODUCT INFORMATION**

CITTA

PROFESSIONAL URBAN AREA LIGHT

The Citta urban area light is high performance and flexible with plenty of features and options. The available light distributions cover both pathways and open areas.



KEY FEATURES:

- Ultra efficient system efficacy of up to 127lm/W
- High quality CREE LED chips
- Long lasting, >60,000 hours life to L80
- Tool free maintenance
- Self cleaning design
- Photocell options
- Integrated Microwave Motion sensor option
- AstroDIM for autonomous dimming
- Dark Sky friendly (at 3000K)
- AkzoNobel polyester coating for excellent weatherability

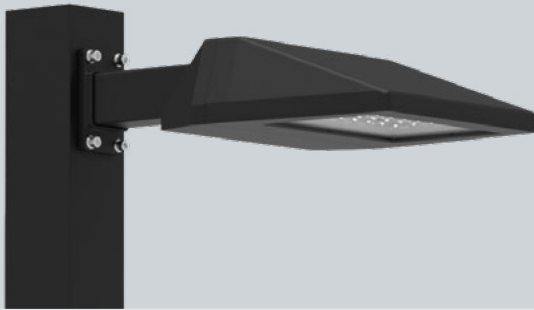


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PRODUCT INFORMATION**

SENTRY

HIGH PERFORMANCE AREA LIGHT

The Sentry area light has a sleek modern design with a hidden heatsink. Its flexible mounting options allow for both wall and pole mounting, providing continuity in appearance throughout the school.

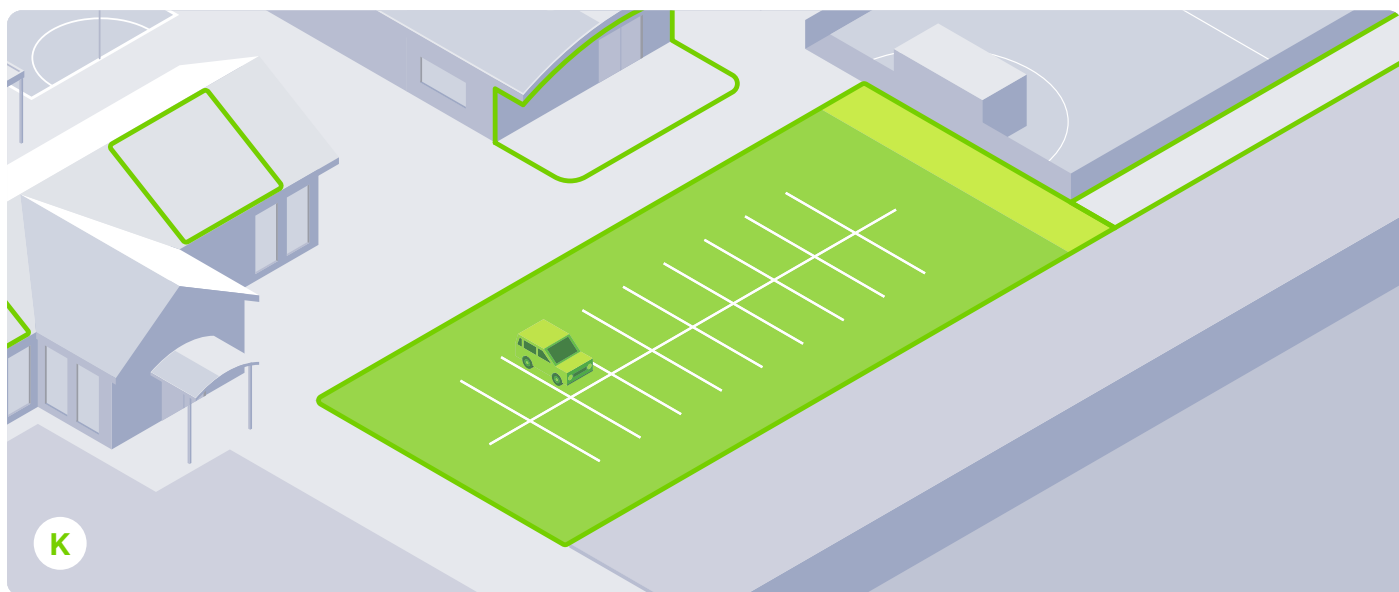


KEY FEATURES:

- Modern smooth design
- Ultra efficient system efficacy of up to 160lm/W
- High quality Lumileds LED chips
- Long lasting, >102,000 hours life to L70
- Self cleaning design
- Internal glare shields available
- Dark Sky friendly (at 3000K, 2200K)
- Interpon polyester coating for excellent weatherability



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PRODUCT INFORMATION**



CAR PARKS

Effective lighting for school exterior car parks ensures safety, enhances visibility, and minimises environmental impacts.

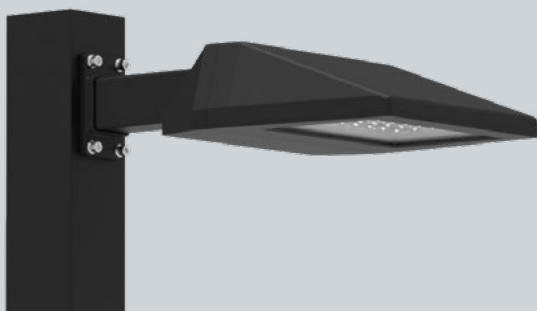
DESIGN CONSIDERATIONS

- **Pedestrian Safety:** Ensure pathways and crossings are well-lit to prevent accidents.
- **Crime Prevention:** Provide adequate lighting to deter theft and vandalism.
- **Uniform Illumination:** Avoid dark spots that compromise visibility.
- **Light Pollution:** Use appropriate luminaires to minimise wasteful upward light and trespass light into neighbouring properties.
- **Local Council Requirements:** Meet local council requirements for light spill and glare.
- **Control Systems:** Consider dimming features for late-night operations to reduce energy usage and light pollution.

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HIGH PERFORMANCE AREA LIGHT

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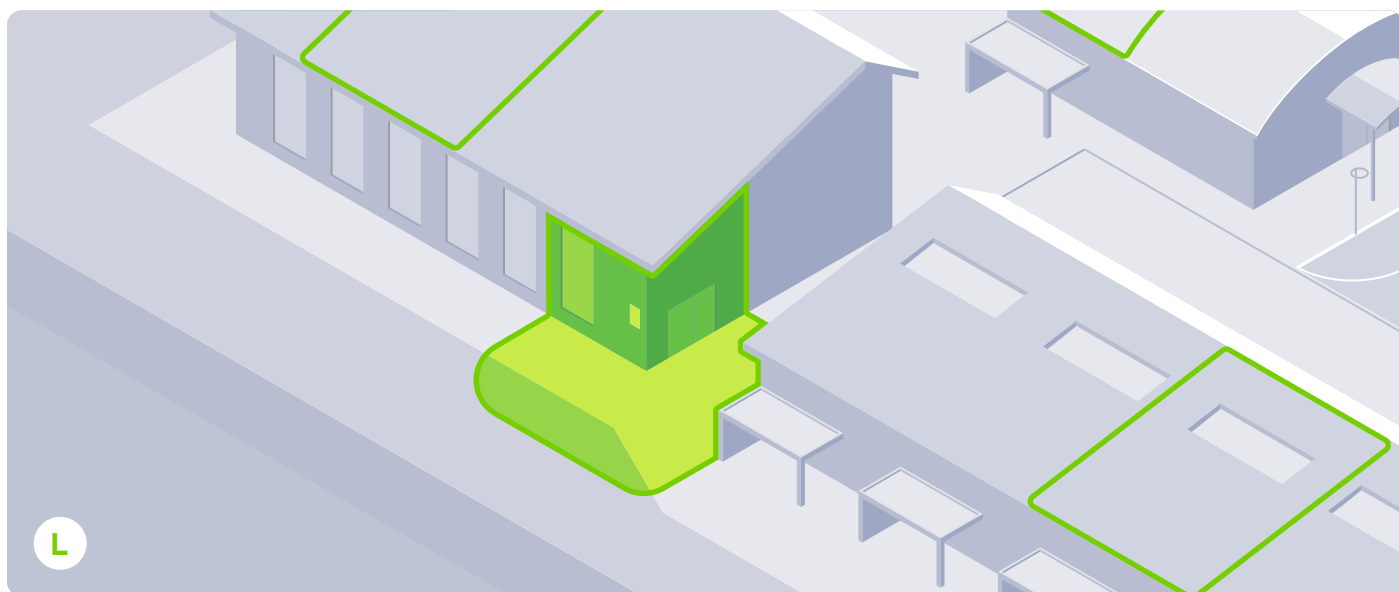


KEY FEATURES:

- Modern smooth design
- Ultra efficient system efficacy of up to 160lm/W
- High quality Lumileds LED chips
- Long lasting, >102,000 hours life to L70
- Self cleaning design
- Internal glare shields available
- Dark Sky friendly (at 3000K, 2200K)
- Interpon polyester coating for excellent weatherability



**SCAN ME FOR FULL
PRODUCT INFORMATION**



SECURITY

Security lighting helps keep our school safe after hours by activating when someone enters the premises. It is designed to provide natural surveillance, work effectively with CCTV systems, and discourage any unwanted visitors.

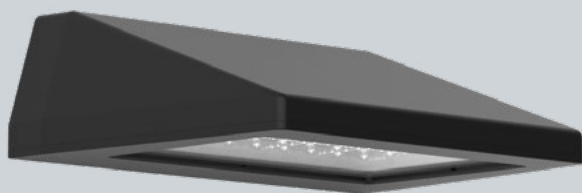
DESIGN CONSIDERATIONS

- **Motion sensors:** Motion sensors can surprise intruders and encourage them to leave. They alert trespassers that they are in a monitored area and help notify neighbours and passers-by of any potential trouble. Independent motion sensors provide more flexibility and reliability.
- **Mounting:** Mount lights and sensors high so they can't be easily vandalised or tampered with.
- **CCTV Cameras:** Make sure lighting complements CCTV cameras. LED lighting provides nice, clear light for capturing colours accurately.
- **Light Pollution:** Use appropriate luminaires to minimise wasteful upward light and trespass light into neighbouring properties.

SENTRY

HIGH PERFORMANCE AREA LIGHT

The Sentry area light has a sleek modern design with a hidden heatsink. Its flexible mounting options allow for both wall and pole mounting, providing continuity in appearance throughout the school.



KEY FEATURES:

- Modern smooth design
- Ultra efficient system efficacy of up to 160lm/W
- High quality Lumileds LED chips
- Long lasting, >102,000 hours life to L70
- Self cleaning design
- Internal glare shields available
- Dark Sky friendly (at 3000K, 2200K)
- Interpon polyester coating for excellent weatherability

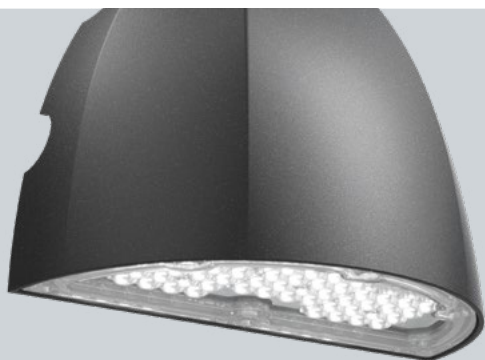


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GUARD

LED PERIMETER WALL LIGHT

The Guard makes an excellent security light with a built-in Photocell and wide distribution. It is also Dark Sky and neighbour friendly with 0% up-light (at 3000K) and full cut-off for excellent spill control.



KEY FEATURES:

- Ultra efficient system efficacy of up to 135lm/W
- Dark Sky friendly with 0% up-light (at 3000K)
- Full cut-off optics for excellent spill light control
- Daylight sensor
- Tough IK10 & IP66 rated design
- 3CCT Switchable (3000K/4000K/5000K)
- >60,000hrs to L80



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