



Designed to Deliver



ILLUMINATING EDUCATION





LIGHTING THE WAY FOR LEARNING

Lighting plays a crucial role in the creation of an effective learning environment and should be the cornerstone of the creation of a safe, positive, accessible educational space. Light can positively impact the learning experience by improving visual accessibility for every user, enhancing motivation and wellbeing and improving the communication between student and teacher.



Designed to Deliver

CONTENTS

06

YOUR STUDY GUIDE

Lighting has an important impact on the brain's ability to focus

08

LIGHTING FOR EVERY TYPE OF LEARNING

Ansell Lighting can illuminate all types of spaces within the education sector

10

INDOOR SPACES

Indoor spaces require a diverse range of lighting to serve the demands of the area effectively. This in turn can help promote productivity, comfort and wellbeing of students and faculty members.

12

ILLUMINATE THEIR MINDS

Classroom lighting design plays a central role in the overall learning experience

14

TOP OF THE CLASS

LED Backlit Panels

26

LECTURE THEATRES

Lecture theatres require well-considered lighting design

32

LIBRARIES AND STUDY AREAS

Libraries and study areas require a variety of different lighting solutions to effectively accommodate a range of tasks

34

LABORATORIES

Laboratories require a specialist approach to lighting solutions

36

SPORTS HALLS

When designing lighting schemes for sports halls it is important to consider the range of sports it will host

38

CORRIDORS AND COMMUNAL AREAS

Bright and clear illumination should be the main objective for any lighting scheme in transit area

44

DINING AND BREAKOUT

Used throughout the day and often into the evening hours, dining and breakout areas require variable lighting schemes to create different ambiances as the day progresses.

48

OFFICE AND ANCILLARY AREAS

Comfort and visibility are key in offices and other administrative areas

52

EMERGENCY LIGHTING

Emergency lighting is a legal requirement in all educational buildings

54

LIGHTING CONTROLS

Controls are a key element of any lighting installation and play a central role in ensuring energy efficient operation

56

OUTDOOR SPACES

Outdoor lighting plays a vital role in enhancing the usability and enjoyment of these spaces and serves as a powerful tool to promote safety and wellbeing.

58

OUTDOOR LIGHTING

Outdoor lighting schemes must take into account the needs of both pedestrians and road users

YOUR STUDY GUIDE

Lighting has an important impact on the brain's ability to focus.

As a result, it can have a huge influence on the way we learn, making good lighting a vital part of effective educational environments.

Today's educational settings are people focused, flexible and multi-use, accommodating technologies such as interactive whiteboards, tablets and laptops, as well as spaces for group work,

quiet study or interactive learning.

Ansell Lighting is an expert in the relationship between the lit environment and the wellbeing, productivity and concentration of users. From entrance halls to classrooms, lecture theatres to libraries, our experienced team know how to use light to create the right environment for students and teachers.



Illuminated learning

The most obvious role of lighting in an educational setting is to ensure that classrooms have the right illumination to help staff to teach and students to study. It also enables them to travel safely around the school building.

However, research shows that light is one of the biggest influences on our circadian rhythm or 'body clock', helping to regulate basic functions such as the sleep-wake cycle and feeling hungry. Varying colours and tones can also affect mood. For example, people exposed to cooler light feel more alert and productive, while warm lighting can promote creativity and problem solving.

So, a good lighting project can help create a learning environment which is not only practical and safe, but also promotes the wellbeing of students and staff.

LIGHTING FOR EVERY TYPE OF LEARNING

Within the sphere of education there exists a wide variety of spaces with a specialised focus, subject and area, from the science lab to the classroom, to the library or the university lecture theatre. Ansell Lighting can illuminate them all.

Primary

The primary setting is the first formal experience of education for children and primary age pupils typically spend more than 7,000 hours at school before they transition to secondary school.

Unique to the primary experience, the majority of this time is spent in a single classroom used for everything from reading and writing to art and craft.

At Ansell Lighting we believe good lighting can improve early years learning, concentration, engagement, health and performance.

As well as offering dynamic lighting controls for classrooms, we can provide a warm and reassuring welcome to reception areas, light up sports halls and playgrounds and ensure car parks and external areas are safe.

Universities

Universities can be challenging spaces to light. Campus buildings in the UK range from period architecture requiring sensitivity, to cutting edge modern design.

Learning spaces within the university environment are also diverse, ranging from lecture theatres, classrooms, art studios, laboratories and study spaces.

Our wide range of luminaires offer effective solutions for all learning environments, allowing the creation of a lighting scheme that can enhance learning, architecture and user wellbeing, whilst delivering compliance and energy efficiency.

Secondary

As children move through the education system, their needs and the lighting requirements of the built environment change.

The impact of lighting on wellbeing becomes increasingly important. The circadian rhythm of an adolescent is different to that of an adult. Adolescents tend to go to sleep much later; therefore, when they rise early for school, their sleep-wake cycle is being disrupted. Here, lighting must play a key role in managing this disruption in order to improve concentration, behaviour and wellbeing.

Secondary schools have a diverse range of spaces with specific lighting requirements, from science laboratories and media labs to sports halls and study rooms. Ansell Lighting has a comprehensive range of lighting to suit each environment. And, alongside the direct learning environments, we can effectively illuminate car parks and exterior areas and playing fields.

External spaces

As well as providing lighting solutions for internal education spaces, Ansell Lighting also has considerable expertise in lighting the external environment.

Whether that is the architecturally important façade of the building, the entrance, playground or car park, we have a comprehensive range of robust lighting solutions.



Make t the subject of the formula $k = 2(t+3)$

$$k(t-3) = 2(t+3) \quad (t-3)$$

$$kt - 3k = 2t + 6$$

$$kt - 2t - 3k = 6 \quad -2t$$

$$kt - 2t - 3k + 6 + 3k$$

$$t(k-2) + 3k$$

Find the value of $\left(\frac{216}{1000}\right)^{\frac{2}{3}}$

$$\left(\frac{3 \sqrt[3]{1000}}{\sqrt{216}}\right)^2 = \left(\frac{10}{6}\right)^2 = \frac{100}{36}$$

Prove that the decimal $0.333333\ldots$ has a value of $\frac{1}{3}$

$$\begin{aligned} 10x &= 3.333333\ldots \\ 100x &= 33.333333\ldots \\ 100x - 10x &= 33.333333\ldots - 3.333333\ldots \\ 90x &= 30 \\ x &= \frac{30}{90} = \frac{1}{3} \end{aligned}$$

INDOOR SPACES

Within a school environment, there exists a diverse range of indoor settings. Each of these spaces demands appropriate lighting to serve its unique purpose effectively. By understanding the significance of tailored lighting in these different environments, educational institutions can create spaces that promote productivity, comfort, and wellbeing for students and faculty alike.

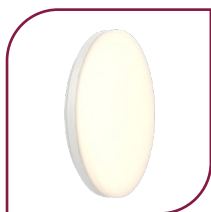
COMMUNAL AREAS
SURFACE LINEAR



LECTURE THEATRES
SUSPENDED LINEAR



STAIRWELLS
BULKHEAD



ANCILLARY AREAS
BATTEN



LECTURE THEATRES
BI-DIRECTIONAL LINEAR



Appropriate illumination is especially critical for tasks that demand reading, writing, and engaging with visual materials in educational settings. Educators have the power to create an atmosphere that is truly conducive to learning by meticulously ensuring that the lighting

levels align with the specific instructional activities taking place throughout the day.

In this next section we will be taking you through our range of indoor luminaires which we have carefully crafted for this type of environment.

LIBRARIES & STUDIES
RECESSED MODULAR



DINING & BREAKOUT
PENDANT



COMMUNAL AREAS
DOWNLIGHT



CLASSROOMS
BACKLIT PANEL



SPORTS HALL
HIGH/LOW BAY



ILLUMINATE THEIR MINDS

As one of the most utilised spaces in an educational setting, classroom lighting design plays a central role in the overall learning experience.

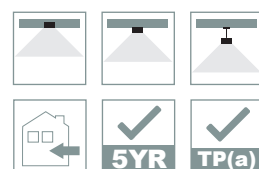
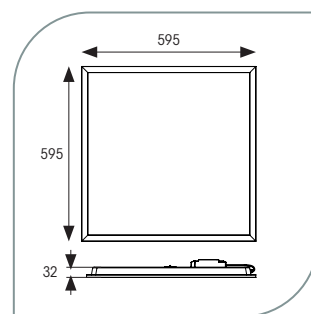
At every stage of the journey, from pre-school to further education, the effective illumination of workspaces and teaching areas can have a huge impact on the outcomes achieved. From boosting concentration and productivity to heightening creativity, lighting is important to health and wellbeing, contributing to a positive learning experience.

When it comes to classroom illumination, there is no 'one size fits all' solution but there are a number of definite requirements. Low glare fittings are critical in a learning environment, ensuring visual comfort whether users are working at desks, on computers or looking towards the walls. Controllability is also essential, allowing for variations in colour, colour temperature and brightness to produce an array of different scenes that can help to set mood and deliver the desired working environment. Lighting standards dictate that fittings should be dimmable, achieve 300 lux during the day, 500 lux at night and have a minimum IP rating of 40.

With a variety of tasks carried out in classrooms, lighting installations should also be varied and flexible. UGR<19 rated recessed modular lighting such as Volo is ideal for spaces where a minimal design is favoured. Featuring high powered optics,

Volo provides dual direct/indirect output, providing the perfect combination of task and ambient lighting from one source. Other available recessed lighting options which eliminate glare for visual comfort include Juno and the Lota CCT recessed modular, and our backlit LED panel, **Pace**.

Suspended low-glare fittings such as Adrina, Humber, Gemini and Marlo are also great options. Available in a range of lengths, they can be individually or continuously mounted, are efficient to run and deliver even, bi-directional illumination.



IP40

Pace

The PACE LED backlit panels are suitable for use in education environments



Slimline design allows for installation into shallow ceiling voids



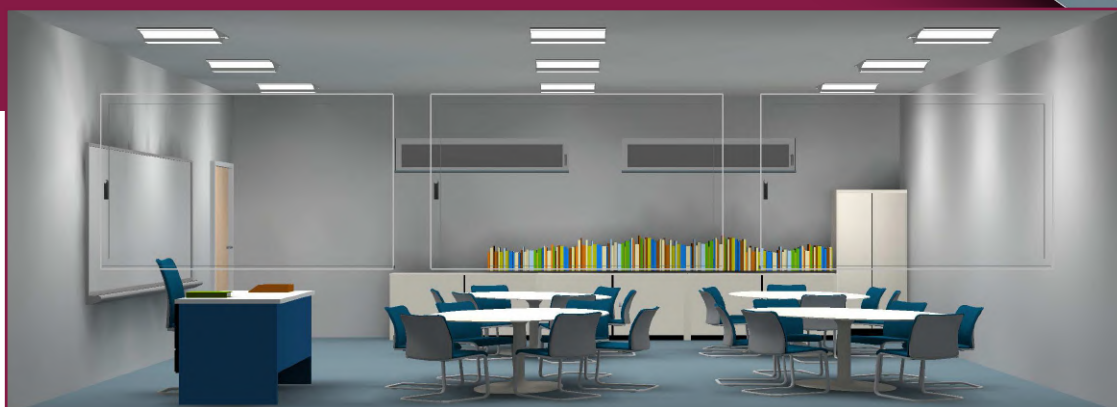
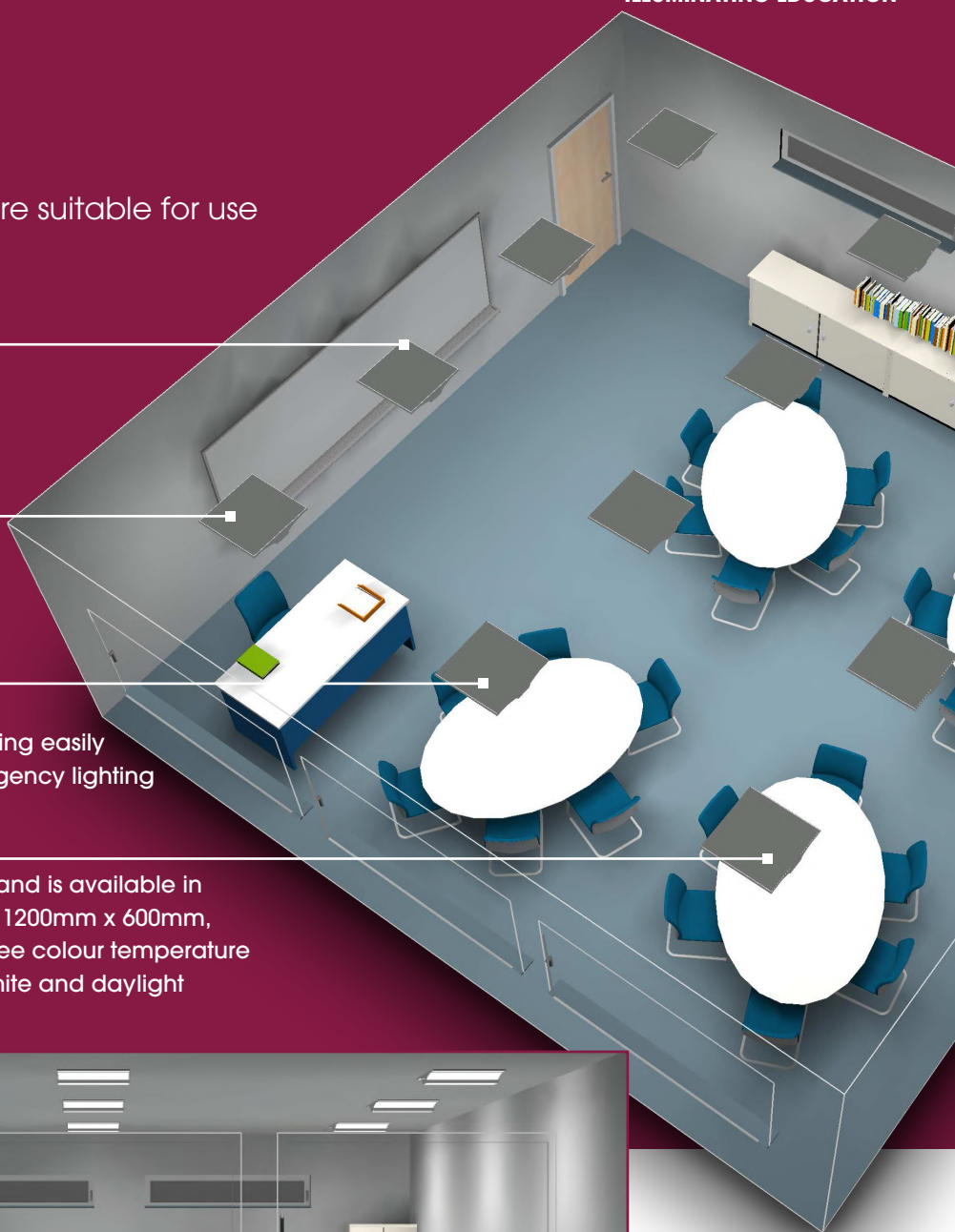
Dimming, emergency and OCTO smart control options available



Self-Test Panel Pod and Sensor Pod compatible offering easily installed, retrospective emergency lighting



The Pace is TPa as standard and is available in three sizes 600mm x 600mm, 1200mm x 600mm, 1200mm x 300mm and in three colour temperature options, warm white, cool white and daylight

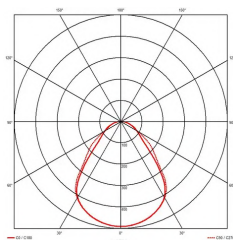


Scan here for Pace LED details



The Pace is available with the following options:

- DALI Emergency
- OCTO Smart Control
- Digital Dimming (DD1/DD3/DD4)



Panel Pod™



OCTO
Option Available

Powered by CASAMBI



TOP OF THE CLASS

LED Backlit Panels



Volo

- Architectural LED recessed modular suitable for education, commercial and healthcare applications
- High performance indirect recessed luminaire
- Can be surface and suspended, suspension kit supplied separately
- Dual direct/indirect output. Direct from the centre micro-prism central diffuser coupled with indirect output from the side diffuser sections. Providing a perfect combination for task and ambient lighting from one source
- Selectable CCT between 3000K and 4000K
- OCTO tunable white option (3000K-6500K)
- Integral PIR option discreetly positioned in the end cap
- High performance optics provide high efficiency while still offering optimum glare control and comfort for task/office applications
- TP(a) as standard



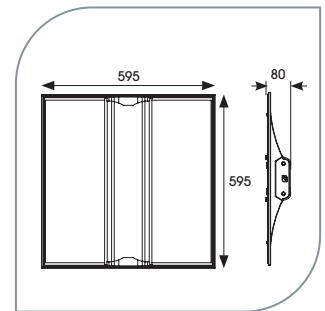
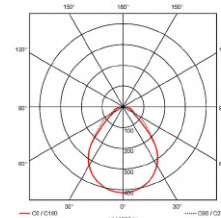
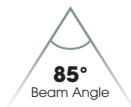
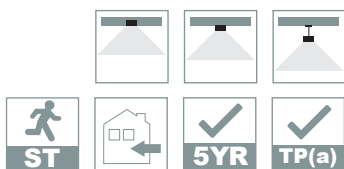
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CASAMBI



AVOLO
only



AVOLO/TW/OCTO
only



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50/60Hz	-20°C to 50°C	L80 82,000	80	3	85°	1	IP40

Code	Description	Wattage	CCT	Lumens	LMW	UGR
AVOLO	600 x 600 - CCT Selectable	21/34W	3000K/4000K	2700lm - 4200lm (4000K)	128lm/W - 124lm/W (4000K)	17
AVOLO/TW/OCTO	600 x 600 - Tunable White	42W	2700K-6500K	3200lm - 3700lm (2700K - 6500K)	76lm/W - 88lm/W (2700K - 6500K)	17

Code (options)	Description
/M3	Emergency
/SM3	Self-Test emergency
/DM3	DALI emergency

Code (options)	Description
/PIR	PIR
/DD	Digital Dimming (DD1/DD3/DD4)
/OCTO	OCTO Smart Control

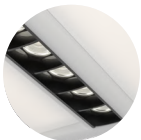
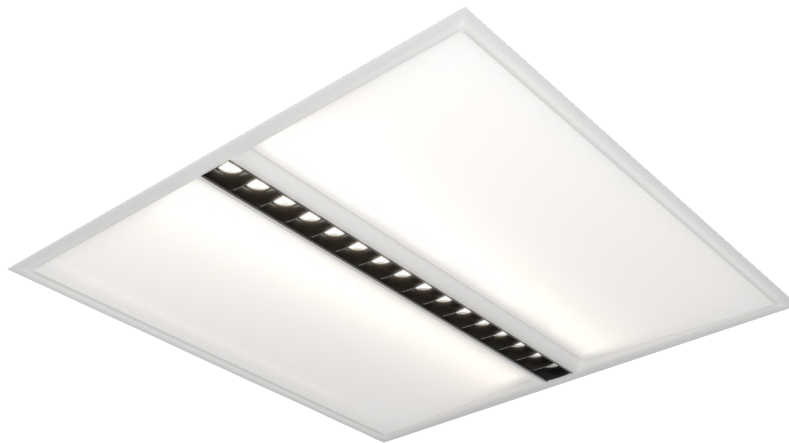
Code (Accessories)	Description
AVOLO/SK	AVOLO/SK Suspension Kit 1.5m
AARX60K/1	600x600 Anti-Ligature Kit

Juno

- Architectural LED recessed modular
- UGR<19 (unified glare rating) compliant luminaire assisting to eliminate glare for visual comfort
- Dual direct / indirect output. Direct from the centre micro-prism centre line coupled with indirect output from the side diffuser sections. Providing a perfect combination for task and ambient lighting from one source
- Black polycarbonate micro reflector low glare design
- Micro-prism diffuser design ensures reduced glare and visual comfort
- Power and CCT selectable; offering a choice of 4 outputs and 3 colour
- OCTO compatible tunable white version available with CCT selection between 2700K-5000K ideal for any Human Centric Lighting requirements
- TPa as standard



Powered by
CASAMBI



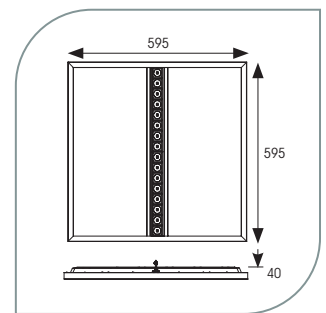
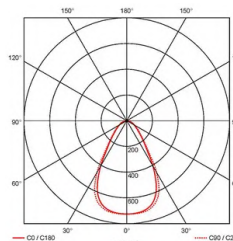
Micro-prism diffuser design ensures reduced glare and visual comfort



Black polycarbonate micro reflector design provides low glare



Indirect illumination provided from the side and direct illumination from the centre



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50-60Hz	-10°C to 45°C	L70 54,000	80	6	70°	2	IP40

Code	Description	Wattage	CCT	Lumens	LMW	UGR
AJUN/1	600 x 600 - Cool White	20W-36W	3000K/4000K/5000K	2500lm - 4400lm (4000K)	125lm/W (4000K)	18
AJUN/1/TW/OCTO	600 x 600 - Tunable White		2700K - 5000K	4100lm - 4200lm (3000K-6500K)		

* UGR Value based on (4H - 8H)

Code (options)	Description
/DM3	DALI emergency

Code (options)	Description
/OCTO	OCTO Smart Control
/DD	Digital Dimming (DD1/DD3/DD4)



s	v	z	sh	th	ng	
ss	ve	zz	ti		nk	
se		s	ci			
c		se				
ce						
p	qu	t	w	x	y	ch
pp		tt	wh			tch
e						
ge						
u	ay	ee	igh	ow		
	ā-e	y	i-e	ō-e		
	ai	ea	ie	oa		
		e	i	o		
	e-e		y			
ir	ir	ou	oy	ire	ear	ure
re	ur	ow	oi			
	er					



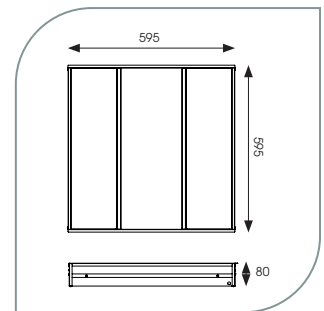
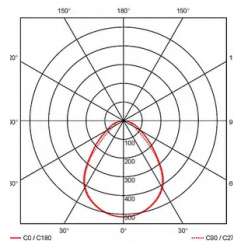
Lota

- UGR<19 (unified glare rating) compliant luminaire ideal for most interiors
- Selectable CCT between 3000K, 4000K and 6000K output
- Powder coated steel construction
- LED lifespan L80 B10 54,000 hours
- TPa as standard



OCTO
Option Available

Powered by
CASAMBI



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50-60Hz	0°C to 40°C	L80 54,000	80	6	85°	2	IP20

Code	Description	Wattage	CCT	Lumens	LMW	UGR
ALOTLED	600 x 600 - CCT Selectable	31W	3000K/4000K/6500K	3200lm (4000K)	110	17

* UGR Value based on (4H - 8H)

Code (options)	Description
/M3	Emergency
/SM3	Self-Test emergency
/DM3	DALI emergency

Code (options)	Description
/OCTO	OCTO Smart Control
/DD	Digital Dimming (DD1/DD3/DD4)

Adrina

- High specification linear luminaire suitable for education, commercial and large retail applications
- UGR<19 (unified glare rating) compliant luminaire assisting to eliminate glare for visual comfort (AADRINA5 only)
- Supplied bi-directional light output as standard (directional only option can be selected if required)
- CCT selectable between 3000K and 4000K
- Suitable for individual or continuous surface or suspension mounting
- Dimmable and OCTO options available
- Powered by Tridonic

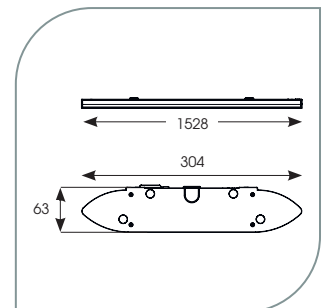
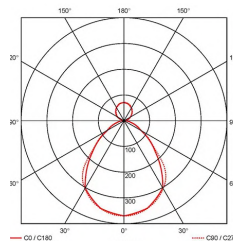


OCTO
Option
Available

Powered by
CASAMBI



(AADRINA5 only)



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50-60Hz	-20°C to 45°C	L80 100,000	80	3	80°	1	IP20

Code	Description	Wattage	CCT	Lumens	LMW	UGR
AADRINA5	1500mm - CCT Selectable	27W	3000K/4000K	3600lm (4000K)	130lm/W (4000K)	19
AADRINA2X5	1500mm - CCT Selectable HO	50W	3000K/4000K	3600lm (4000K)	130lm/W (4000K)	20

* UGR Value based on (4H - 8H)

Code (options)	Description
/SM3	Self-Test emergency
/OCTO	OCTO Smart Control
/DD	Digital Dimming (DD1/DD3/DD4)

Code (accessories)	Description
AADRINA/SK	Adrina Suspension Kit
AADRINA/SMK	Adrina Surface Mounting Kit
AADRINA/600	Adrina Infill 600mm



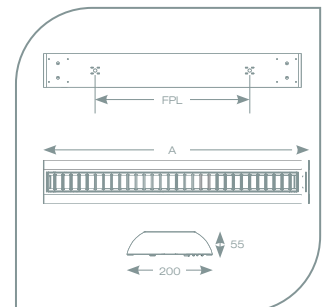
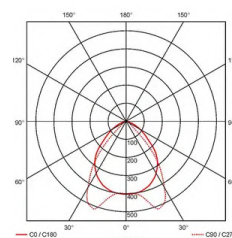
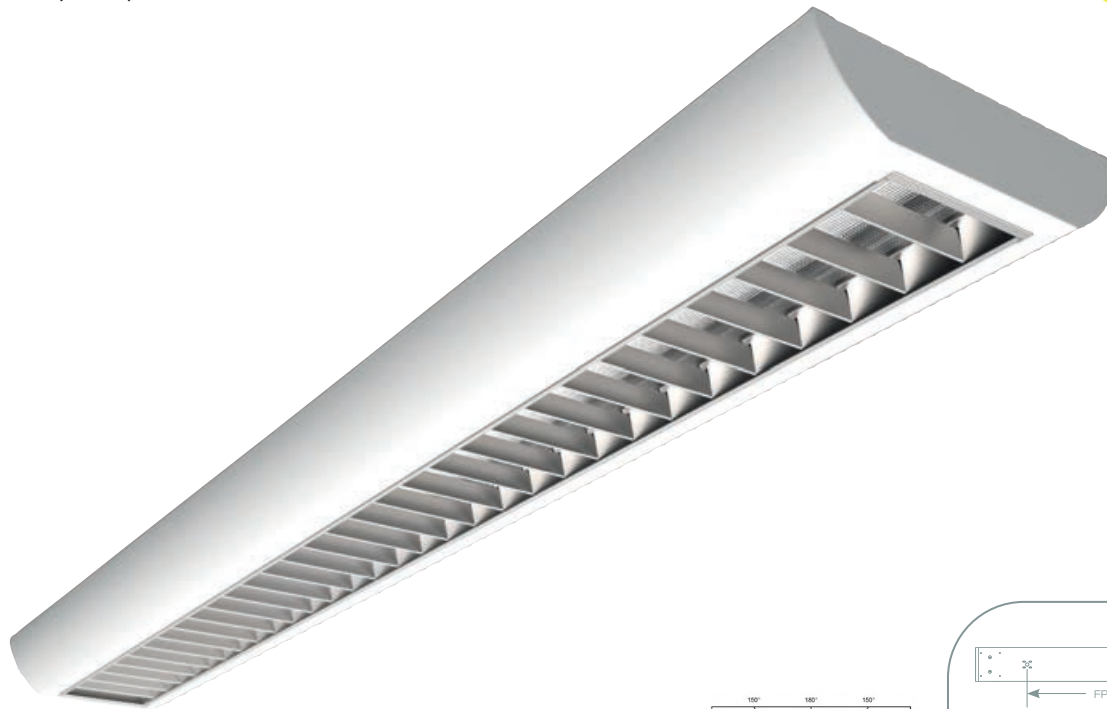


Crescent

- High specification fully enclosed linear luminaire
- Steel powder coated body for enhanced durability
- Polycarbonate diffuser and polished louvre for excellent photometric performance
- Integral switches for multiple wattages and selectable CCT
- CCT selectable between 3000K and 4000K
- Suitable for surface mounting and suspension
- Powered by Philips



Powered by
CASAMBI



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50/60Hz	-20°C to 50°C	L80 100,000	80	3	80°	1	IP20

Code	Description	Wattage	CCT	Lumens	LM/W	UGR	A	FPL
ACRESLED4	1 x 1200mm - CCT Selectable	21W - 35W	3000K/4000K	3100-4900 lm (4000K)	146-139lm (4000K)	19	1200mm	600mm
ACRESLED5	1 x 1500mm - CCT Selectable	34W - 40W	3000K/4000K	4900-5600lm (4000K)	143-139lm (4000K)	19	1500mm	900mm

* UGR Value based on (4H - 8H)

Code (options)	Description
/M3	Emergency
/SM3	Self-Test Emergency

Code (options)	Description
/DM3	DALI Emergency
/DD	Digital Dimming (DD1/DD3/DD4)

Code (accessories)	Description
ASK1	Suspension Kit 1.3m

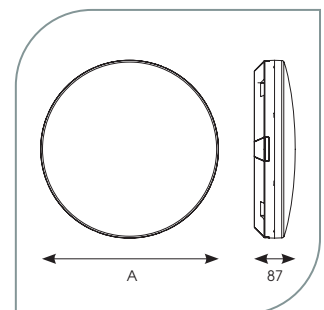
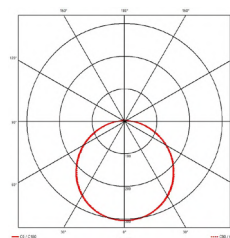
Mercurial

- Utility LED wall/ceiling luminaire suitable for education and commercial applications and ancillary areas
- CCT selectable between 3000K and 4000K and power selectable; offering a choice of 2 outputs, in one luminaire (AMER1/1/** only)
- Corridor function options available for effective reduction in energy consumption
- Side conduit entry covers retain sleek appearance when not in use
- Clip in gear tray ensures quick installation



OCTO
Option Available

Powered by
CASAMBI



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP	IK
220/240V	50/60Hz	-20°C to 40°C	L70 80,000	80	3	120°	2	IP54	IK07

Code	Description	Wattage	CCT	Lumens	LM/W	A
AMER1/1/W	CCT Selectable - White 370mm	13/20W	3000K/4000K	1900lm - 2700lm(4000K)	135lm/w (4000K)	370mm
AMER1/1/S	CCT Selectable - Silver 370mm	13/20W	3000K/4000K	1900lm - 2700lm(4000K)	135lm/w (4000K)	370mm
AMER2/1/W	CCT Selectable - White 500mm	34W	3000K/4000K	4700lm (4000K)	130lm/w (4000K)	500mm
AMER2/1/S	CCT Selectable - Silver 500mm	34W	3000K/4000K	4700lm (4000K)	130lm/w (4000K)	500mm

* UGR Value based on (4H - 8H)

Code (accessories)	Description
/SM3	Self-Test Emergency
/DM3	DALI emergency
/OCTO	OCTO Smart Control

Code (options)	Description
/MWS	Integral Microwave Sensor
/DD	Digital Dimming (DD1/DD3/DD4)
/CF	Corridor Function

Code (Options)	Description
ABSK/3	Bulkhead Suspension Kit



LECTURE THEATRES



Lecture theatres require well-considered lighting design if a comfortable yet productive learning environment is to be created.

To achieve optimum results, specification should be focussed on two individual areas - the needs of the presenter and the needs of the audience.

For the presenter, lighting that delivers good facial recognition is essential, enabling the individual to view the audience effectively, whilst also being easy to control and operate. For the audience, lighting should be practical to aid note taking and enhance concentration, whilst also being low glare and visually comfortable.

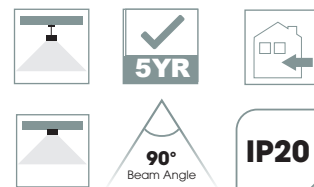
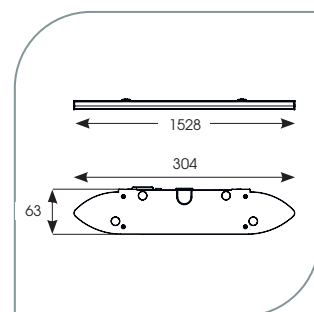


The Adrina bi-directional light is perfect for environments such as lecture theatres



Lighting standards require lighting installations in auditoriums to be dimmable and achieve illumination levels of 500 lux. Smart lighting controls (such as OCTO) would also be a benefit for pre-commissioned scenes for different types of presentations.

Horizontal illuminance is a must for audience areas, making suspended linear products such as Vasco and Adrina ideal. Dimmable and CCT selectable, both provide bidirectional light output and can be used to achieve a UGR<19 rating.



Adrina

Bi-directional suspended pendant suitable for lecture theatres and study areas



Slimline design allows for installation into bi-directional light output as standard



Selectable CCT between 3000K and 4000K



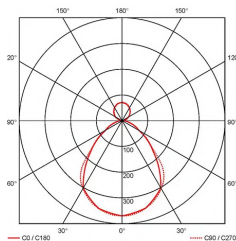
Continuous linking connections available



Adrina fitted with suspension kit

The Adrina is available with the following options:

- 1500mm CCT Selectable
- 1500mm CCT Selectable High Output
- Self-Test Emergency, OCTO Smart Control, Digital Dimming options available. Suspension, surface and continuous linking kits available.



- Aluminium bi-directional suspended pendant
- Supplied bi-directional light output as standard (directional only option can be selected if required)
- High output, high efficiency 90° lens technology offers optimum glare control and comfort for task / office applications.
- Pre-wired with 2 metre cable
- Adjustable suspension points c/w suspension kit
- Powered by Tridonic



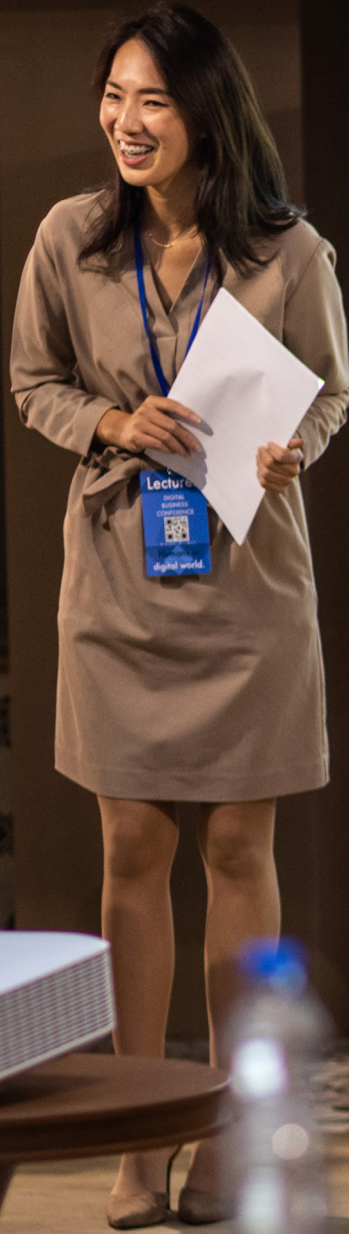
Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50/60Hz	0°C to 25°C	L80 36,000	90	3	90°	1	IP20

Code	Description	Wattage	CCT	Lumens	LM/W	UGR	A
AMARLED4/CW	1200mm - Cool White	38W	4000K	3730lm	98lm	16	1140mm
AMARLED4/WW	1200mm - Warm White	39W	3000K	3400lm	86lm	15	1140mm
AMARLED5/CW	1500mm - Cool White	54W	4000K	4800lm	88lm	12	1700mm
AMARLED5/WW	1500mm - Warm White	54W	3000K	4500lm	83lm	13	1700mm

* UGR Value based on (4H - 8H)

Code (accessories)	Description
/DD	Digital Dimming (DD1/DD3)





DIGITAL TRANSFORMATION

Digital business conference



Analysis

This analysis focuses on understanding the needs of the business, its strategic direction, and identifying initiatives that will help the business to meet those strategic goals. It also includes:

- Creating and maintaining the business architecture
- Conducting feasibility studies
- Identifying new business opportunities
- Scoping and defining new business opportunities
- Estimating the business case
- Conducting the initial risk assessment

Vasco

- Aluminium bi-directional suspended or surface linear suitable for education, commercial and retail applications
- Aluminium extruded construction with integral driver
- Supplied bi-directional light output as standard with 30% upward light and 70% downward light ratio (directional only option can be selected if required)
- Opal diffuser provides optimal light uniformity
- Selectable CCT between 3000K, 4000K and 6500K output
- Pre-wired with 1.5 metre cable
- Adjustable suspension points c/w suspension kit
- Surface and track mounting available using AVAS/WM/1 and AVAS/P3/1/* accessories
- 1-10V dimmable as standard



OCTO
Option Available

Powered by
CASAMBI



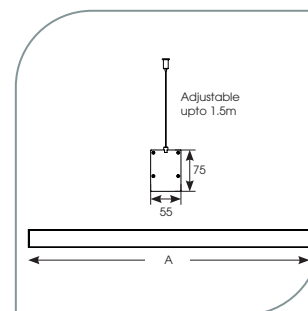
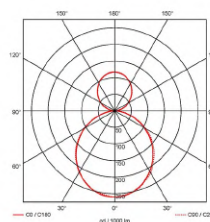
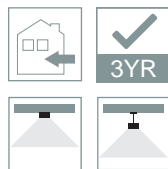
AVASLED/LC - Linking Connector



Black



Fitted with AVASLED/90/B 90° Corner Connector



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50/60Hz	-20°C to 45°C	L80 69,000	80	6	130°	1	IP20

Code	Description	Wattage	CCT	Lumens	LM/W	UGR	A
AVASLED	1200mm - Aluminium	50W	3000K/4000K/6500K	5300lm (4000K)	105lm/W (4000K)	24	1200mm
AVASLED/B	1200mm - Black	50W	3000K/4000K/6500K	1600lm (4000K)	105lm/W (4000K)	24	1200mm
AVASLED/LO	1200mm - Aluminium - LO	15W	3000K/4000K/6500K	1600lm (4000K)	105lm/W (4000K)	20	1200mm
AVASLED/LO/B	1200mm - Black - LO	15W	3000K/4000K/6500K	1600lm (4000K)	105lm/W (4000K)	20	1200mm
AVASLED5	1500mm - Aluminium	60W	3000K/4000K/6500K	6300lm (4000K)	105lm/W (4000K)	23	1504mm
AVASLED5/B	1500mm - Black	60W	3000K/4000K/6500K	6300lm (4000K)	105lm/W (4000K)	23	1504mm
AVASLED5/LO	1500mm - Aluminium - LO	20W	3000K/4000K/6500K	2000lm (4000K)	103lm/W (4000K)	20	1504mm
AVASLED5/LO/B	1500mm - Black - LO	20W	3000K/4000K/6500K	2000lm (4000K)	103lm/W (4000K)	20	1504mm

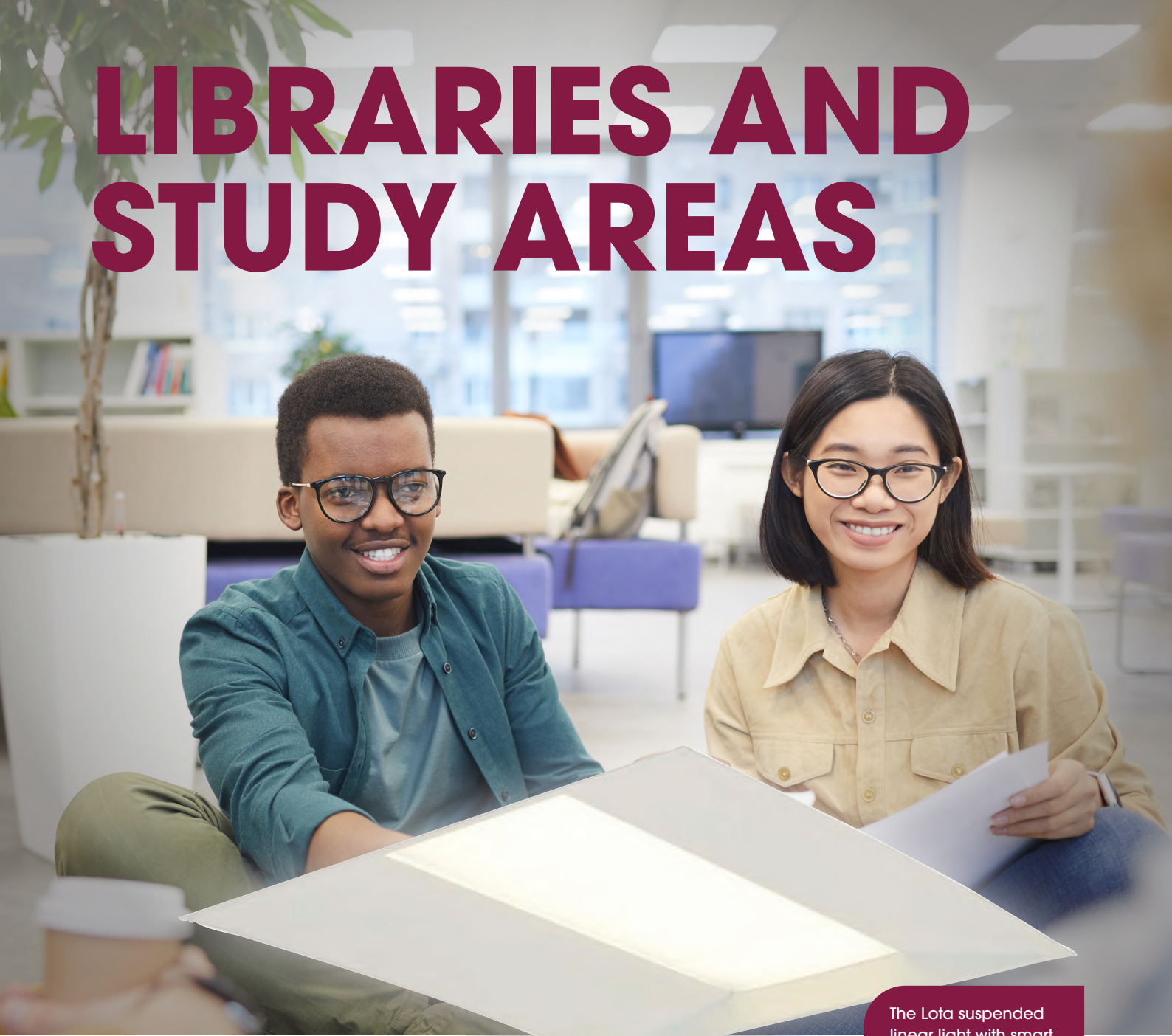
* UGR Value based on (4H - 8H)

Code (accessories)	Description
AVASLED/LC	Continuous Linking Connector
AVASLED/90	90° Corner Connector - Aluminium
AVASLED/90/B	90° Corner Connector - Black

Code (options)	Description
AVAS/WM/1	Wall Mounting Kit
AVAS/P3/1/W	Track Adaptor - White
AVAS/P3/1/B	Track Adaptor - Black

Code (Options)	Description
/OCTO	OCTO Smart Control

LIBRARIES AND STUDY AREAS



The Lota suspended linear light with smart control for visual comfort to enhance concentration

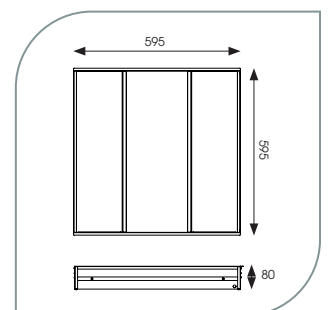
Typically comprising individual study spaces, areas for group collaboration, book storage and digital zones, libraries and study areas require a variety of different lighting solutions to effectively accommodate a range of tasks.

As with most learning areas, delivering visual comfort is key and lighting colour and colour temperature should be controllable to enhance concentration and productivity, given these spaces are often used for long periods of time.

In communal study areas, UGR<19 rated recessed modular lighting such as Lota is ideal, delivering optimum light distribution and offering selectable CCT, whilst in individual spaces, downlighting such as Vantage or Unity provide focussed illumination of the work area with low risk of glare.

Book storage and computing areas will benefit from horizontal lighting solutions such as a suspended linear fitting. Humber would be the ideal solution, having been specifically designed with individual optics to help achieve low UGR compliance.

Lighting standards recommend that bookshelf areas have a lighting level of 200 lux, increasing to 500 lux in reading areas.



Lota

Suitable for libraries, study areas and classrooms



UGR<19 compliant luminaire suitable for most internal spaces



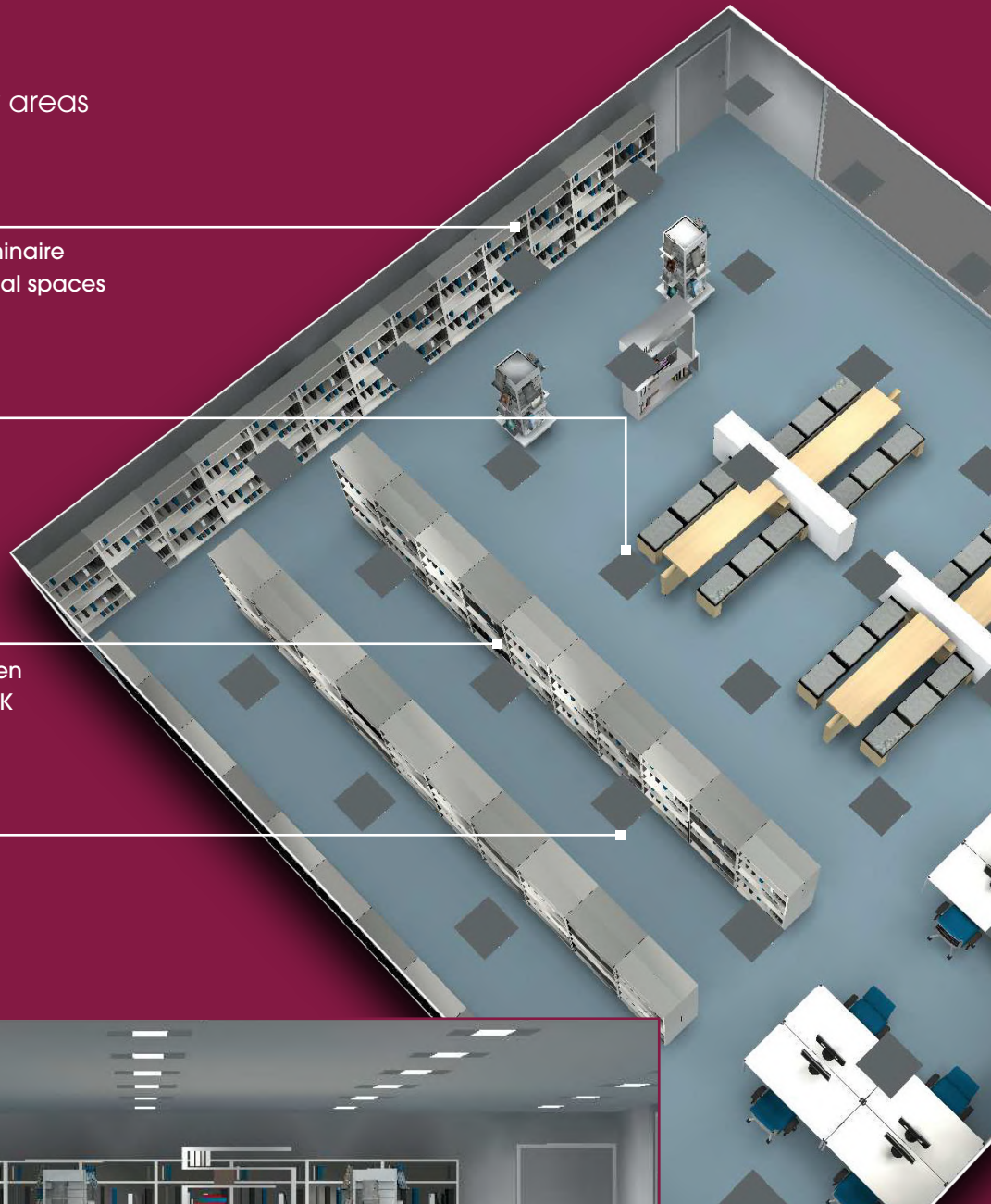
Dimming, emergency and OCTO smart control options available



Selectable CCT between 3000K, 4000K and 6500K

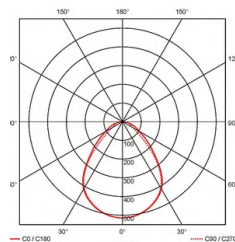


TPa as standard



The Lota is available with the following options:

- Emergency
- Self-Test Emergency
- DALI Emergency
- OCTO Smart Control
- Digital Dimming (DD1, DD3, DD4)



OCTO Option Available

Powered by CASAMBI



Scan here for full Lota details

LABORATORIES

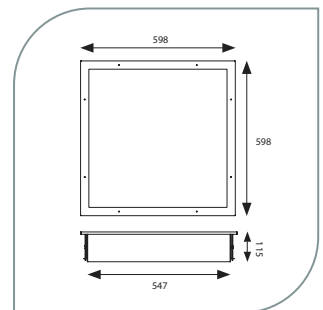


Given the nature of their use, laboratories require a specialist approach to lighting solutions.

A minimum illumination level of 500 lux is recommended throughout laboratory spaces, ensuring teaching and demonstration areas, alongside student work areas, are highly lit. With experiments regularly taking place, strong levels of illumination are required to ensure clear visibility and the safe handling of chemicals and other technical equipment.

The Defender is perfect for a controlled environment such as a laboratory where heat and chemical resistance is important.

In the event of spillages and heat exposure, light fittings are also required to have a high IP rating of 65 and should be resistant to chemicals. A clean air LED panel such as Defender is an excellent fitting for laboratory areas. Fitted with a TPa rated diffuser, it provides excellent diffusion and outstanding light transmission contained in a robust, high quality steel housing with welded frame.



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Defender

IP65

High quality steel housing with welded frame for an IP65 rating



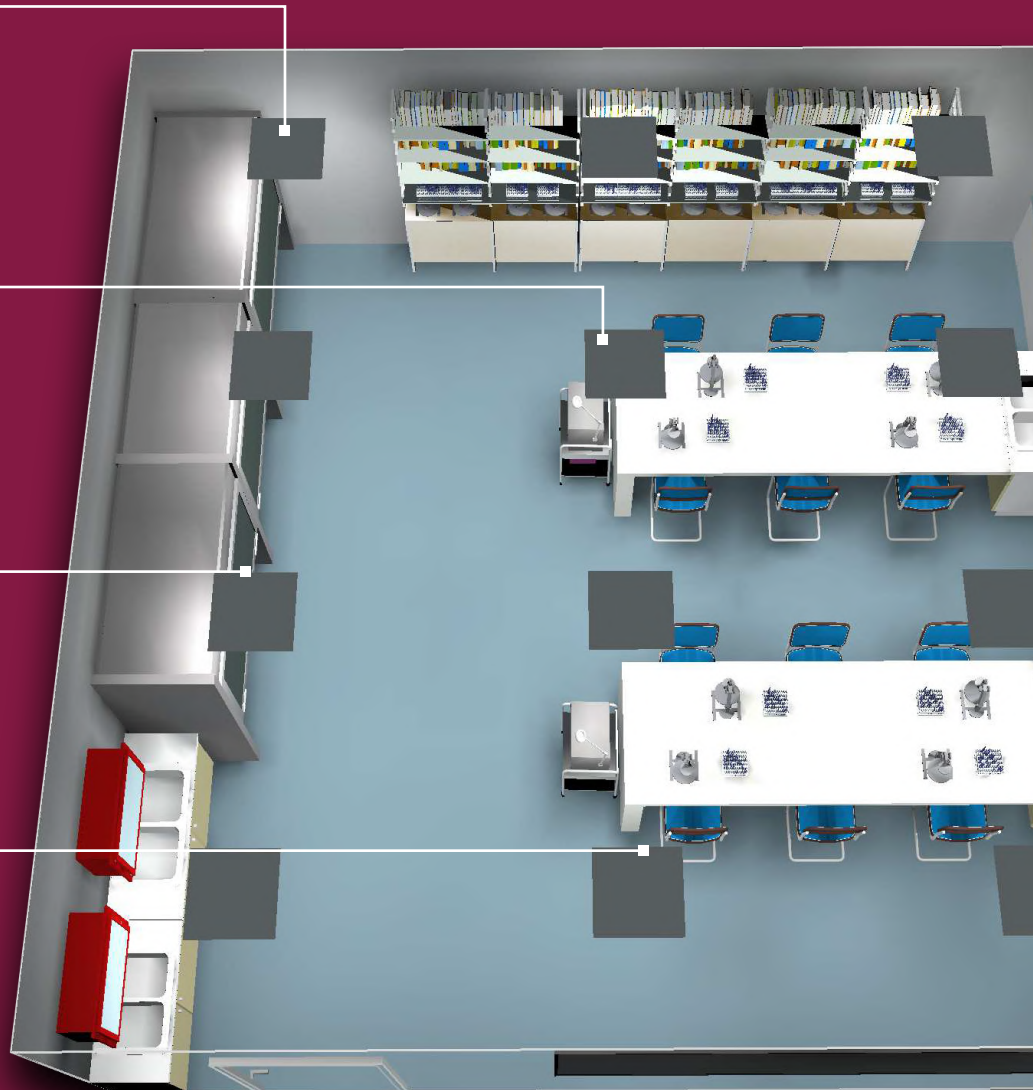
Dimming, emergency and OCTO smart control options available



Selectable CCT between 3000K, 4000K and 6500K

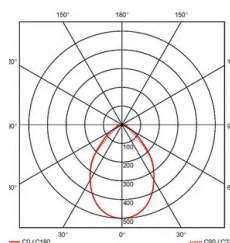


TPa as standard



The Defender is available with the following options:

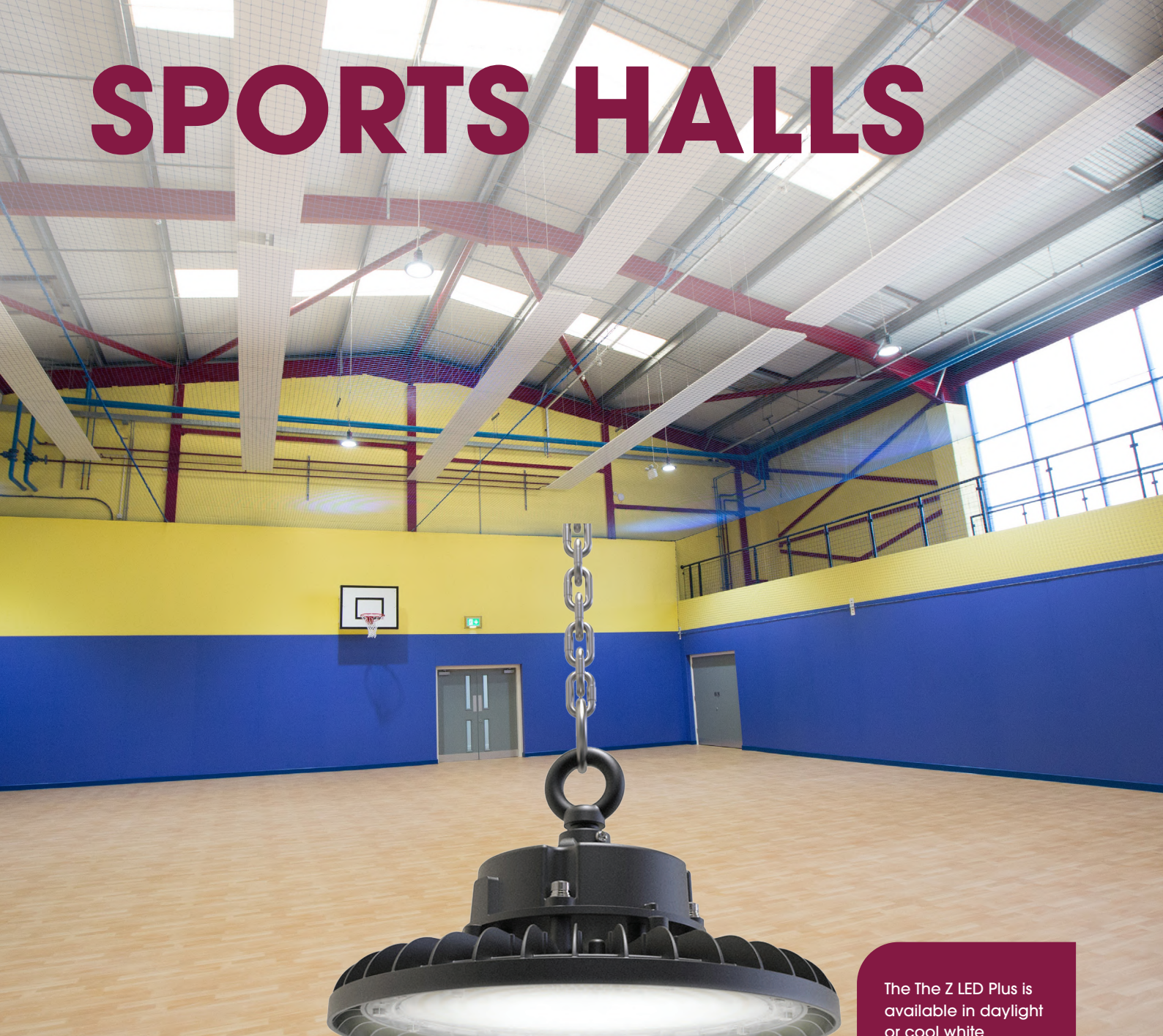
- Emergency
- Self-Test Emergency
- DALI Emergency
- OCTO Smart Control
- Digital Dimming (DD1, DD3, DD4)



Scan here for full Defender details



SPORTS HALLS



The Z LED Plus is available in daylight or cool white

The setting for a wide variety of different activities, when designing lighting schemes for sports halls it is important to consider the range of sports it will host, the level of play expected and any other potential uses of the space.

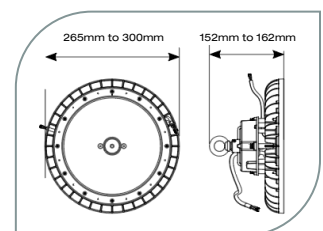
Light levels for school sports halls are specified at 300 lux, however if the space is also to be used for examinations or other clubs, a higher level of up to 750 lux may be required.

As a result, a flexible solution is often specified, capable of delivering different levels of lighting in assorted areas of the designated hall.

Glare is also a key consideration with a strong requirement for low-glare fittings to avoid any viewing obstructions.

Highbay lamps such as Z LED Plus are a great option for sports hall spaces. Highly efficient, they deliver 200 lm/W and are incredibly robust, dimmable and energy efficient.

Consideration should be given to lighting controls in order to change lux levels and output based on usage, and also the flexibility to have all or a section of lighting on, should only a partial area of the hall need illumination (OCTO).



Z LED Plus

Robust LED low/high bay is perfect for sports halls



Industry leading super high efficiency, 200 lm/W, robust low/high bay. Overall power consumptions reduced to offer traditional light output comparable to 100W, 150W and 200W but offering more accelerated energy savings



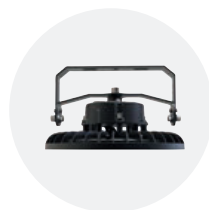
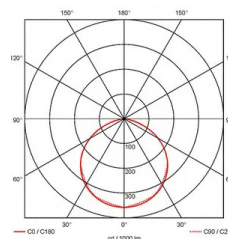
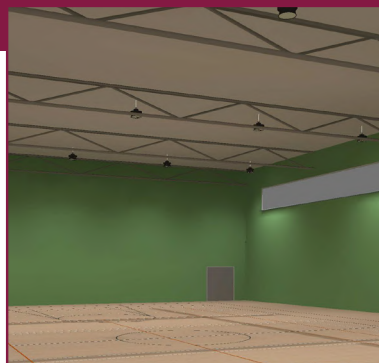
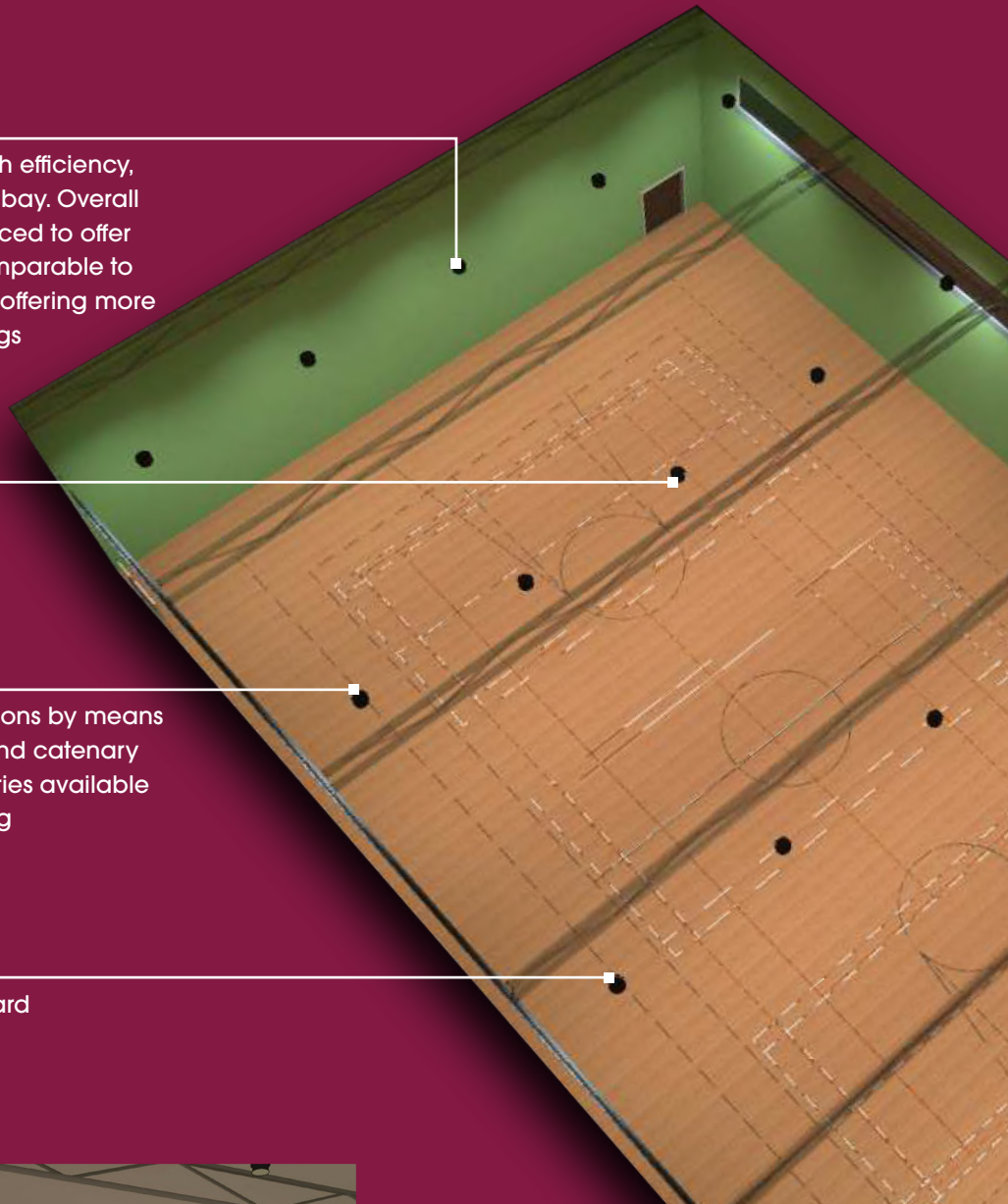
Emergency, OCTO Smart Control, dimming and microwave sensor options available



Alternative installation options by means of drop rods, jack chain and catenary wire with bracket accessories available for ceiling or wall mounting



1-10V dimmable as standard



AZLEDPLUS/FB1 - Mounting Bracket Accessory



AZLEDPLUS/REF - Aluminium Reflector



Powered by CASAMBI

CORRIDORS & COMMUNAL AREAS

Essential for safety, bright and clear illumination should be the main objective for any lighting scheme in transit areas such as corridors and communal spaces.

Illumination levels of around 250 lux are recommended in these areas to offer clear vision of the information presented.

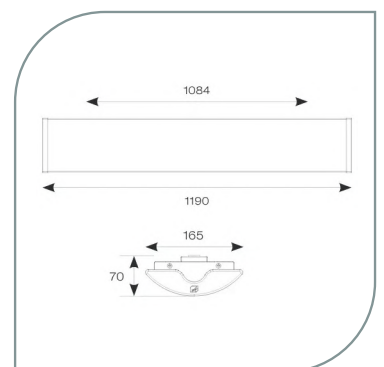
Emergency lighting is also an important requirement for transit areas, ensuring occupiers are able to exit the building safely during an emergency. Directional indicators and battery powered spots and bulkheads will provide clear guidance in the passageway in the event of loss of power.

Even though they are UGR<19 the Gemini CCT surface or suspended linear, or the more traditional looking high specification Crescent Linear, are suitable. For a discreet finish for narrow spaces, consider the slim, robust Ecoline batten.

Given their variety of potential uses, a range of solutions may be required but,

in general, the use of horizontal, linear or modular luminaires such as Vasco or Oxford are recommended for communal spaces. Such fittings will provide a wide distribution of light and keep shadowing and dark corners to a minimum. They are also robust and hardwearing, and therefore able to withstand high volumes of traffic. Illumination standards specify that to achieve a safe environment, floor level illumination should achieve at least 200 lux in transit areas.

In spaces where noticeboards or completed work are on display, additional fittings such as downlights are often specified to highlight wall spaces and here we would recommend a product such as Comfort Evo, a fully CCT selectable downlight. Another consideration would be Mercurial, a modern circular LED wall, which is energy efficient and available in two different finishes.



Oxford

Surface linear suitable for a wide range of settings in the educational sector



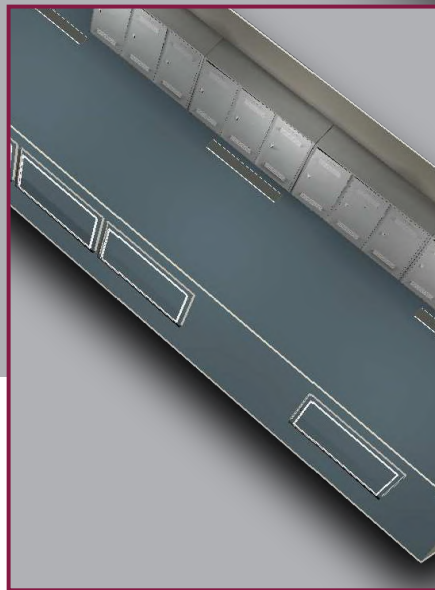
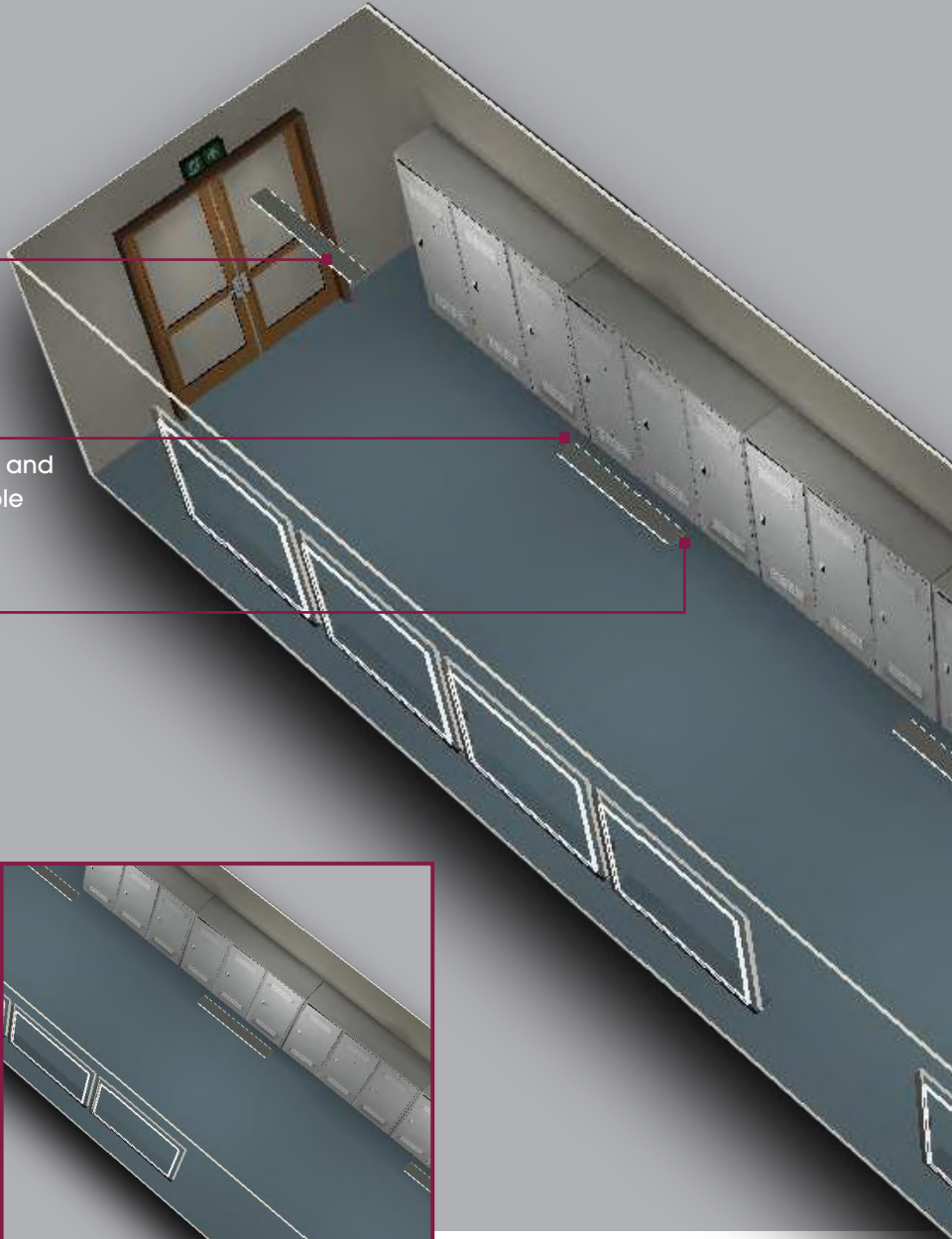
Modern fully enclosed surface luminaire with curved low profile appearance



Emergency, OCTO Smart control and Digital dimming options available

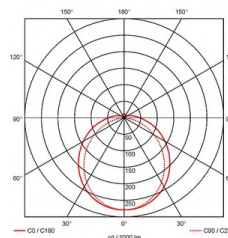


Integral switches for multiple wattages and selectable CCT between 3000K and 4000K



The Oxford is available with the following options:

- Emergency
- Self-test emergency
- DALI Emergency
- OCTO Smart control
- Digital dimming (DD1/DD3/DD4)



OCTO
Option
Available

Powered by
CASAMBI



Scan here for
full Oxford details



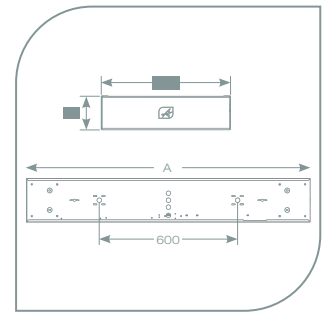
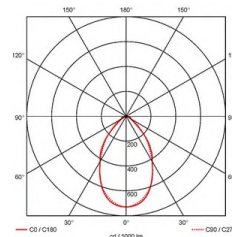


Gemini CCT

- High specification fully enclosed linear luminaire
- Push pin release design feature ensures a quick and easy installation
- Microprism diffuser for enhanced photometric performance
- Robust steel construction
- Integral switches for multiple wattages and selectable CCT
- CCT selectable between 3000K and 4000K
- Suitable for surface and suspension
- Powered by Philips



Powered by
CASAMBI



Input	Herz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50Hz	-20°C to 50°C	L70 54,000	80	3	70°	1	IP20

Code	Description	Wattage	Input	CCT	Lumens	LMW	A
AGELED4	1200mm - CCT Selectable	21W - 35W	3000K/4000K	2900/4700lm (4000K)	135lm (4000K)	18	1250mm
AGELED5	1500mm - CCT Selectable	25W - 40W	3000K/4000K	3300/ 5300lm (4000K)	131lm (4000K)	18	1530mm

* UGR Value based on (4H - 8H)

Code (options)	Description
/M3	Emergency
/DM3	Self-Test Emergency

Code (options)	Description
/DM3	DALI Emergency
/DD	Digital Dimming (DD1/DD3/DD4)

Code (accessories)	Description
ASK1	Suspension Kit 1.3m

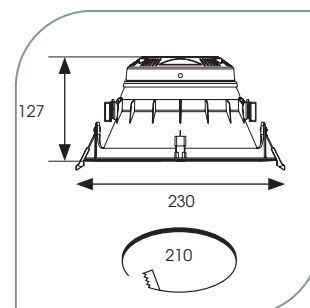
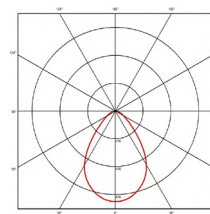
Comfort EVO

- Economic high performance CCT selectable IP44 downlight suitable for commercial and healthcare applications
- Intelligent and eco-friendly 3 part design allows end user the choice of either black or white reflector and trim accessories to add to the downlight (ACOM*/1), offering great customisation and product upgradability
- Deep cut-off angle for glare control and comfort
- CCT selectable between 3000K and 4000K and power selectable; offering a choice of 2 outputs, in one luminaire
- Downlight design allows installation into existing hole cut-outs of 210mm
- Anti-Ligature kit available for installation in secure environments such as healthcare and educational facilities
- Polycarbonate housing with unique thermal management for durability and optimum lifespan
- Dimmable and Emergency options, standard and Self-Test Emergency available using the Hawk Kit Emergency Pack



OCTO
Option
Available

Powered by
CASAMBI



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP
220/240V	50/60Hz	-20°C to 25°C	L80 60,000	80	3	80°	2	IP44

Code	Description	Wattage	CCT	Lumens	LM/W	UGR
ACOM1/1	CCT Selectable	7W/13W	3000K/4000K	1000lm - 1800lm (4000K)	130lm/W (4000K)	23
ACOM2/1	CCT Selectable	17W/21W	3000K/4000K	2300lm - 2800lm (4000K)	130lm/W (4000K)	23

* UGR Value based on (4H - 8H)

Code (options)	Description
/DM3	DALI Emergency

Code (options)	Description
/OCTO	OCTO Smart Control
/DD	Digital Dimming (DD1/DD3/DD4)

Code (accessories)	Description
ACOM/TR/W/1	Reflector and Trim White
ACOM/TR/B/1	Reflector and Trim Black
AARXDLK/1	Downlight Anti-Ligature Kit
AHUEMKIT/LI	Maintained/Non-maintained - Universal Emergency Pack



DINING AND BREAKOUT

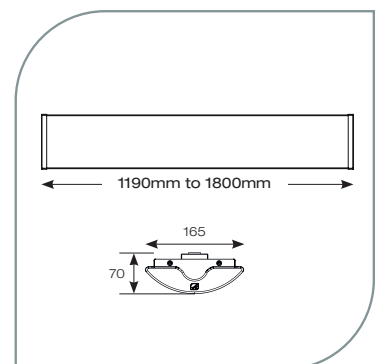


As principal social spaces, dining and breakout areas should be comfortable and welcoming, encouraging social interaction as well as relaxation.

Used throughout the day and often into the evening hours, dining and breakout areas require variable lighting schemes to create different ambiances as the day progresses. Illumination levels of 200 lux are recommended for these spaces, providing a comfortable scene. Design-led yet versatile fittings such as Oxford and Deco are ideal solutions, providing low glare illumination alongside

variable colour temperatures and intensities, for an adjustable setting. Alternatively, select Vasco, our aluminium bi-directional suspended pendant with selectable output and dimmable as standard.

In kitchen areas, lighting installations should deliver clear, wide-reaching illumination of 500 lux to ensure a safe working environment. Careful attention should also be given to positioning so that uniformity is achieved, whilst fittings require a high IP rating so that they can be hygienically cleaned and maintained. In kitchens, preparation and service areas, LED panel lights such as Defender are ideal, possessing a TPa rated diffuser for excellent light transmission, variable CCT outputs and an IP65 rating.



Oxford

Modern fully enclosed surface linear luminaire with curved low profile appearance



Choice of two outputs in one luminaire



Emergency, Dimmable, Self-test emergency and OCTO Smart options available

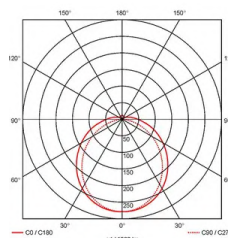


Power selectable offering multiple wattages and selectable CCT between 3000K and 4000K



The Oxford is available with the following options:

- Emergency
- Self-test emergency
- DALI Emergency
- OCTO Smart control
- Digital dimming (DD1/DD3/DD4)



OCTO Option Available

Powered by CASAMBI



Scan here for full Oxford details

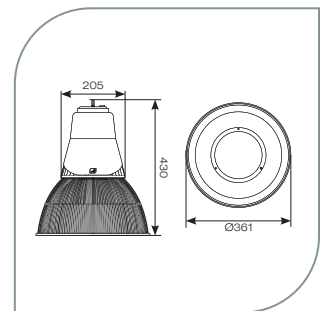
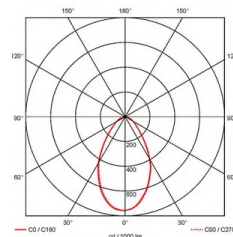
- Decorative modern LED CCT selectable pendant
- Supplied with either polycarbonate refractor or aluminium reflector
- Matt grey textured powder coated finish



Polycarbonate refractor



Aluminium reflector



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP	IK
230V	50/60Hz	-20 to 25°C	L70 54,000	80	5	65°	1	IP20	06

Code	Description	Wattage	CCT	Lumens	LMW
ADHBLED1/PC	CCT Selectable - c/w PC Refractor	40W	3000K/4000K	4600lm (4000K)	116lm (4000K)
ADHBLED2/PC	CCT Selectable - c/w PC Refractor	96W	3000K/4000K	10400lm (4000K)	116lm (4000K)
ADHBLED1/ALU	CCT Selectable - c/w Aluminium Reflector	40W	3000K/4000K	4500lm (4000K)	112lm (4000K)
ADHBLED2/ALU	CCT Selectable - c/w Aluminium Reflector	96W	3000K/4000K	11500lm (4000K)	119lm (4000K)

Code (options)	Description
/DD	/DD Digital Dimming (DD1/DD3)

Code (options)	Description
ADHBLED/PC/BC	PC Bottom Cover (360mm)
ADHBLED/SK	Suspension Kit



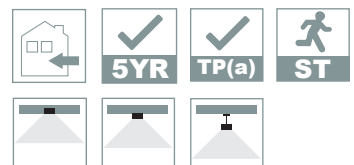
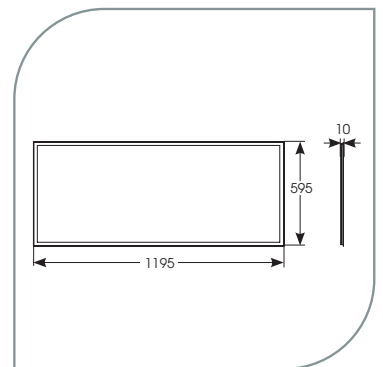
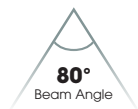
OFFICE & ANCILLARY AREAS



Comfort and visibility are key in offices and other administrative areas where staff spend an extended amount of time working at desks and on screens.

For this reason, UGR<19 rated luminaires are essential, preventing discomfort and improving visibility. Recessed fittings such as Pace, Juno or Endurance meet this criteria, are energy efficient, CCT selectable and will achieve the recommended illumination levels of 300 lux.

For ancillary areas such as storage and plant rooms, functionality is the main focus for lighting design, providing good visibility. Supplies and stock rooms generally require 100 lux whilst plant areas require a higher level of up to 300 lux. Horizontal batten lighting such as Topline EVO, Thunder Eco and Tornado EVO are ideal solutions, giving the desired illumination results whilst also being extremely robust and resistant to knocks and spillages.



Endurance

Edgelit LED panel suitable for all education applications



Panel can be recessed in to a ceiling grid, surface mounted or suspended



Emergency, dimmable and OCTO Smart options available



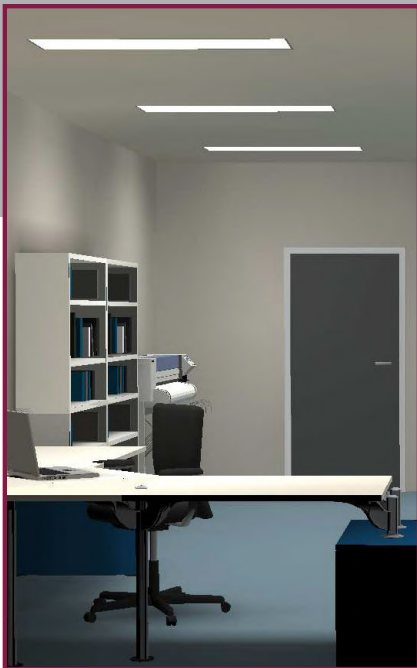
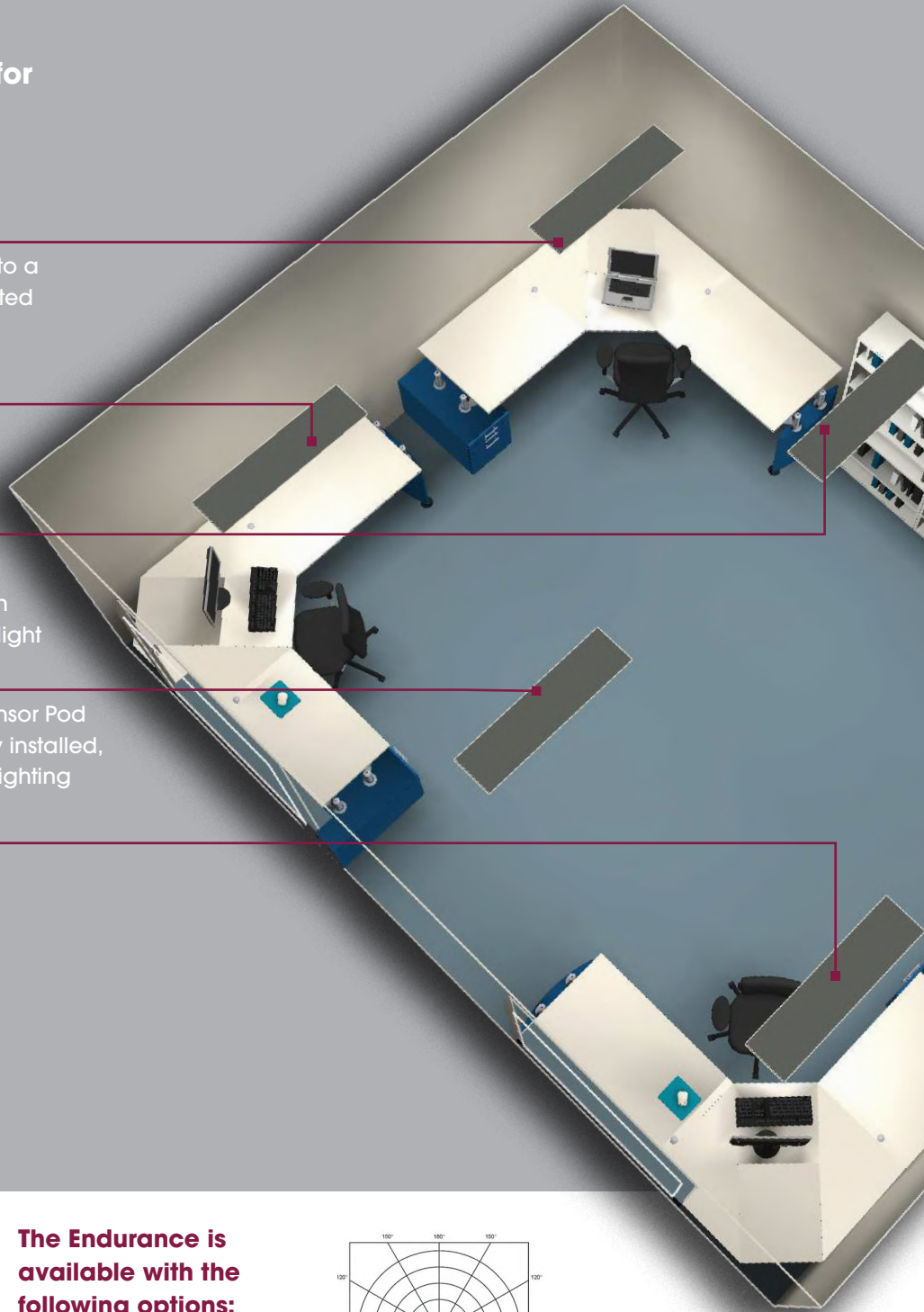
Available in three colour temperature options, warm white, cool white and daylight



Self-Test Panel Pod and Sensor Pod compatible, offering easily installed, retrospective emergency lighting

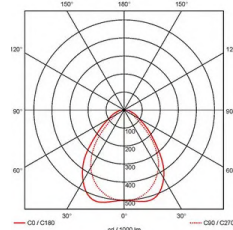


TPa as standard



The Endurance is available with the following options:

- Emergency
- Self-test emergency
- DALI Emergency
- OCTO Smart control
- Digital dimming (DD1/ DD3/DD4)



Scan here for full Endurance details



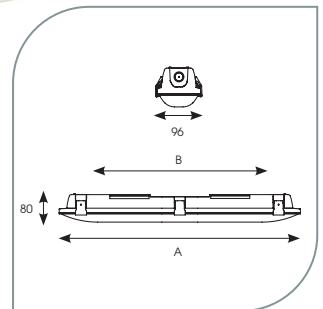
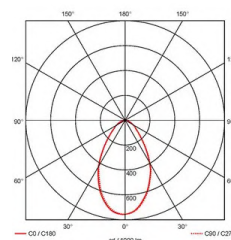
Tornado EVO



OCTO
Option
Available

Powered by
CASAMBI

- IP65 non-corrosive batten suitable for industrial applications and ancillary areas
- High efficiency up to 160 Lm/W
- CCT selectable between 4000K, 5000K and 6500K and power selectable; offering a choice of 2 outputs, in one luminaire
- Slim sloped diffuser design creates sleek appearance and offers greater light distribution
- LED performance allows point-to-point replacement of existing fluorescent luminaires
- Lockable heavy-duty stainless steel clips supplied as standard for added safety and security
- Whole luminaire illuminates during emergency operation rather than a small area, allowing less emergency versions required on an installation



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP	IK
220/240V	50/60Hz	-20 to 40	L80 100,000	80	3	120°	1	IP65	IK08

Code	Description	Wattage	CCT	Lumens	LM/W	A	B
ATORE2/1	CCT Selectable - 600mm	9W/18W	4000/5000/6500K	1600lm - 3100lm (4000K)	160lm/W (4000K)	600mm	280mm
ATORE4/1	CCT Selectable - 1200mm	20W/40W	4000/5000/6500K	3100lm - 6200lm (4000K)	160lm/W (4000K)	1200mm	840mm
ATORE5/1	CCT Selectable - 1500mm	30W/60W	4000/5000/6500K	4700lm - 9300lm (4000K)	160lm/W (4000K)	1500mm	1040mm
ATORE6/1	CCT Selectable - 1800mm	35W/70W	4000/5000/6500K	5400lm - 10800lm (4000K)	160lm/W (4000K)	1800mm	1353mm

Code (options)	Description
/SM3	Self-Test Emergency
/OCTO	OCTO Smart Control

Code (options)	Description
/DD	Digital Dimming (DD1/DD3/DD4)
/MWS	Integral Microwave Sensor
/CF	Corridor Function



EMERGENCY LIGHTING



Ensuring safe evacuation, emergency lighting is a legal requirement in all educational buildings.

Schemes require a combination of different fittings, including exit signs and boxes, such as Adler, downlights such as Falcon or Signal Pro and powerful bulkheads such as Guardian. Providing reliable illumination when needed, emergency lighting is governed by an array of system and product standards to ensure occupier safety.

When considering an emergency lighting scheme, thought should be given to ease of maintenance, energy sources and testing and reporting. Emergency lighting requires regular testing to ensure compliance. Fittings with self-test options will automatically conduct routine functional and duration testing, reducing the manual testing workload. Lithium battery power will deliver lower parasitic load, reducing power consumption for a longer lasting provision.



Lithium battery reduces power consumption therefore decreasing costs and carbon footprint



Self-Test is an intelligent emergency system that eliminates the requirements for manual testing.



Adler Exit Sign

Lightweight contemporary, self-test emergency LED Exit Sign with rotatable legends available in black and white



Guardian Bulkhead

Ultra-slim profile LED polycarbonate bulkhead with 20mm side, end and rear cable entries, and quick release LED array/gear tray for faster installation and maintenance



Signal Pro Emergency Downlight

Low profile, recessed DALI emergency downlight, with open area and escape route interchangeable high specification optic lenses for increased performance and spacing

LIGHTING CONTROLS



Regardless of the setting, controls are a key element of any lighting installation and play a central role in ensuring energy efficient operation, compliance with building regulations and safety and security. As requirements vary from room to room, lighting controls enable users to customise their space and achieve the desired ambience..

Smart lighting systems such as OCTO Casambi are the ultimate control systems. From brightness to colour temperature, creating specific scenes and setting periods of operation, they provide complete charge over lighting settings, whilst also ensuring the optimum amount of electricity is in use. Such systems are highly functional and easy to use, controlled via an app or using an OCTO Indoor Controller or OCTO Outdoor Controller.

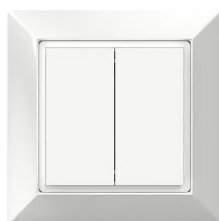
Room occupancy detectors such as PIR sensors are also particularly useful in spaces such as corridors, stairways and communal areas and are a great addition to smart lighting systems. Ensuring that lighting is only in use when rooms are occupied, they automatically turn off fittings, conserving electricity when they are vacant.

Wherever you see the OCTO logo on one of our products you can use OCTO controls to tailor that product to your requirements. Plus, our controllers can even be used as accessories to control non-OCTO embedded products.



OCTO Outdoor Controller

Outdoor IP66 robust polycarbonate controller to control fittings from your smart device



OCTO Indoor Wireless Smart Switch

Internal double rocker, wireless wall switch to control your luminaires inside the building



OCTO Smart PIR Sensor

Surface and recessed, infrared PIR detector and photocell smart sensor with different detection ranges for movement controlled fittings

OUTDOOR SPACES

Outdoor spaces hold significant importance in providing students and faculty members with ample opportunities for physical activity, recreation, and social engagement. Outdoor lighting plays a vital role in enhancing the usability and enjoyment of these spaces and serves as a powerful tool to promote safety and wellbeing.

BUILDINGS
WOLF WALLPACK



DOORS
LYNX WALLPACK



CARPARKS
MAGNA



PLAYGROUNDS
ONIX



Within the realm of outdoor spaces in schools, a similar consideration for tailored lighting is essential to optimise their functionality and create an environment that prioritises safety and security for both pedestrians and road users.

By strategically illuminating areas such as carparks, playgrounds, buildings and pathways, during darker hours or inclement weather conditions, can minimise the risk of accidents, theft and damage within the school community.

In the following section, we'll guide you through our carefully curated range of outdoor lighting systems, specially designed to meet the unique requirements of outdoor environments.



OUTDOOR LIGHTING

Essential throughout the year, outdoor lighting is a core health and safety requirement for safe access and transit through campuses.



From buildings to pathways, carparks and playgrounds, outdoor lighting schemes must take into account the needs of both pedestrians and road users, reducing potential hazards and the danger of accidents. It is also a real security measure, preventing potential trespassers and thieves.

To aid visibility during periods of darkness, outdoor lighting should deliver high levels

of illumination whilst causing low levels of light pollution and glare. Positioning should ensure high levels of uniformity are achieved across all spaces for even illumination.

High performance street lighting such as Onix and Magna work well in car parks, open spaces and along roadways. G3 rated, they produce little glare and upward light pollution, yet provide high levels of illumination to outdoor areas.

For buildings, wall lights are an essential fitting, illuminating doorways, exits and the structure of the building. Robust, tamper-proof lamps such as Lucca and Nappa are IP65 rated and provide excellent levels of lighting. Lynx and Panther also offer a durable, wall mounted option with the addition of photocell and sensor options.

One of newest solutions is Wolf, or the smaller Wolf Mini, a modern, robust die-cast aluminium, low-glare wall pack, which is IDA compliant with Dark Sky recommendations. This is particularly important as the appropriate levels of illuminance in outdoor scenes vary greatly from between 5 and 50 lux. 50 lux is recommended in areas of heavy traffic and areas with vehicular access, whilst spaces exclusively used for pedestrian access, such as entrances, routes and general circulation areas require somewhere in the region of 5-20 lux.



Wolf

Modern, robust die-cast aluminium low glare wall pack



Advanced lens technology offers wide distribution for optimum spacing and uniformity, whilst ensuring minimal uplight and light pollution with 0% upward light distribution, aiding with compliance with IDA Dark Skies recommendations



Emergency, dimmable, Microwave Sensor, Photocell and OCTO Smart options available



Multiple conduit entry and BESA fixing points, with 20mm East and West side entry for surface conduit and through-wire



High efficiency up to 140 lm/W

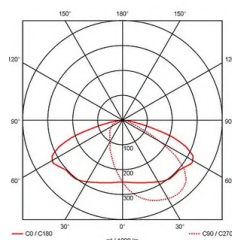


Scan here for full Wolf details



The Wolf is also available with the following options:

- Emergency
- Self-test emergency
- DALI Emergency
- OCTO Smart control
- Digital Dimming (DD1/DD3/DD4)
- Integral Microwave sensor
- Photocell



OCTO
Option
Available

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CASAMBI

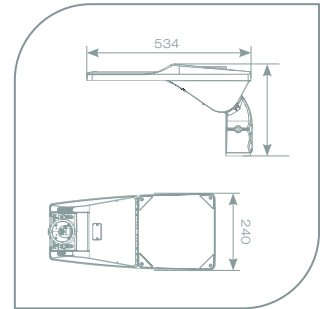
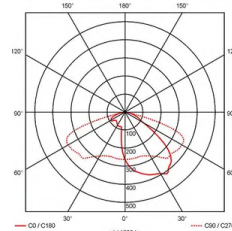


Magna

- Modern die-cast aluminium street light suitable for residential and commercial applications
- Die-cast aluminium construction for optimal heat dissipation and performance
- UV stabilized polycarbonate cover
- Toolless gear tray removal for ease of maintenance
- Built in anti-tamper isolation facility
- Compatible with post top or side entry utility 76mm spigot
- Advanced lens technology providing optimum performance and control
- G3 Glare Rating
- Surge protection
- Available in standard, complete with photocell option



Side entry utility 76mm spigot



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP	IK
220/240v	50/60Hz	-30°C to 50°C	L80 100,000	70	3	50°/140°	1	IP66	IK09

Code	Description	Wattage	CCT	Lumens	LMW	WINDAGE
AMAGLED/1	Cool White	30W	4000K	5300lm	152lm	0.16
AMAGLED/2	Cool White	50W	4000K	7800lm	152lm	0.16
AMAGLED/3	Cool White	70W	4000K	10900lm	151lm	0.16
AMAGLED/1WW	Warm White	30W	3000K	4660lm	150lm	0.16
AMAGLED/2WW	Warm White	50W	3000K	7730lm	152lm	0.16
AMAGLED/3WW	Warm White	70W	3000K	10670lm	148lm	0.16

Code (options)	Description
/PC	Electronic Photocell

Code (options)	Description
AMAGLED/60SBA	60mm Spigot Bracket



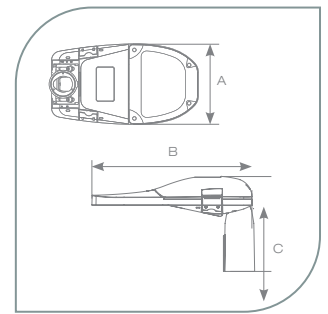
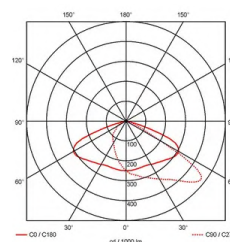


Onix

- Modern die-cast aluminium street light
- Die-cast aluminium construction for optimal heat dissipation and performance
- UV stabilized polycarbonate cover
- Toolless gear tray removal for ease of maintenance
- Built in anti-tamper isolation facility
- Compatible with post top or side entry utility 76mm spigot
- G3 Glare Rating
- Surge protection
- Available in standard, complete with photocell option



Adjustable 48-60mm Spigot bracket



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP	IK
100/240V	50Hz	-20 to 50°C	L70 50,000	70	5	120°/70°	1	IP66	IK08

Code	Description	Wattage	CCT	Lumens	LMW	WINDAGE
AONIXLED/1	Cool White	14W	4000K	2000lm	100lm	0.04
AONIXLED/2	Cool White	27W	4000K	4000lm	100lm	0.04
AONIXLED/3	Cool White	41W	4000K	6200lm	100lm	0.07
AONIXLED/4	Cool White	55W	3000K	8200lm	100lm	0.07

Code (options)	Description
/PC	Electronic Photocell

Code (options)	Description
AONIXLED/SBA	48-60mm Spigot Bracket
AONIXLED/WB	Wall Bracket

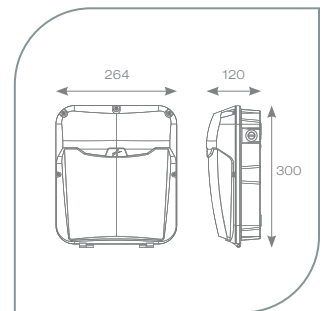
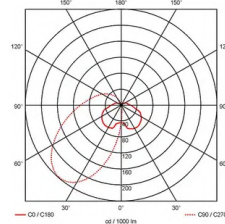


Lynx

- Robust wall mounted luminaire for general accent illumination
- Integral emergency option provides downward illumination with a beam angle of 60°
- Power and CCT selectable; offering a choice of 2 outputs and 2 colour temperature options, in one luminaire
- Die-cast aluminium body with vandal resistant polycarbonate Fresnel lens diffuser
- Tamper-proof allen key screws supplied as standard
- Multiple conduit entry and BESA box fixing points
- Photocell and sensor options



Powered by
CASAMBI



Input	Hertz	Temp	Lifetime (HRS)	CRI	SDCM	Beam Angle	Class	IP	IK
220/240V	50/60Hz	-10°C to 40°C	L70 54,000	80	6	70°	1	IP65	IK08

Code	Description	Wattage	CCT	Lumens	LMW
ALWP	CCT Selectable	18W-30W	3000K,4000K	1400lm - 2200lm (4000K)	75lm/W (4000K)

Code (options)	Description
/M3	Emergency
/PC	Electronic Photocell
/OCTO	OCTO Smart Control

Code (options)	Description
/DD	Digital Dimming (DD1/DD3/DD4)
/MWS	Integral Microwave Sensor
/CF	Corridor Function



[ansell-lighting.com](https://www.ansell-lighting.com)