



eaglelightingaustralia

TRANSPORT + CUSTODIAL v2.0

Lighting Built to Last

TRANSPORT + CUSTODIAL

Eagle Lighting Australia has a complete range of transport and custodial luminaires for both indoor and outdoor applications. Incorporating the latest in LED technology, the range consists of luminaires with high protection class to withstand all weather conditions and physical attack.

As a member of the Fagerhult Group, Eagle Lighting Australia has over 45 years' experience in creating light for human well-being. In putting together this concise range of luminaires, we have selected a range of products with properties that match

the requirements of Australia and New Zealand's toughest environments. The range consists of products from Eagle Lighting Australia, Fagerhult & Designplan.

Eagle Lighting Australia's transport and custodial range is tailored to suit lighting applications where the requirements for impact resistance and protection rating are far greater than the usual. A great example of this is the use of lighting in underground train platforms and walkways, where the lighting must work to create a safe environment.

eaglelightingaustralia

FAGERHULT

designplan
LIGHTING

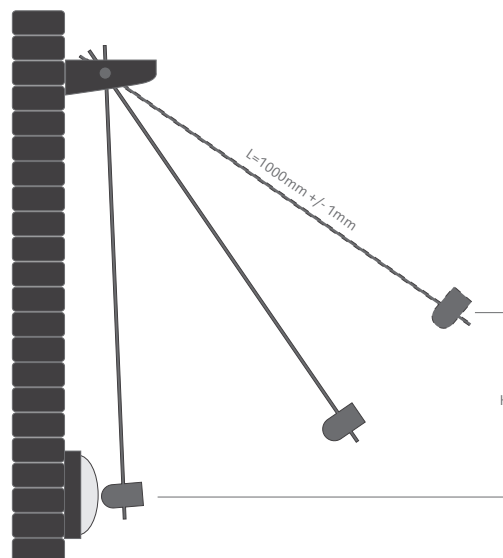
STRENGTH AS STANDARD

A robust luminaire, like many of the products that follow has high IP & IK ratings.

This results in the fitting being able to handle a high pressure jet, immense force, resist dust and includes tamper-proof screws. These are important characteristics for a robust or custodial luminaire to have, as often they are installed in environments such as car-parks, railway platforms, prison cells or mental health units.

The range is also impact resistant to an IK10 rating, the highest level prescribed in the international standard IEC 60068-2-75. Our experience has taught us that IK10 is inadequate against the sort of vandalism our products face on a regular basis. By testing to the EN60068-2-75 standard using a pendulum hammer, Designplan have extrapolated the ratings from the 20 joules (IK10) rating all the way up to 150 joules of impact (IK16).

In addition, Eagle Lighting Australia's experience working across projects such as Long Bay Correctional Centre in New South Wales to Margoneet Prison in Victoria, and the Acute Mental Health Unit - Middlemore Hospital in Auckland highlights just how ELA can help you exceed these standards. Many of our luminaires can resist up to 150 joules of mechanical impact, over 7.5 times greater than the 20 joules required to meet the IK10 standard.



Designplan's standard testing procedure for all robust luminaires.

ROBUST APPLICATIONS - CHARACTERISTICS

RESISTANCE TO MECHANICAL FORCE

- In what environment will the luminaire be installed?
- At what height will it be placed?
- Will it be installed so low that it could be subject to physical attack?

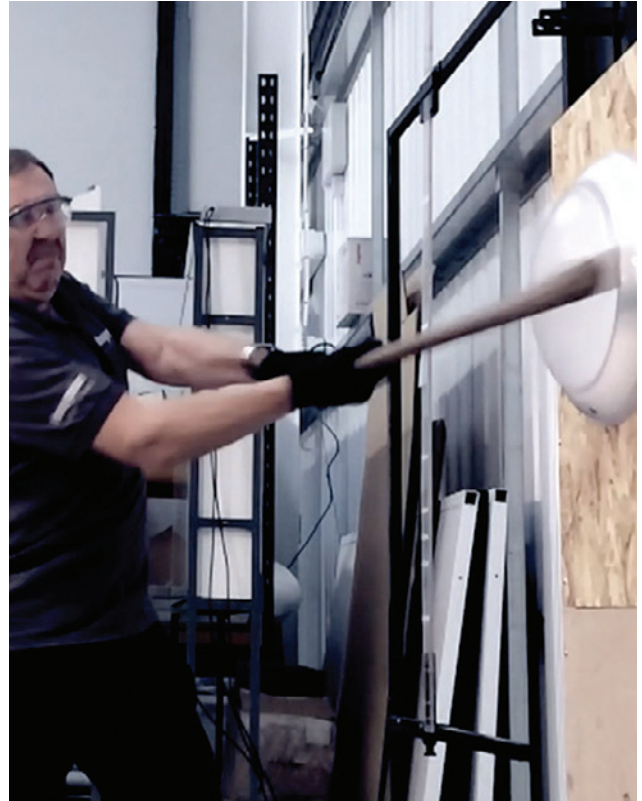
An underpass is one of the worst environments a luminaire can be installed in, while a luminaire positioned in a high awning will not be as exposed.

WEATHERPROOF

The IP classification rates the degree of protection provided against intrusion by body parts such as hands and fingers, dust, accidental contact and water into mechanical casings and electrical enclosures.

SECURITY & VANDAL RESISTANT

Many of the luminaires in the Transport & Custodial range are tamper-proof due to the use of Resistorx security screws. In exposed areas this aids in preventing vandalism to the luminaire. In secure areas, it prevents people from harming themselves or others, as well as discouraging people from hiding items within the fittings.



Weatherproof



Potential
for impact



Vandal
Resistant



Secure
projects



Maintenance
and through
life cost



TRANSPORT

When it comes to lighting transport applications and in particular surface and underground railways, Eagle Lighting Australia's sister company Designplan has an unrivalled wealth of experience and products to offer.

Over the last 50 years Designplan has worked on some of the most prestigious transport projects, including most recently the Crossrail development. Crossrail is Europe's largest construction project with 15 billion pounds of investment to build 40 Crossrail stations. As a result, this will increase rail transport capacity in London by 10%. Designplan are also involved in the DOHA Metro Red Line South project, which is a part of the Qatar 2022 World Cup developments.

ELA has also worked on various projects within the Transport sector including Kings Cross Station, Edgecliff and Hornsby Stations in New South Wales.

Many of Designplan's luminaires were designed specifically for the rail sector and have an enviable reputation for robustness, vandal resistance and low maintenance. They are built for longevity of operation in harsh environments, but we also appreciate the importance of ensuring that high product efficiency contributes to safer environments.

Many of our fittings comply to Section 12 (Standard 1-085) and Standard 1-066, with glass diffusers, low smoke cables and appropriate paint finish. Additional special considerations included within this standard are the fire safety performance of materials, vibrations and dust caused by rolling stock, changes in ambient temperature across the network and stringent lighting requirements on platform edge and public spaces.

ANATOMY OF A S12 / 1-085 COMPLIANT MISSION

A LOW SMOKE/ZERO HALOGEN CABLES

A

All LUL Standard 1-085 (also known as section 12) fittings have to use low smoke and zero halogen emitting cabling, to prevent air becoming toxic in the case of a fire.

HIGH IP65 RATING

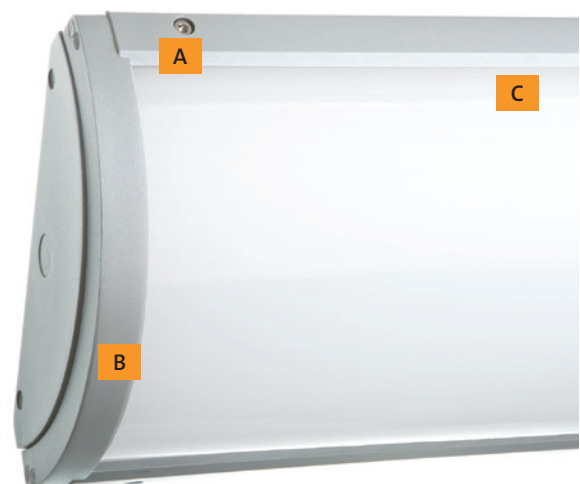
B

Rating to prevent ingress of particulates commonly found in the sub-surface rail environment. (brake dust particulates for example).

GLASS DIFFUSER

C

Diffusers must be glass and at least 6mm thick to prevent harm to passengers and staff during a fire.



CUSTODIAL

Eagle Lighting Australia has the capabilities to design luminaires for purpose, for projects and to modify our existing luminaires. This is something across our 45 years as an Australian manufacturer ELA has always succeeded in. Our strength is in responding to the market's ever changing requirements and designing our luminaires from beginning to end.

ELA has a complete range of robust luminaires for both indoor and outdoor applications. The range consists of luminaires with high protection class, designed to withstand both severe weather conditions and extreme physical attack. The range consistently utilises modern LED technology.

In addition, our sister company Designplan has a wide range of standard and bespoke products. They have a continual development program in place that ensures all relevant standards and needs are met. Designplan luminaires have been supplied in various custodial locations throughout Australia and New Zealand. Their cell specific fittings are anti-ligature as standard, tamper-proof and resistant to the highest levels of vandalism. Many of their custodial products feature burns-test approved diffusers, including a patented design of 'sandwiched' layers to prevent prisoners or vandals burning through and accessing the inside of the fitting.

Using the experience gained from working closely with installers, ELA and Designplan have given significant attention to luminaire weight, simplicity of wiring and the ease of fixing. Focussing on these necessities provides end users with an easy installation process and less maintenance over the life of the product.

SECURE HEALTHCARE

In addition to custodial we recognise that within the secure healthcare sector, safety and patient comfort are primary drivers in the selection of lighting.

Many of our products contain features specifically designed to meet these objectives. Our secure healthcare fittings are designed to be impact resistant up to IK16 and to help prevent the attachment of ligatures and avoid the dangers associated with them. With a variety of sizes, switching and lamp options, they can cater for many applications ranging from bedhead units with local control, to corridors, stairways and circulation areas.

In addition to providing a safer environment for staff and patients, we assist in maintaining bright, efficient and hygienically clean environments. Many of our products have smooth surfaces to facilitate ease in cleaning. Our gear trays and other components also allow speedy maintenance and an opportunity to upgrade technologies, without compromising the robust, tamper-proof design.

At ELA we understand lighting can be a large source of energy consumption in secure hospitals and care homes, often accounting for as much as 35 – 40% of total electrical consumption. Designplan's energy efficient LED fittings can be fitted with a variety of dimming and sensor options to ensure that luminaires are only at full output when actually required, keeping both energy bills and the total cost of ownership low.

ANATOMY OF AN ANTI-LIGATURE BASILICA

A

An oven-baked finish provides a protective skin of tough polyester paint. The die cast aluminium body is strong and durable ensuring the luminaire can resist up to 150 joules of impact (IK16).

B

A removable gear tray allows for easy upgrade and maintenance of all component parts without the need to disturb the anti-pick mastic.

C

The high impact resistant diffuser is secured by Resistox screws ensuring that its tamper-proof rating is maintained.

D

Minimise aperture between diffuser and body.



TRANSPORT + CUSTODIAL CORE RANGE

SUGGESTED APPLICATIONS

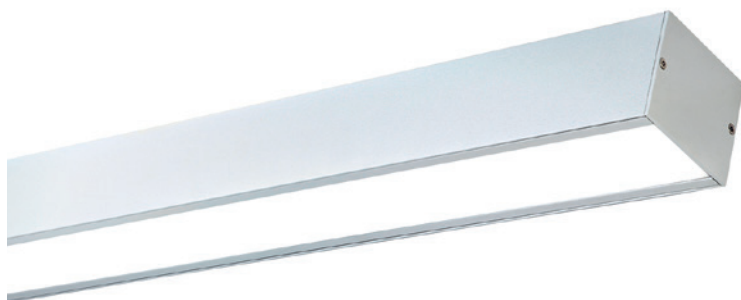
				TRANSPORT	CUSTODIAL	SOCIAL HOUSING	SECURE HEALTHCARE	URBAN
	IK	JOULES	IP					
Stromma	IK14	100	IP65	■				■
Tuscan 89	IK16	150	IP65	■	■	■		■
Tuscan AL	IK16	150	IP65		■		■	
Parkalux LED	IK14	100	IP54	■	■	■	■	■
Quad EVO	IK15	125	IP65	■		■		■
Zelos Wall Max	IK16	150	IP65	■	■	■	■	■
RDL	IK11	35	IP55	■	■	■	■	■
Densus LED	IK10	20	IP65	■		■		
Vanguard LED	IK10	20	IP44	■	■	■	■	
HercuLED	IK10	20	IP65	■				
Pleiad G3 Comfort Anti-ligature	-	-	IP44/20	■		■	■	
Nite Cell Lamp	IK10	20	IP40		■		■	
Abrams AL	IK16	150	IP65		■			
Protekt	IK10	20	IP65		■			
Discovery EVO	UP TO IK10	20	IP55	■		■	■	
Excis LED	VDE 0710-13	-	IP20		■			
Basilica	IK16	150	IP66		■		■	

STROMMA

IK	JOULES	IP
14	100	65

TRANSPORT

URBAN



Stromma is a robust vandal and weather-resistant IP65 rated modular lighting system offering continuous linear illumination. The luminaire has an adaptable modular system which can be stand-alone, drop rod suspended, surface mounted or used in a recessed style with shadow gap (e.g. for metal plank ceilings). Stromma is an easily integrated luminaire, in a variety of lengths which enables flexible, continuous illumination. The extruded aluminium body is finished in a matt silver polyester powder coat. The opal polycarbonate diffuser utilises a new high transmission material which helps prevent LED hot spots, provides uniform light output and has advanced UV resistance. LEDs, electronic DALI control gear and diffuser supplied in a sealed module that is removable, replaceable and upgradable.

designplan
LIGHTING

Stromma							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
LOW OUTPUT							
STR/2/L/1200NW/XC48/DALI	1214lm	110lm/W	4000K	>80	L600 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/3/L/1800NW/XC48/DALI	1822lm	114lm/W	4000K	>80	L880 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/4/L/2400NW/XC48/DALI	2429lm	110lm/W	4000K	>80	L1164 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/5/L/3000NW/XC48/DALI	3036lm	108lm/W	4000K	>80	L1444 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/6/L/3600NW/XC48/DALI	3643lm	110lm/W	4000K	>80	L1724 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
HIGH OUTPUT							
STR/2/H/2000NW/XC48/DALI	2086lm	104lm/W	4000K	>80	L600 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/3/H/3000NW/XC48/DALI	3128lm	104lm/W	4000K	>80	L880 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/4/H/4000NW/XC48/DALI	4171lm	104lm/W	4000K	>80	L1164 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/5/H/5000NW/XC48/DALI	5214lm	104lm/W	4000K	>80	L1444 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs
STR/6/H/6000NW/XC48/DALI	6257lm	104lm/W	4000K	>80	L1724 x W100 x H85	IK14 / IP65 / 100 Joules	L ₈₀ B ₅₀ 60khrs

Option (s)
Matt black finish replace C48 with C04
Titanium finish replace C48 with C49
Pure white finish replace C48 with C32
Warm white LEDs (3000K) replace NW with WW
Microwave sensor - Basic add suffix / MWSB
Continuous beginning (deduct 3mm from length for end cap) add suffix /CB
Continuous middle (deduct 6mm from length for end caps) add suffix /CM
Continuous end (deduct 3mm from length for end cap) add suffix /CE
Power feed entry through end cap add suffix /H
Suspended (contact us to discuss your requirements) add suffix /S and length of drop rod (mm)
Flanged recessed body (e.g. for plaster board ceilings) add suffix /R
Emergency TBC

Technical Information	

*When specifying continuous illumination, low and high output versions should not be mixed

TUSCAN 89



IK	JOULES	IP
16	150	65

TRANSPORT
CUSTODIAL
SOCIAL HOUSING
URBAN
SECURE HEALTHCARE

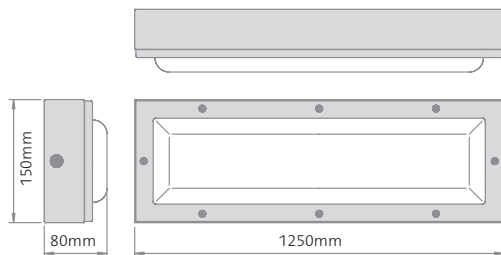
The Tuscan range is a versatile family of luminaires designed to withstand extreme physical attack. With heavy gauge steel bodies, a polycarbonate diffuser and tamper-proof screws, the Tuscan range is suitable for subways, platforms, schools and pedestrian walkways. The Tuscan range is designed to resist extreme physical attack and is suitable for wall and ceiling mounting.

designplan
LIGHTING

Tuscan 89							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
D890/4/3000NW/XC49	2992	107	4000K	>80	1250x150x80	IK16/ IP65/ 150 Joules	L ₈₀ B ₅₀ 60khrs
D890/4/5000NW/XC49	4402	103	4000K	>80	1250x150x80	IK16/ IP65/ 150 Joules	L ₈₀ B ₅₀ 60khrs
D890/4/5000NW/XB/EM3D	4402	103	4000K	>80	1250x150x80	IK16/ IP65/ 150 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
DALI
Switch Dim
Corridor Function 10%
3000K
Emergency 3hr Integral DALI

Technical Information



TUSCAN AL

IK	JOULES	IP
16	150	65

CUSTODIAL
SECURE HEALTHCARE

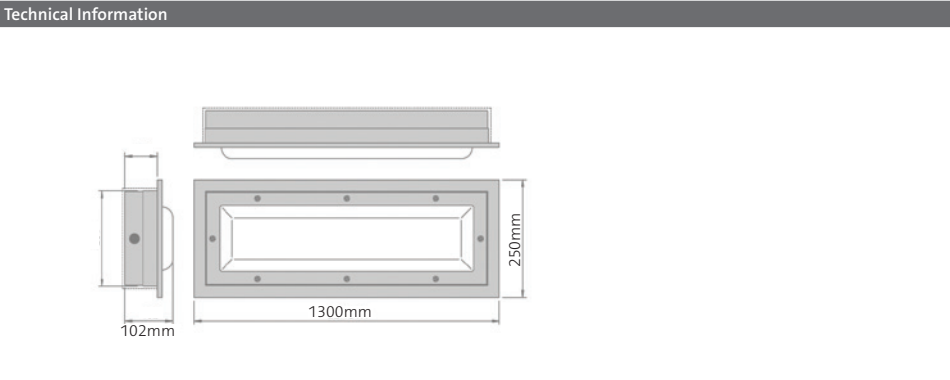


The Tuscan AL luminaire is an extremely tough specialised fitting for in-cell applications. The anti-ligature fitting is perfect for police cell applications and is designed to resist extreme physical attack. Tuscan AL is suitable for surface or recessed ceiling mounting and has a heavy gauge steel body that is finished in a white polyester powder coat. The polycarbonate diffuser is held against the gasket with tamper-proof screws. The electronic gear comes on a removable tray with a fused plug and socket connector block. In addition there is a night light provision available, along with conduit entry in the back with gaskets provided.

designplan
LIGHTING

Tuscan AL							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
D880/4/5000NW/XW/ALR 4402		103	4000K	>80	1300x250x102	IK16 / IP65/ 150 Joules	L80B50 60khrs

Option(s)
DALI
Switch Dim
Night Light
3000K



PARKALUX RANGE



IK	JOULES	IP
14	100	54

TRANSPORT
CUSTODIAL
SOCIAL HOUSING
URBAN

Parkalux is a practical luminaire with a small footprint that has been designed to withstand a high level of vandalism. This surface mounted fitting is an effective general lighting solution for both indoor and outdoor applications. It is the perfect choice in arrival halls, on platforms, in car parks/garages and in passageways.

The Parkalux Range consists of versatile and weather resistant linear fittings. They are suitable for ceiling and semi-recessed mounting.

designplan
LIGHTING

Parkalux							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
D333/4/3000NW/XC49	2866	103	4000K	>80	1245x125x90	IK14/ IP54/ 100 Joules	L ₈₀ B ₅₀ 60khrs
D333/4/5000NW/XC49	4217	99	4000K	>80	1245x125x90	IK14/ IP54/ 100 Joules	L ₈₀ B ₅₀ 60khrs
D333/4/5000NW/XB/EM3D	4217	99	4000K	>80	1245x125x90	IK14/ IP54/ 100 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
DALI
Switch Dim
Corridor Function 10%
3000K
Emergency 3hr Integral DALI

Technical Information	

QUADEVO RANGE

IK	JOULES	IP
15	125	65

TRANSPORT
SOCIAL HOUSING
URBAN



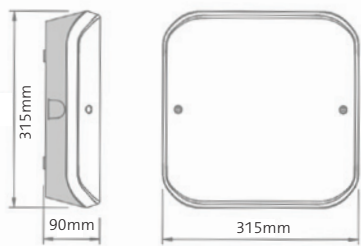
The QuadEvo range offers a contemporary, robust bulkhead fitting and is well suited to transport environments. The QuadEvo is an aesthetically pleasing and durable fitting. A typical stairwell can be lit with two of these luminaires, rather than four. The fitting is IP65 rated and IK15. The rounded corners make it challenging for a vandal to insert any sort of device between the diffuser.

designplan
LIGHTING

QuadEvo							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
QTR/1900NW/XC49	1650	100	4000K	>80	315x315x90	IK15/ IP65/ 125 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
DALI
Photo Cell
Microwave sensor – Advanced
Microwave sensor – Basic
Corridor Function 10%
3000K

Technical Information



ZELOS WALL MAX



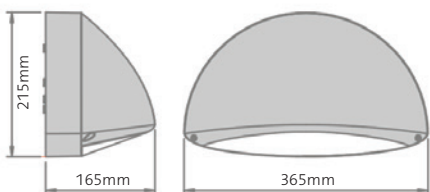
The Zelos Wall Max features elegant and versatile bulkheads for high wall mounted perimeter applications. This LED specific fitting has a light output of over 80 lm/W and produces minimal upward light.

IK	JOULES	IP
16	150	65

TRANSPORT
CUSTODIAL
SOCIAL HOUSING
URBAN
SECURE HEALTHCARE

Talos Wall Max							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
TLSWM/4500NW/FC49	3015	84	4000K	>80	365x165x215	IK16/ IP65/ 150 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
Photocell
3000K
Corridor Function 10%

Technical Information


designplan
LIGHTING

RDL

IK	JOULES	IP
11	35	55

- TRANSPORT
- CUSTODIAL
- SOCIAL HOUSING
- URBAN
- SECURE HEALTHCARE



RDL is a ceiling recessed downlight in either a round or square shape and with light output of over 90 lm/w, is suitable for interior applications.

The RDL has a heavy duty steel body, finished in a black polyester powder coat and is IP55 ingress protection rated (from below). The fitting is able to withstand an impact of 35 joules (IK11) in standard version and Anti-Ligature version enhanced to 75 joules (IK13). RDL also has a clear polycarbonate diffuser held against the gasket by tamper-proof screws and an electronic remote control gear. It can also be used in custodial areas.

designplan
LIGHTING

RDL							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
RDL/2000NW/CB	1800	92	4000K	>80	Ø235x155mm	IK11 / IP55/ 35 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
DALI
Switch Dim
3000K

Technical Information

SUPPLIED WITH REMOTE DRIVER

155mm

215 DIA CUT OUT

235mm

DENSUS LED

IK	JOULES	IP
10	20	65

TRANSPORT

SOCIAL HOUSING



The Densus LED is a weather proof, vandal resistant and dust proof IP65 rated LED luminaire, suitable for most commercial and industrial applications. It is particularly suited for underground car parks, where its wide beam distribution ensures that it provides excellent uniformity and illuminance levels on maximum mounting centres.

The LED boards used within the Densus LED are easily replaceable, allowing for easy maintenance and a reduced life cycle cost. Services such as Emergency and Sensors are integral to the luminaire.

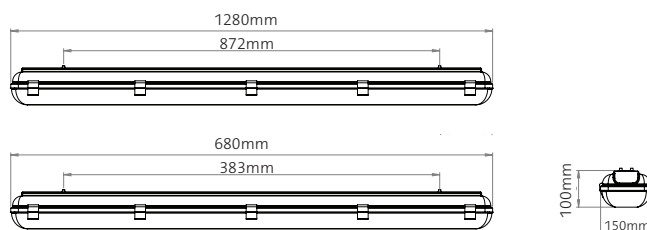
By using upgradeable/interchangeable LED boards in the luminaire, you can rest assured that you will always be able to easily replace or upgrade the Densus to take advantage of the latest available LED and energy saving technology.

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Densus LED							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
EL-DENL-2103	977	108	4000K	>80	1280x150x100mm	IK10/IP65/20 Joules	L ₈₀ B ₅₀ TM21 L80(12k) > 72khrs
EL-DENL-2104	2672	124	4000K	>80	1280x150x100mm	IK10/IP65/20 Joules	L ₈₀ B ₅₀ TM21 L80(12k) > 72khrs
EL-DENL-2100	2513	123	4000K	>80	1280x150x100mm	IK10/IP65/20 Joules	L ₈₀ B ₅₀ TM21 L80(12k) > 72khrs
EL-DENL-2101	3843	120	4000K	>80	680x150x100mm	IK10/IP65/20 Joules	L ₈₀ B ₅₀ TM21 L80(12k) > 72khrs
EL-DENL-2102	5252	135	4000K	>80	680x150x100mm	IK10/IP65/20 Joules	L ₈₀ B ₅₀ TM21 L80(12k) > 72khrs

Option(s)
DALI
Emergency
DALI Monitored Emergency
Microwave Sensor

Technical Information



VANGUARD LED



The Vanguard range of luminaires is suitable for industrial and commercial areas where security and visibility are of paramount importance at all times. Applications include perimeter soffit lighting around correctional institutions, prison cells, mental health facilities, subways, underpasses and any areas where a robust, vandal proof fitting is required. Approved for prison use 'non-ligature' fitting.

The Vanguard features a one piece, injection moulded polycarbonate diffuser that provides excellent lamp obscuration, wide light distribution and good glare control. The luminaire has a reinforced hidden back plate, tamper-proof stainless steel retaining screws and its construction ensures that it is virtually vandal proof.

Vanguard LED							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
EL-CV824L-1100	3083	92	4000K	84	1275x210x85mm	IK10/IP44/20 Joules	L ₈₀ B ₅₀ 81khrs
EL-CV824L-1101	3620	92	4000K	84	1275x210x85mm	IK10/IP44/20 Joules	L ₈₀ B ₅₀ 81khrs

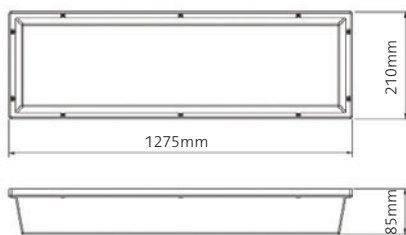
IK	JOULES	IP
10	20	44

TRANSPORT
CUSTODIAL
SOCIAL HOUSING
SECURE HEALTHCARE

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Option(s)
DALI
Emergency
DALI Emergency
Microwave Sensor
Night Light

Technical Information



HERCULED

IK	JOULES	IP
10	20	65

TRANSPORT



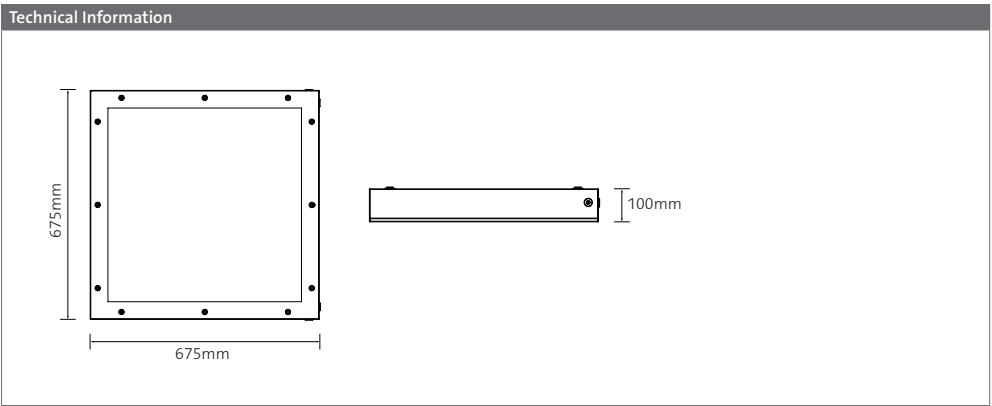
The HercuLED is a surface mounted IK10 and IP65 rated luminaire designed, tested and manufactured in Australia. The product has been designed as an LED lowbay solution for the transitional zones of underground car-parks but it may be used in any under-canopy application where a robust luminaire is required.

The front frame is made of 1.2mm stainless steel whilst the body is constructed of aluminium. The diffuser used is made of UV stabilised polycarbonate and the prisms act as a light guide whilst eliminating glare. It is available in black as standard yet other colours are available on request.

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HercuLED							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
EL-HCL-1100-	9291	101	4000K	>84	675 x 675x100mm	IK10/IP65/20 Joules	L ₈₀ B ₅₀ 71khrs

Option(s)
DALI



PLEIAD G3 COMFORT ANTI-LIGATURE

IP

44/20

TRANSPORT

SOCIAL HOUSING

SECURE HEALTHCARE



With the anti-ligature kit added, the Pleiad G3 Comfort becomes tamperproof, perfect for secure healthcare and social housing applications. The anti-ligature kit has a high impact resistance 5mm thick polycarbonate cover retained by a ceiling mounting plate and front polycarbonate bezel and tamper-proof screws. The front bezel is screw fixed to the rear ceiling plate and secured by retaining tamper-proof screws.

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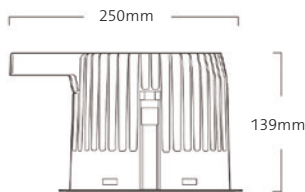
Pleiad G3 Anti-Ligature

Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
EL-77912 with anti-ligature kit	1762	98	4000	>80	Ø250x139mm	Anti-ligature - IP44/IP20	L ₉₀ B ₅₀ 50khrs
EL-77933 with anti-ligature kit	954	81	4000	>80	Ø250x139mm	Anti-ligature - IP44/IP20	L ₉₀ B ₅₀ 50khrs

Option(s)

DALI
CCT 3000K

Technical Information



NITE CELL LAMP

IK	JOULES	IP
10	20	40
CUSTODIAL		
SECURE HEALTHCARE		



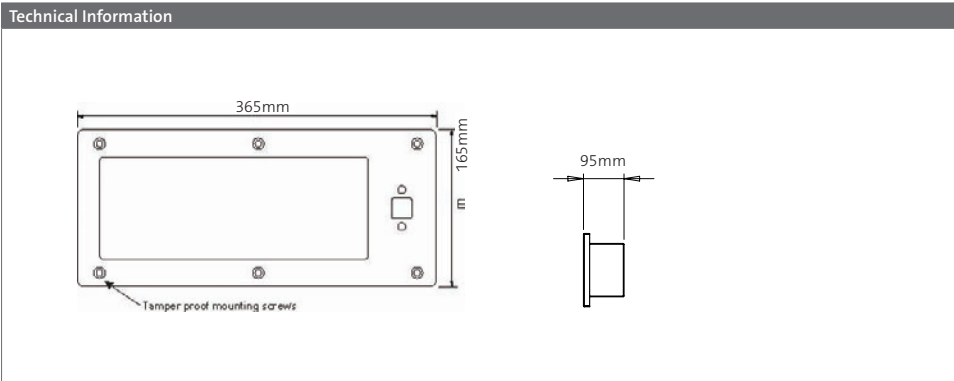
The Nite Cell Lamp is specifically a reading light, designed to be both tamper-proof and impact resistant. Applications for this luminaire include correctional facilities, prison cells and areas where a tamper-proof fitting of this nature is required.

The fascia of the fitting is constructed using stainless steel and incorporates a tamper-proof mechanical switch and countersunk tamper-proof screws.

eaglelightingaustralia

Nite Cell Lamp							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
EL-NCL-1100-000	305	40	4000K	>80	365x165x95mm	IK10/IP40	L ₈₀ B ₁₀ 50khrs

Option(s)
DALI
Concrete Skin



ABRAMS AL

IK	JOULES	IP
16	150	65

CUSTODIAL

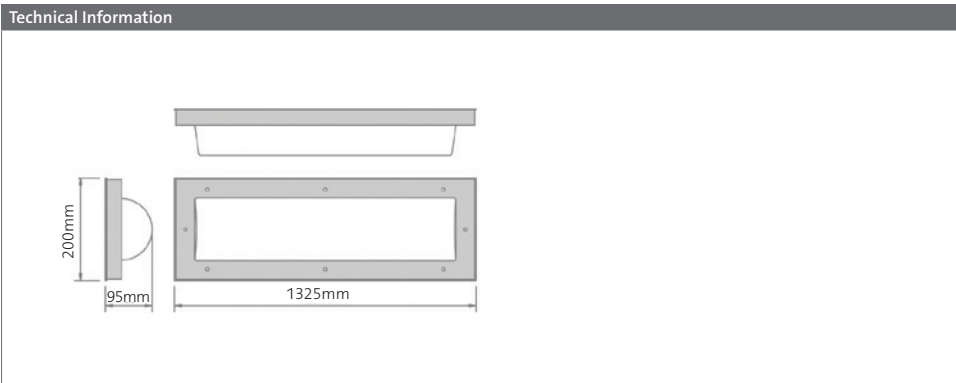


The Abrams AL fitting is 'safer cells' certified for being a ceiling mounted vandal and weather resistant fitting. The luminaire has a patented diffuser design and zinc coated steel body, finished in a white polyester powder coat. Abrams AL houses a uniquely constructed patented 'sandwiched' burns test compliant diffuser, which is held against the gasket with tamper-proof screws. The electronic control gear is on a removable tray with fused plug & socket connector block, including 3 level switching & night light. There is provision for conduit entry in the back with gaskets provided.

designplan
LIGHTING

Abrams AL							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
D224/4/6000WW/PW/SC/NL	4800	86	3000K	>80	1325x200x95	IK16 / IP65/ 150 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
4000K



PROTEKT

IK	JOULES	IP
10	20	65

CUSTODIAL



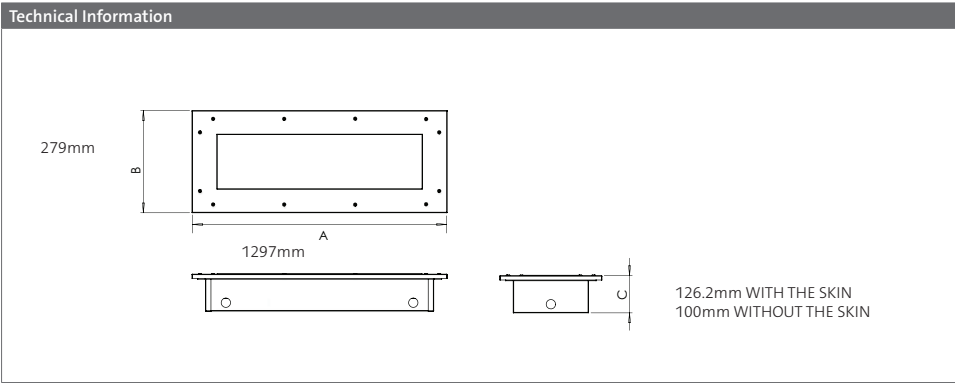
The Protekt luminaire is specifically developed for prison cells. The luminaire skin is anchored in the ceiling concrete. The concrete is poured with the skin and cables inside so the luminaire essentially becomes an integral part of the ceiling. The light aperture consists of a high quality diffuser and the protective 6-mm thick polycarbonate layer. Special design and machining of the polycarbonate layer makes it impossible for thin objects such as credit cards to be inserted and hidden inside the luminaire. The locations of the tamperproof screws make sure that the fitting can't be opened without special tools and remains anti-ligature even if forced. IP65 from below. IP rating from above is not applicable because the top part of the luminaire is completely buried into the concrete.

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Protekt						
Code	Lumens	lm/W	CCT	Ra	Size	Lifetime
EL-PRO-1100-000	3227	98	4000K	80+	1297x279x100*	IK10+ / IP65 from below, top buried in concrete L _{80B50} 81khrs

*Size 1297x279x100 is fitting only, not including skin.

Option(s)
DALI
Maintained Emergency
DALI Emergency
Night Light



DISCOVERY EVO



Discovery Evo is the new generation of Fagerhult's classic multi-purpose luminaire. Developed to utilise all the benefits of LED technology, Discovery Evo is a versatile lighting concept that satisfies the requirements of demanding environments.

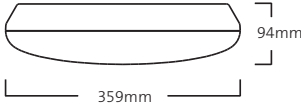
A neat design and a comfortable, space-creating light pattern enhances the experience of light in stairwells, corridors, kitchens, bathrooms and cellars in both public and private environments.

IK	JOULES	IP
UP TO 10	20	55

TRANSPORT
SOCIAL HOUSING
SECURE HEALTHCARE

Discovery EVO							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
57758	2438	128	3000K	>80	Ø359x94mm	Up to IK10/IP55	L ₈₀ B ₅₀ 90khrs
57759	2566	135	4000K	>80	Ø359x94mm	Up to IK10/IP55	L ₈₀ B ₅₀ 90khrs

Option(s)
e-Sense smartSWITCH, Detect On/Off
DALI
Maintained Emergency
Recessed kit, antiligature casing, outdoor casing
Remote control with e-Sense Move

Technical Information


EXCIS LED

IK	JOULES	IP
DIN VDE 0710-13	-	20

CUSTODIAL

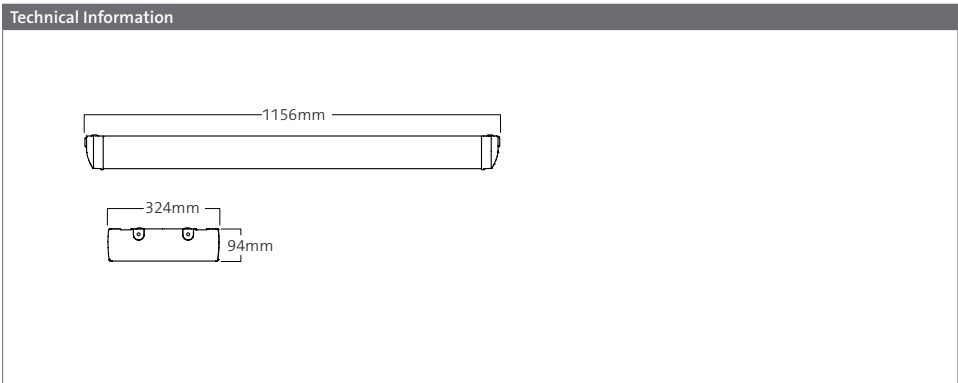


Excis LED offers an ideal solution in sports halls in terms of lighting comfort, energy efficiency, durability and freedom from maintenance. Three different light distributions (wide, medium and asymmetric) and three different lumen packages allow for a tailored lighting solution for different halls and various sports.

The glare control in Excis LED consists of an optical line prism that controls the light longitudinally with exceptional anti-glare properties, all variants pass the UGR requirement for sports halls. Optimised light outputs, an efficacy of up to 147 lm/W without glare. Excis LED provides all the light you need without consuming a large amount of energy. DALI-enabled as standard.

Excis LED medium beam, DALI						
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP
18449	6300	143	4000K	>80	1156x324x94mm	VDE 0710-13 (ball impact resistant)/IP20
18450	11800	140	4000K	>80	1156x324x94mm	VDE 0710-13 (ball impact resistant)/IP20
18451	20600	136	4000K	>80	1156x324x94mm	VDE 0710-13 (ball impact resistant)/IP20

Option(s)
CCT 3000K
Wide beam, Asymmetrical beam
Ra 90
Conduit and wire cable brackets, adjustable ceiling bracket, wire suspension



FAGERHULT

BASILICA

IK	JOULES	IP
16	150	66

CUSTODIAL

SECURE HEALTHCARE



A contemporary and robust anti-ligature bulkhead with light output of 116 lm/W. Within this design there are no ligature points which help to prevent self-harming.

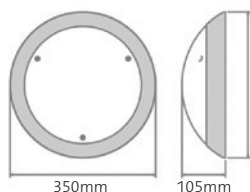
This LED fitting provides uniform light distribution and impressive light output of up to 116 luminaire lumens per circuit watt. The fitting is suitable for wall or ceiling mounting and the smooth surfaces make it easy to clean.

designplan
LIGHTING

Basilica							
Code	Lumens	lm/W	CCT	Ra	Size	IK/IP	Lifetime
BA35/2400WW/XC31	2063	91	4000K	>80	Ø350x105mm	IK16/ IP66/ 150 Joules	L ₈₀ B ₅₀ 60khrs

Option(s)
DALI
Night Light
Microwave sensor – Advanced
Microwave sensor – Basic
Corridor Function 10%
3000K

Technical Information



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