

m-1085m (3560ft)



EAGLE  
LIGHTING

A Fagerhult Group Company

# Custodial Lighting

New Zealand

Product Catalogue - Eagle Lighting

# Global reach, local expertise

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Eagle Lighting, part of the Fagerhult Group, has over 50 years of experience in providing lighting solutions focused on human well-being. Our custodial range includes premium, locally manufactured products from our Melbourne factory and internationally sourced products from our UK-based sister company, Designplan. The range is specifically engineered to meet the stringent standards for custodial environments in Australia and New Zealand, prioritizing performance, safety, user comfort, and wellness.

Designplan is a global leader in custodial lighting, supplying luminaires tailored to the unique needs of custodial environments worldwide. We combine products from Designplan, Fagerhult, and our own brand to offer low-maintenance, reliable solutions, incorporating the latest LED technology. These solutions ensure personal safety, impact resistance, and protection ratings crucial for demanding environments.

Our local expertise provides customised and reliable lighting solutions, addressing both current and future challenges. Our local manufacturing capability, technical knowledge and collaborative approach distinguish us as a trusted industry leader in the Australia and New Zealand market. We can provide quick turnaround projects delivering energy-efficient, sustainable, and easy-to-control lighting engineered with our users in mind, such as contractors, facility managers, and end-users alike.

Eagle Lighting aims to create safer, healthier environments with a focus on quality lighting, sustainability, and innovation, benefiting both people and the planet.

# FAGERHULT



A Fagerhult Group Company



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## Innovative solutions for custodial projects

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Eagle Lighting's custodial range is globally sourced to provide the most innovative solutions, incorporating the latest technology tailored for the local market. This approach goes beyond just product — it leverages the global expertise of the Fagerhult Group, ensuring that Eagle Lighting meets the highest standards in custodial projects.



# Unmatched excellence



## QUALITY

- Quality assurance through global sourcing network
- Circadian rhythms to enhance wellbeing
- 7-year warranty
- Industry-leading testing standards



## INNOVATION

- In-house Research and Development focuses on new product development, LED upgrades, Smart lighting technology enhancements
- Knowledge share and innovation through the Fagerhult Group worldwide connections



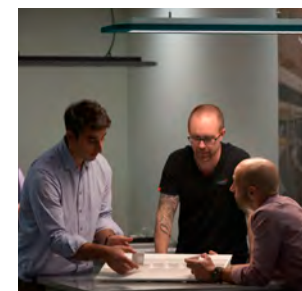
## CUSTOMISATION

- Local manufacturing facility and accredited photometric laboratory
- Local Engineering team to ensure fast response times
- Flexibility in tailoring product and controls solutions
- Retrofit upgrade solutions



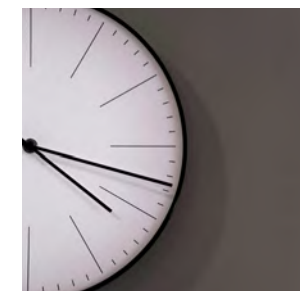
## SAFETY

- IK tested product range
- IP tested product range
- Market-leading ligature-resistant product design
- Superior LED luminaire performance
- Registered EESS responsible supplier



## COLLABORATION

- In-house Lighting Design team
- In-house Technical expertise and knowledge
- Electrical Wholesaler and electrical contractor national network



## LEAD TIMES

- Local team of experts available for site visits across New Zealand
- Short lead times due to Melbourne manufacturing and local warehousing of UK and SWE products
- Work to project planning and establish forecast requirements

# Comprehensive testing you can trust

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Eagle Lighting is a registered Responsible Supplier with the EESS, with all products listed in the ERAC database. We follow strict compliance for RCM labelling, ensuring electrical safety, EMC standards, and essential safety requirements for all luminaires and key components.

Our NATA-accredited photometric lab in Melbourne supports product development, third-party verification, and rapid market adaptation. We conduct accurate thermal testing and lifetime calculations per AS/NZS 60598.1, ensuring transparency and reliability.

Eagle Lighting products undergo extensive in-house testing to meet Australian and New Zealand standards. We also conduct IK (impact) and IP (water/dust ingress) testing, ensuring product durability and suitability for specific applications.

The product undergoes rigorous ligature-resistant testing to ensure it prevents potential self-harm or misuse, making it suitable for high risk areas such as prison cells and mental health units. LED luminaire performance ensures proper illumination for safety and navigation.

Designplan's robust luminaires feature high IP and IK ratings, tamperproof screws, and resistance to vandalism and water ingress, making them ideal for custodial environments particularly high security prison cells, mental health units, bathrooms and communal areas.

This product range exceeds the IK11 standard, with impact resistance up to 250 Joules energy (IK20), five times more than the IK11 standard. We follow EN60068-2-75 standards for durability, ensuring superior protection against vandalism.



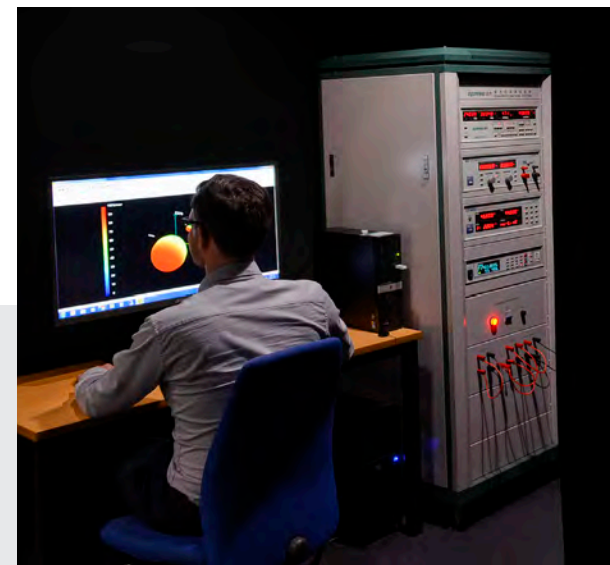
**IK TESTING:**  
Measuring impact resistance

The IK rating is an international standard that indicates how resistant a product is to impact. The standard BS EN 62262 relates to IK ratings, to identify the degree of protection provided by enclosures for electrical equipment against external mechanical impacts.



**LIGATURE RESISTANCE TESTING:**  
Ensuring safety against self-harm

Ligature resistance testing evaluates luminaires for safety in high-risk areas, like prisons or secure healthcare facilities. The testing ensures the fixture has no recessed, moving or protruding parts, eliminating attachment points that could be used for self-harm.



**PHOTOMETRIC TESTING:**  
To measure light performance

As an independent benchmark for technical competence, receiving National Association of Testing Authorities (NATA) accreditation of our photometric laboratory in Melbourne demonstrates our commitment to quality, safety and the reliability of our products and services.

**designplan**

L I G H T I N G

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**HMP Fosse Way**



# The Ministry of Justice and Designplan – Setting the standards

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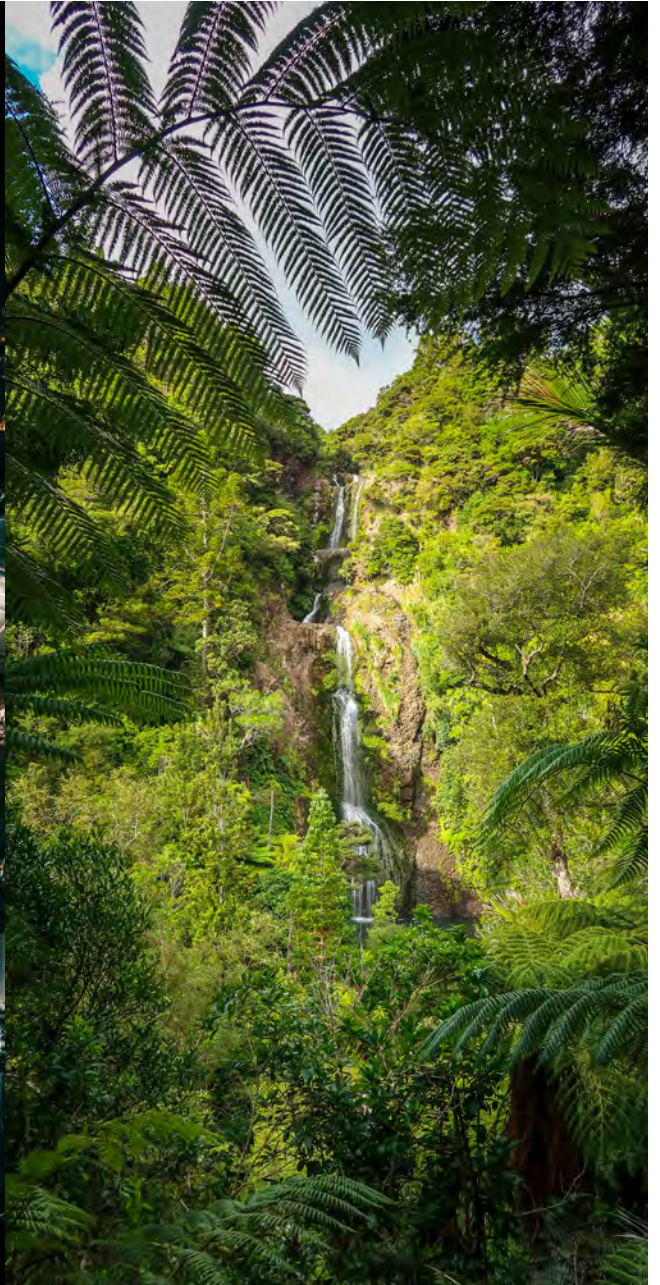
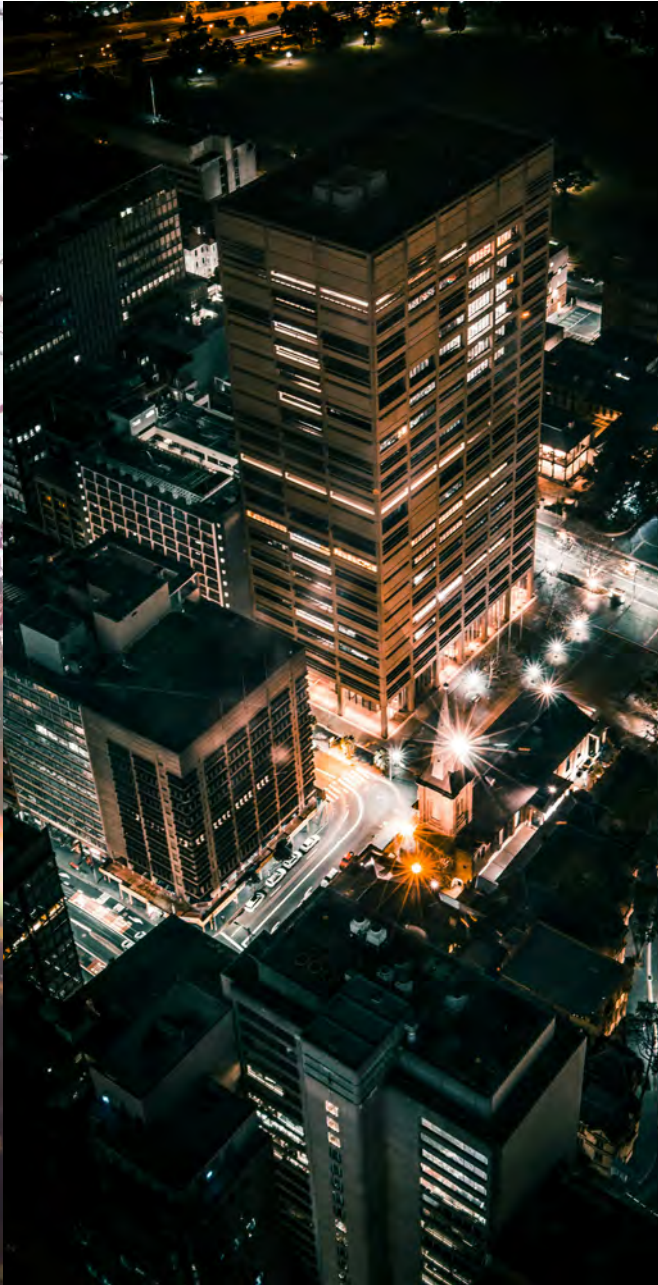
The United Kingdom's Ministry of Justice (MOJ) is a major government department, at the heart of the UK justice system. Their vision is to deliver a world-class judicial system that works for everyone in society.

Over the last 60 years, Designplan has been a crucial partner in assisting the MOJ in setting the luminaire standard in UK Prisons. The standards state that the luminaire must be designed so as to reduce the potential for a prisoner to attach a ligature in order to attempt self-harm as well as it must be able to pass real world destruction tests utilising implements that could be available to a prisoner, such as chair legs and pool cues.

Designplan luminaires have designed to achieve this by minimising the aperture between the luminaire's diffuser and body, using tamper proof screws and anti-pick mastic during installation. Manufactured from flame retardant materials the luminaires are robust enough to resist impacts up to 250 Joules of energy – 5 times more than a standard IK11 fitting.



Ministry  
of Justice



# Sustainability

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The Fagerhult Group has committed to be net zero no later than 2045. This target has been validated and approved by the Science Based Targets initiative (SBTi). Based on the knowledge of our products' opportunities and impact on our planet, we have identified long-term targets in four priority action areas: Circular solutions, Energy Efficiency, Pure Materials and Conscious production.

To achieve this target, Eagle Lighting has embarked on a number of initiatives including: increased use of recycled base materials; reduction in energy use in our operations; research and innovation in LEDs design and development; and the development of Smart lighting in luminaires to reduce our products life-time environmental impact.

## FAGERHULT



SCIENCE  
BASED  
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

# Ease of installation

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Drawing on our close collaboration with installers, we have focused on key design priorities: reducing luminaire weight, simplifying wiring, and ensuring ease of installation. By addressing these needs, we provide installers with a streamlined installation process, the ability to upgrade products quickly and easily, and reduced maintenance over the product's lifespan.

## **RETROFITTING**

Eagle Lighting offers significant lifetime value of products through retrofitting existing light fittings by replacing old components with new LEDs, a process also known as gear tray replacement. This approach makes upgrading old fluorescent gear trays with LED solutions a cost-effective, quick, and often less disruptive option, especially in custodial settings where access is limited.

Our team of experts are skilled and experienced in the process of assessment, lighting removal, engineering, lighting design, testing and reporting to provide solutions that suit a wide range of existing lighting installations.





**UPG (UPGRADEABLE)**

Our custodial products are all upgradeable – they come with a demountable gear tray and can be upgraded in situ as technology changes, in as little as 46 seconds.

**ANTI-PICK MASTIC**

It is possible to apply anti-pick mastic to a number of products in our range and still allow for maintenance in-situ without removing the mastic.

## Completed custodial projects



### New Zealand

Northland Region Corrections Facility  
Mount Eden Corrections Facility  
Waikeria Prison  
Tongariro/Rangipo Prison  
Manawatu Prison  
Rimutaka Prison  
Christchurch Men's Prison  
Christchurch Women's Prison



### Australia

Brisbane Youth Detention Centre  
Southern Queensland Correctional  
Woodford Youth Detention Centre  
Chisholm Rd Prison - Lara  
Dame Phyllis Frost Centre  
HM Prison Barwon  
HM Prison Loddon  
Villawood Immigration Detention Centre  
Alice Springs Correctional Centre  
Darwin Youth Justice Centre



### Global

HMP Berwyn, UK  
HMP Fosse Way, UK  
HMP Belmarsh, UK  
HMP Millsike, UK  
HMP Liverpool, UK  
HMP Elmley, UK  
HMP Wormwood Scrubs, UK  
Hammersmith Police Station, UK  
Viru Prison, Estonia  
JVA Bremen Prison, Germany



Mount Eden Corrections Facility – Building C



Mount Eden Corrections Facility – Building C



Waikeria Prison



Christchurch Men's Prison

# High security Prisoner cell

## Ceiling Recessed

Arculus Square Recessed  
**IK 16 IP 65 UPG**



Arculus Linear Recessed  
**IK 16 IP 65 UPG**



Secure Room IP65  
**IK 10 IP 65 UPG**



Protekt  
**IK 13 IP 65 UPG**



Suitable for concrete

## Wall

Basilica  
**IK 20 IP 66 UPG**



## Ceiling Surface Mounted

Abrams AL  
**IK 16 IP 65 UPG**



Abby G2  
**IK 20 IP 65 UPG**



Basilica  
**IK 20 IP 66 UPG**



Vanguard LED  
**IK 10 IP 44 UPG**



Secure Room IP65 SM  
**IK 10 IP 54 UPG**



## Corner Mount

Obex  
**IK 20 IP 65 UPG**



Uni Cell  
**IK 16 IP 65 UPG**



## Recessed Downlight

DL86 SC  
**IK 16 IP 65 UPG**



RDL AL G2  
**IK 14 IP 65 UPG**



## Reading Light incl. Dimmer Switch

DPR20 / S  
**IK 16 IP 65 UPG**



Nite Cell Lamp  
**IK 10 IP 40 UPG**



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## Uni Cell

By testing to the BS EN60068-2-75 standard using a drop hammer we have extrapolated the data from 50 Joules (IK11) up to 150 Joules of energy (IK16) for this product.

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# High security wet areas

## Showers, bathrooms, ensuites

### Ceiling Recessed

Quadratum Square  
**IK 14 IP 65 UPG**



Secure Room IP65  
**IK 10 IP 65 UPG**



### Recessed Downlight

DL86 SC  
**IK 16 IP 65 UPG**



RDL AL G2  
**IK 14 IP 65 UPG**



### Ceiling Surface Mounted

Monitor  
**IK 14 IP 54 UPG**



Basilica  
**IK 20 IP 66 UPG**



Secure Room IP65 SM  
**IK 10 IP 65 UPG**



### Corner Mount

Obex  
**IK 20 IP 65 UPG**



Uni Cell  
**IK 16 IP 65 UPG**



### Wall

Basilica  
**IK 20 IP 65 UPG**



**IP TESTING**

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# High security communal areas

Day rooms, library, learning spaces

## Ceiling Recessed

Arculus Square Recessed  
IK 16 IP 65 UPG



Arculus Linear Recessed  
IK 16 IP 65 UPG



Secure Room IP65  
IK 10 IP 65 UPG



## High Bay

Hero  
IK 10 IP 65 UPG



## Reading Light incl. Dimmer Switch

DPR20 / S  
IK 16 IP 65 UPG



Nite Cell Lamp  
IK 10 IP 40 UPG



## Ceiling Surface Mounted

Parkalux  
IK 14 IP 54 UPG



Linilux  
IK 12 IP 54 UPG



Basilica  
IK 20 IP 66 UPG



Vanguard LED  
IK 10 IP 44 UPG



Curve VR  
IK 14 IP 54 UPG



Secure Room IP65 SM  
IK 10 IP 65 UPG



## Corner Mount

Obex  
IK 20 IP 65 UPG



Uni Cell  
IK 16 IP 65 UPG



## Wall

Basilica  
IK 20 IP 66 UPG



## Recessed Downlight

DL86 AL  
IK 14 IP 65 UPG



RDL AL G2  
IK 14 IP 65 UPG



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# High security shared spaces

## Corridors, halls, entrances

### Ceiling Recessed

Quadratum Square  
**IK 14 IP 54 UPG**



Secure Room IP65 EL  
**IK 10 IP 65 UPG**



### Recessed Downlight

DL86 AL  
**IK 14 IP 65 UPG**



RDL AL G2  
**IK 14 IP 65 UPG**



### Ceiling Surface Mounted

Linilux  
**IK 12 IP 54 UPG**



Basilica  
**IK 20 IP 66 UPG**



Vanguard LED  
**IK 10 IP 44 UPG**



Secure Room IP65 SM  
**IK 10 IP 65 UPG**



### Corner Mount

Obex  
**IK 20 IP 65 UPG**



Uni Cell  
**IK 16 IP 65 UPG**



### Wall

Basilica  
**IK 20 IP 66 UPG**



Tuscan  
**IK 16 IP 65 UPG**



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# High security exterior

## Courtyards, covered areas, walkways

### Ceiling Surface Mounted

Tuscan  
IK 16 IP 65 UPG



Parkalux  
IK 14 IP 54 UPG



### Wall

Tuscan Angled  
IK 16 IP 65 UPG



Quadrant  
IK 14 IP 54 UPG



Basilica  
IK 20 IP 66 UPG



### Wall continued

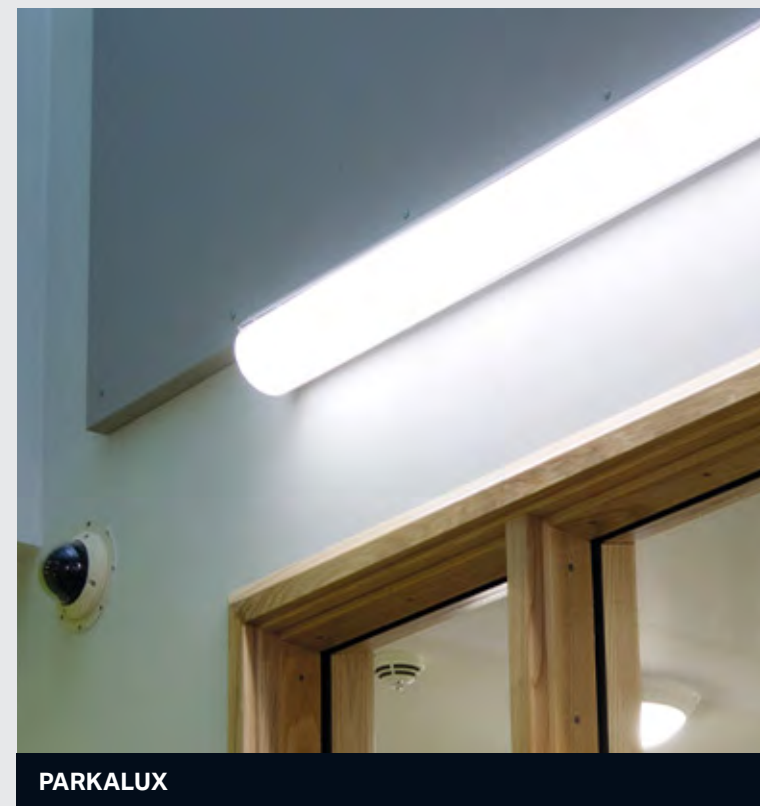
Zelos Skislope  
IK 16 IP 66 UPG



Trackline Bulkhead  
IK 14 IP 65 UPG



Hero  
IK 10 IP 66 UPG



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# Medium security Prisoner cell

## Ceiling Recessed

Quadratum Square  
**IK 14 IP 65 UPG**



Protekt  
**IK 13 IP 65 UPG**



## Corner Mount

Linilux Angled  
**IK 12 IP 65 UPG**



## Ceiling Surface Mounted

Monitor II  
**IK 14 IP 54 UPG**



Basilica  
**IK 20 IP 66 UPG**



Vanguard LED  
**IK 10 IP 44 UPG**



Secure Room IP65 SM  
**IK 10 IP 65 UPG**



## Wall

Basilica  
**IK 20 IP 66 UPG**



## Recessed Downlight

DL86 SC  
**IK 16 IP 65 UPG**



RDL AL G2  
**IK 14 IP 65 UPG**



## Reading Light Incl. Dimmer Switch

DPR20 / S  
**IK 16 IP 65 UPG**



Nite Cell Lamp  
**IK 10 IP 40 UPG**






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# Medium security wet areas

## Showers, bathrooms, ensuites

### Ceiling Recessed

<p>Quadratum Square <b>IK 14 IP 65 UPG</b></p> 	<p>Secure Room IP65 <b>IK 10 IP 65 UPG</b></p> 	<p>Basilica <b>IK 20 IP 66 UPG</b></p> 
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### Ceiling Surface Mounted

<p>Monitor <b>IK 14 IP 54 UPG</b></p> 	<p>Basilica <b>IK 20 IP 66 UPG</b></p> 	<p>Secure Room IP65 SM <b>IK 10 IP 65 UPG</b></p> 
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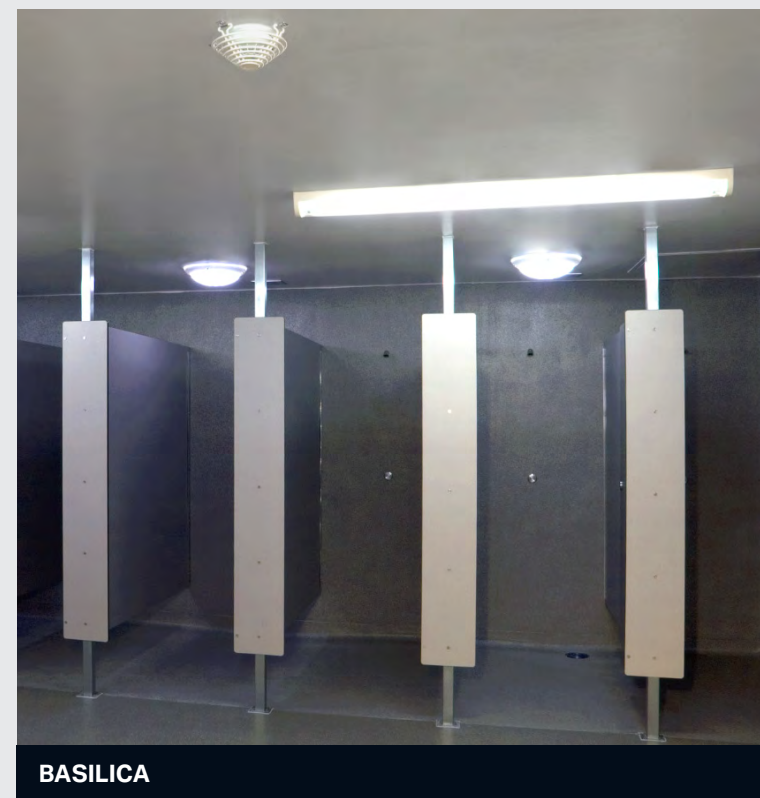
### Corner Mount

Linilux Angled  
**IK 12 IP 54 UPG**



### Recessed Downlight

<p>DL86 SC <b>IK 20 IP 65 UPG</b></p> 	<p>RDL AL G2 <b>IK 14 IP 65 UPG</b></p> 
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**BASILICA**

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# Medium security communal areas

## Day rooms, library, learning spaces

### Ceiling Recessed

Quadratum Square  
**IK 14 IP 65 UPG**



Secure Room IP65  
**IK 10 IP 65 UPG**



### Wall

Basilica  
**IK 20 IP 66 UPG**



Discovery + Ligature-resistant  
Casting  
**IK 10 IP 55 UPG**



### Ceiling Surface Mounted

Linilux  
**IK 12 IP 54 UPG**



Curve VR  
**IK 14 IP 54 UPG**



Basilica  
**IK 20 IP 66 UPG**



Vanguard LED  
**IK 10 IP 44 UPG**



Secure Room IP65 SM  
**IK 10 IP 65 UPG**



### Corner Mount

Linilux Angled  
**IK 12 IP 65 UPG**



### Recessed Downlight

DL86 AL  
**IK 14 IP 65 UPG**



RDL AL G2  
**IK 14 IP 65 UPG**



Pleiad + Ligure Resistant Kit  
**IK 10 IP 64 UPG**



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## Curve VR

Incorporating a removable gear tray ensures Curve VR is quick and easy to maintain, whilst enabling cost effective technology upgrades to the latest energy efficient LED light engines.

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# Medium security shared spaces

## Corridors, halls, entrances

### Ceiling Recessed

Quadratum Square  
IK 14 IP 65 UPG



Secure Room IP65  
IK 10 IP 65 UPG



### Ceiling Surface Mounted

Linilux  
IK 12 IP 54 UPG



Basilica  
IK 20 IP 66 UPG



Curve VR  
IK 14 IP 54 UPG



### Corner Mount

Linilux Angled  
IK 12 IP 54 UPG



### Recessed Downlight

DL86 AL  
IK 14 IP 65 UPG



RDL AL G2  
IK 14 IP 65 UPG





**BASILICA**

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# Medium security

## Prisoner recreational, sport, workshops




### Ceiling Recessed

<p>Quadratum Square <b>IK 14 IP 65 UPG</b></p> 	<p>Secure Room IP65 <b>IK 10 IP 65 UPG</b></p> 
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### Downlight

<p>DL86 AL <b>IK 14 IP 65 UPG</b></p> 	<p>RDL AL G2 <b>IK 14 IP 65 UPG</b></p> 
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### Ceiling Surface Mounted

<p>Linilux <b>IK 12 IP 54 UPG</b></p> 	<p>Basilica <b>IK 20 IP 66 UPG</b></p> 	<p>Tuscan <b>IK 16 IP 65 UPG</b></p> 
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### Ceiling Surface Mounted continued

<p>Gemco <b>IK 14 IP 65 UPG</b></p> 	<p>Vanguard LED <b>IK 10 IP 44 UPG</b></p> 	<p>Secure Room IP65 SM <b>IK 10 IP 65 UPG</b></p> 
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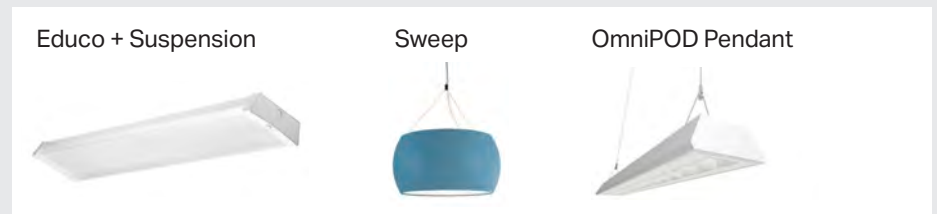
# Non-prisoner area

Reception, administration, staff rooms, corridors, kitchens

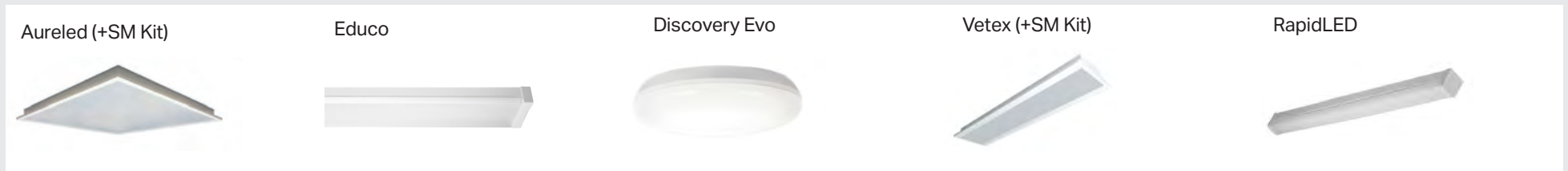
## Ceiling Recessed



## Ceiling Suspended



## Ceiling Surface Mounted



## Ceiling Surface Mounted (continued)



## Downlight





OmniPOD



Sweep



Aureled – Surface Mounted

# Non-Prisoner exterior area

## Walkways, covered areas, carparks

### Wall Mounted

Parkalux Angled



Zelos Skislope



Trackline Bulkhead



### Wall Mounted

Densus



### Pole Mounted

Fagerhult Evolume



### Surface Mounted

Parkalux






Discovery Evo + Outdoor Casting



# Emergency

## Emergency Ceiling Surface Mounted

<p>Linilux <b>IK 12 IP 54 UPG</b></p> 	<p>Basilica <b>IK 20 IP 66 UPG</b></p> 	<p>Tuscan <b>IK 16 IP 65 UPG</b></p> 
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<p>Gemco+EM <b>IK 14 IP 65 UPG</b></p> 	<p>Vanguard LED+EM <b>IK 10 IP 44 UPG</b></p> 	<p>Secure Room IP65+EM <b>IK 10 IP 65 UPG</b></p> 
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## Emergency Exit Lights

<p>Ultrablade PRO Clevertronics</p> 	<p>Gateline emergency light <b>IK 14 IP 65 UPG</b></p> 
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## Emergency Ceiling Recessed

<p>Quadratum Square <b>IK 14 IP 65 UPG</b></p> 	<p>Secure Room IP65 EL <b>IK 10 IP 65 UPG</b></p> 
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**TUSCAN**

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FAGERHULT



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Auckland Central  
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