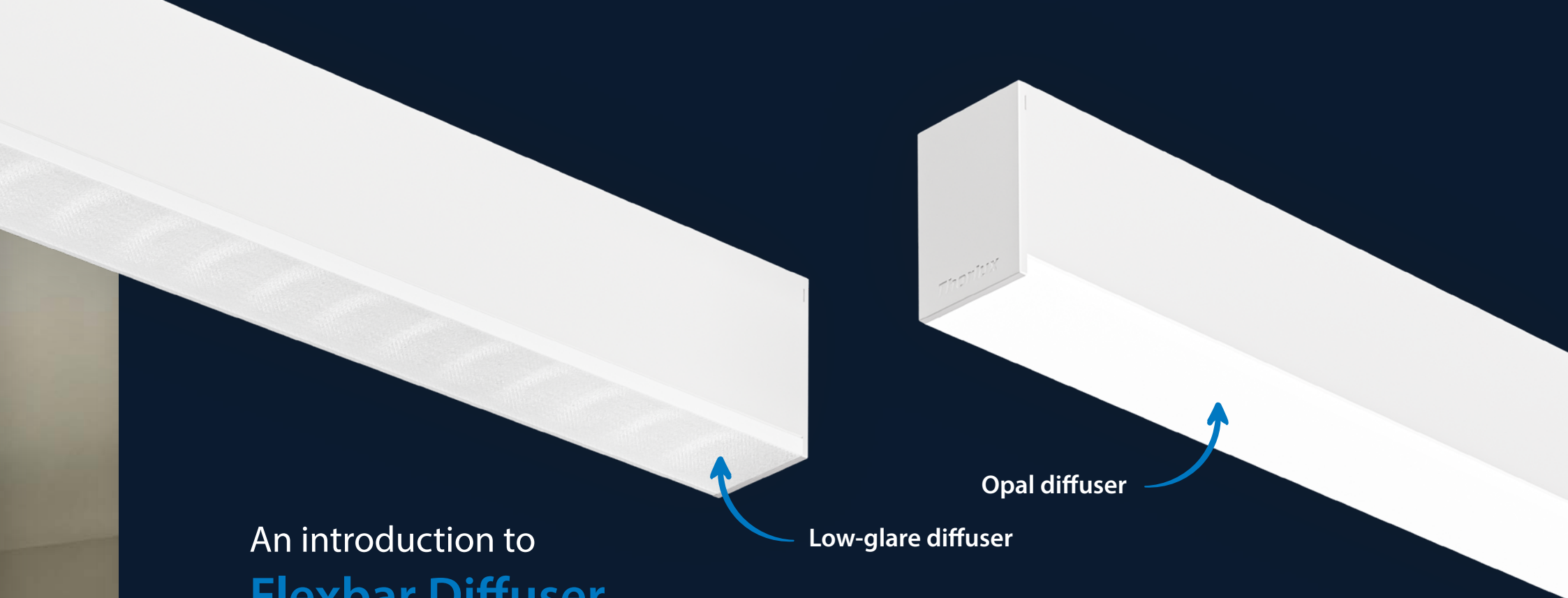


# Flexbar Diffuser

Minimum presence. Maximum impact.







## An introduction to **Flexbar Diffuser**

Low-glare diffuser

Opal diffuser

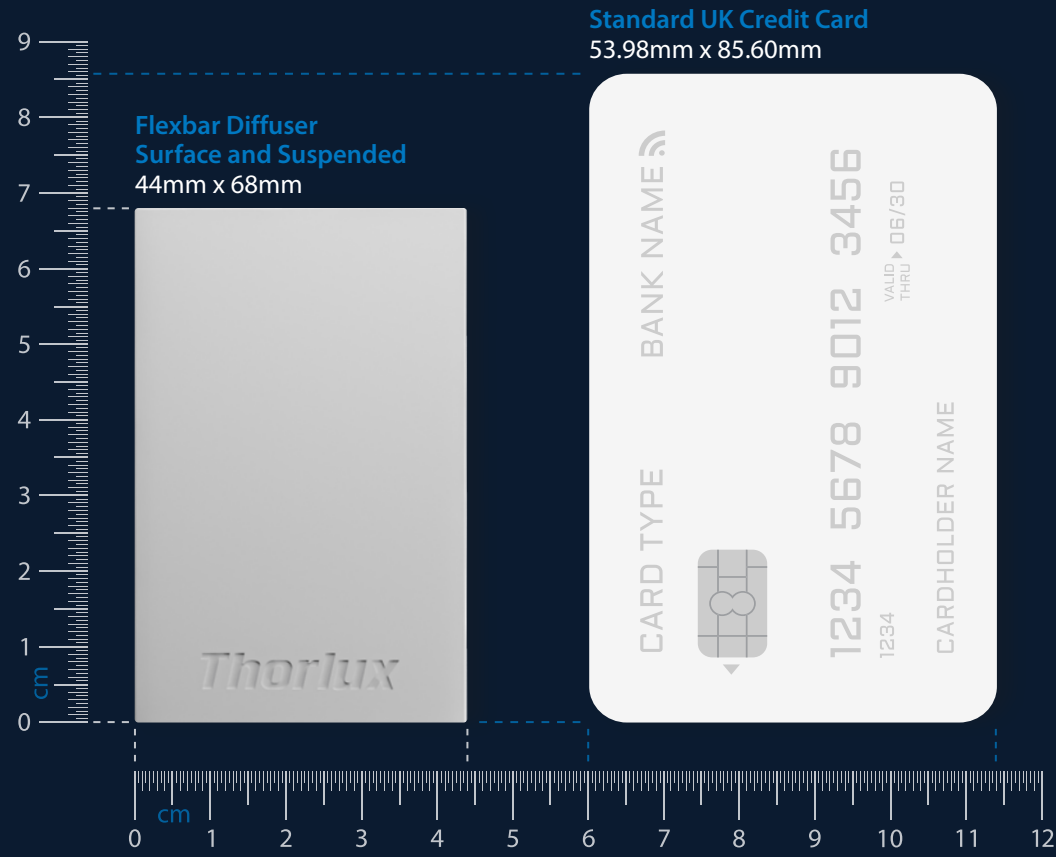
**Flexbar is an elegant, linear luminaire ideal for a wide range of applications including offices, education, healthcare, leisure and retail.**

The uninterrupted diffuser creates striking lines of light across the ceiling, whether it be surface, suspended or recessed mounted. The range includes individual, continuous and corner lengths to allow designers to be flexible with their lighting designs.

The dropped diffuser provides upward light, creating a softer appearance whilst supporting illumination on the walls and ceiling.

## Slim and sleek

Flexbar's compact design combines all your technical requirements including integral lighting controls, modular wiring and emergency lighting - all housed within the small profile.



Examples shown above are to scale





Suspended

Recessed

Surface

Flexbar Diffuser can be individually or continuously surface mounted, suspended or recessed. The suspended version has the option of upright.



The possibilities are **endless**

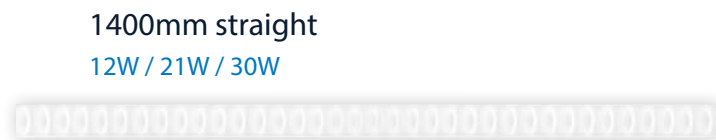
# Versatility

The Flexbar Diffuser range offers a combination of straight lengths and a corner which can be used individually or combined for endless design possibilities.

The choice of white or black body finish can create either a subtle or strong statement to match the interior design.



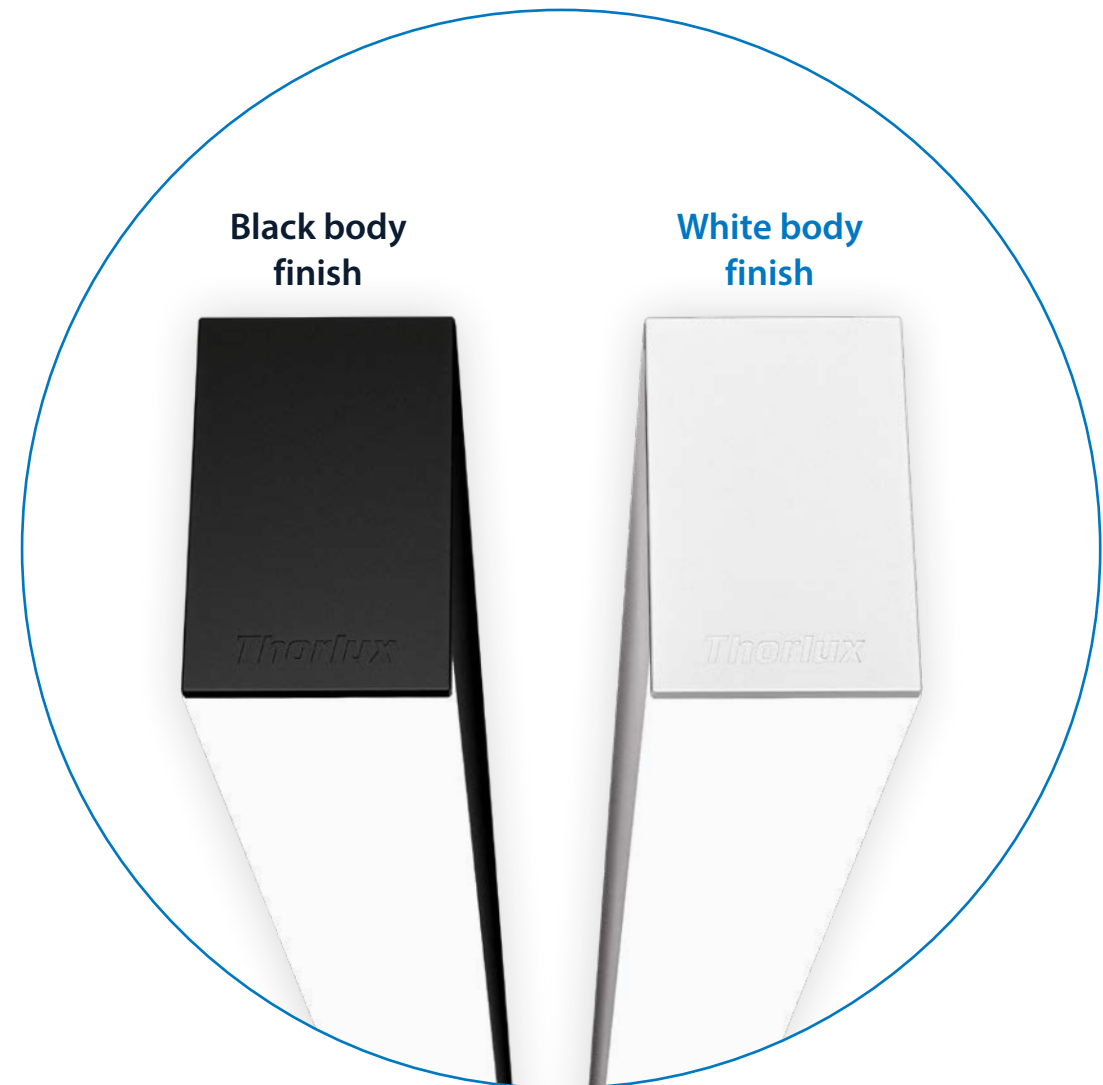
870x850mm corner  
15W / 25W / 37W



1400mm straight  
12W / 21W / 30W



2800mm straight  
25W / 42W / 60W





## Enhanced light control

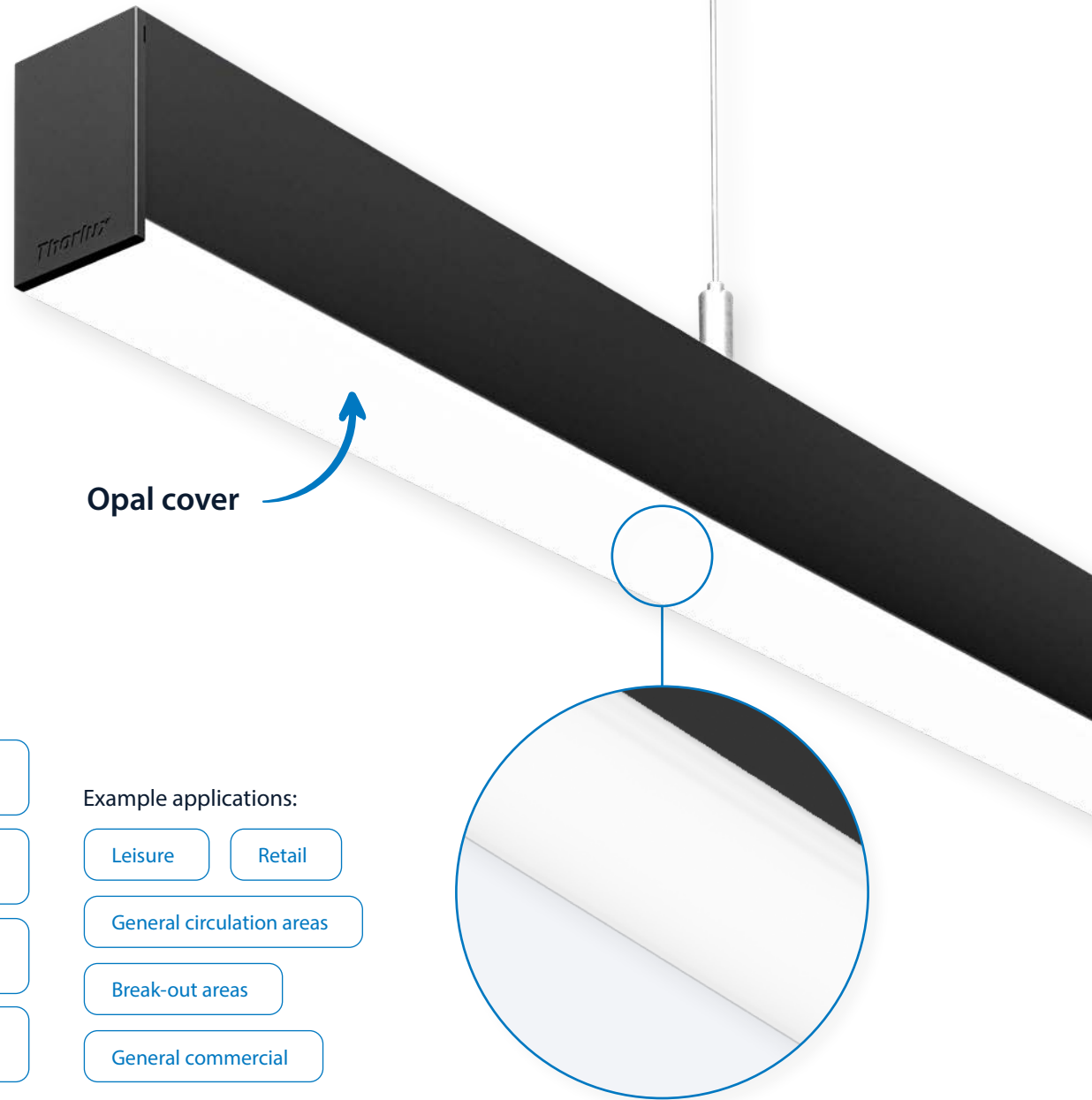
Flexbar Diffuser is available with either opal or low-glare diffusers for distinct lines of light and glare control. The dropped diffuser creates a glow around the luminaire, increasing uplight and vertical illumination.

Manufactured from TP(a) fire-retardant polycarbonate, Flexbar Diffuser ensures compliance to building regulations for peace of mind.

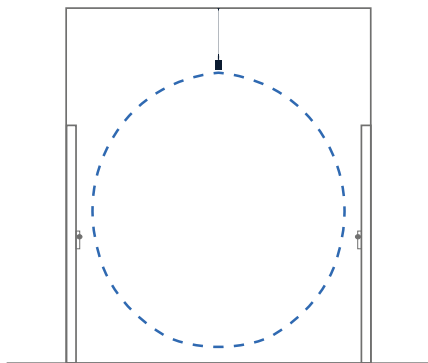


## A closer look at the Opal diffuser

The opal diffuser provides a continuous, homogenous effect, suitable for a range of applications including entrance, circulation and breakout areas, leisure and retail.



End view



✓ Homogeneously lit effect

✓ Wide cosine distribution

✓ Soft, diffused lighting

✓ TP(a) fire-retardant

Example applications:

Leisure

Retail

General circulation areas

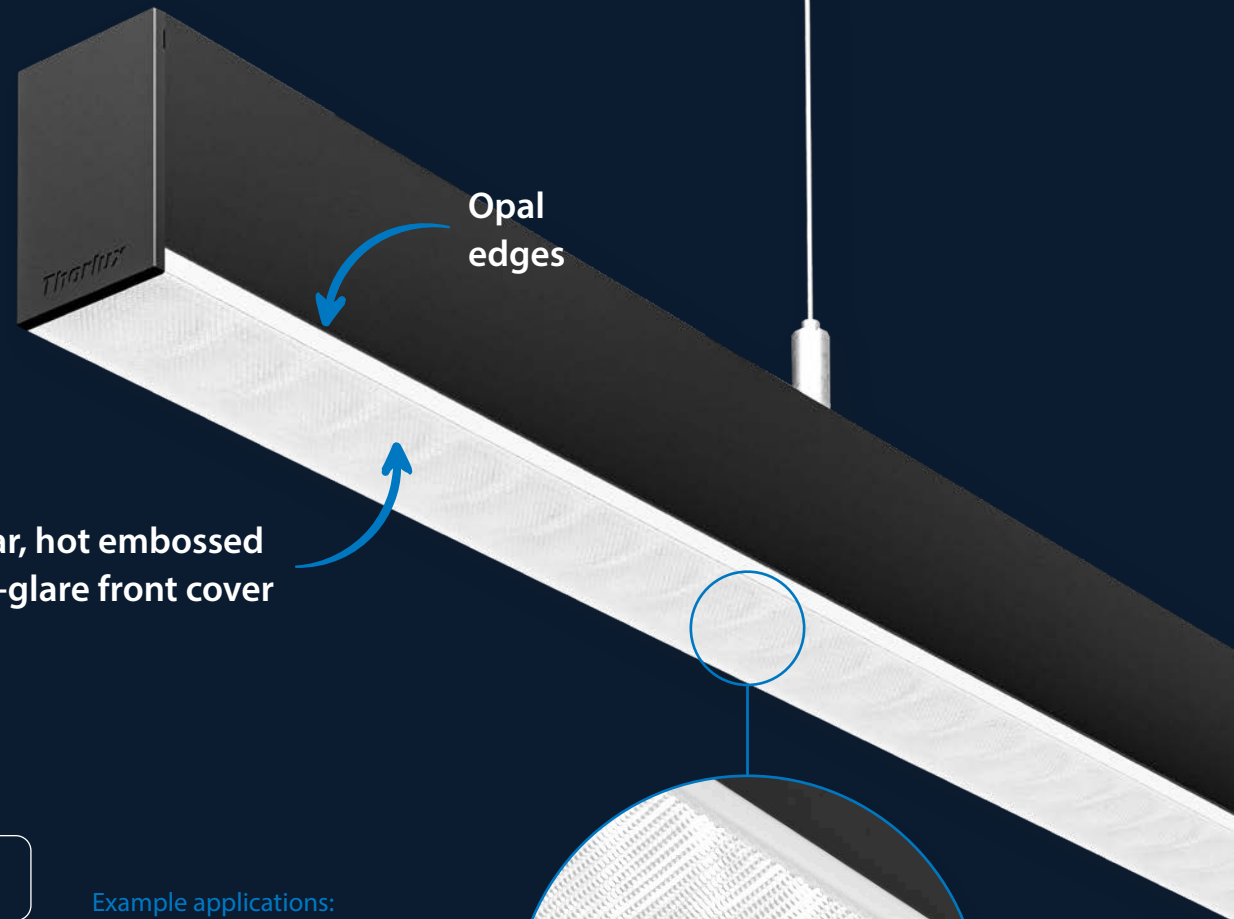
Break-out areas

General commercial

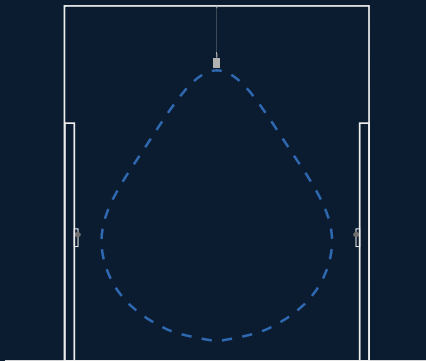


## A closer look at the **Low-glare diffuser**

The low-glare diffuser is co-extruded with opal sides and a clear front cover. The transparent cover is then hot-embossed to create the low-glare microprism. This surface effect provides performance suitable for working environments such as offices, libraries and education, aiding compliance with EN 12464-1 and LG7.



End view



- ✓ Dynamic visual appearance
- ✓ Minimise glare and harsh reflections
- ✓ Aids compliance with EN 12464-1 and LG7
- ✓ TP(a) fire-retardant

### Example applications:

- Offices
- Libraries
- Reception areas
- Meeting rooms
- Education



S M A R T S C A N



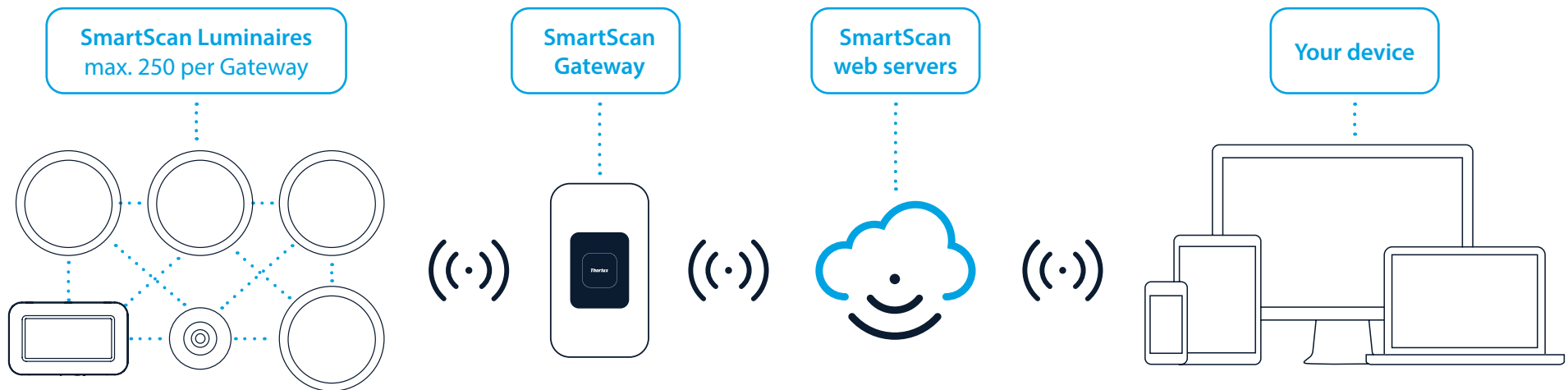
Visit the **SmartScan** webpage to find out more

# Take **control** of your lighting

Flexbar Diffuser is available with SmartScan, a revolutionary wireless lighting management system that allows users to control their lighting and monitor their energy performance data and complete operational information for all SmartScan standard and emergency luminaires.

Information is displayed on the SmartScan website, which can be accessed from anywhere using a desktop computer, laptop, tablet or smart-phone.

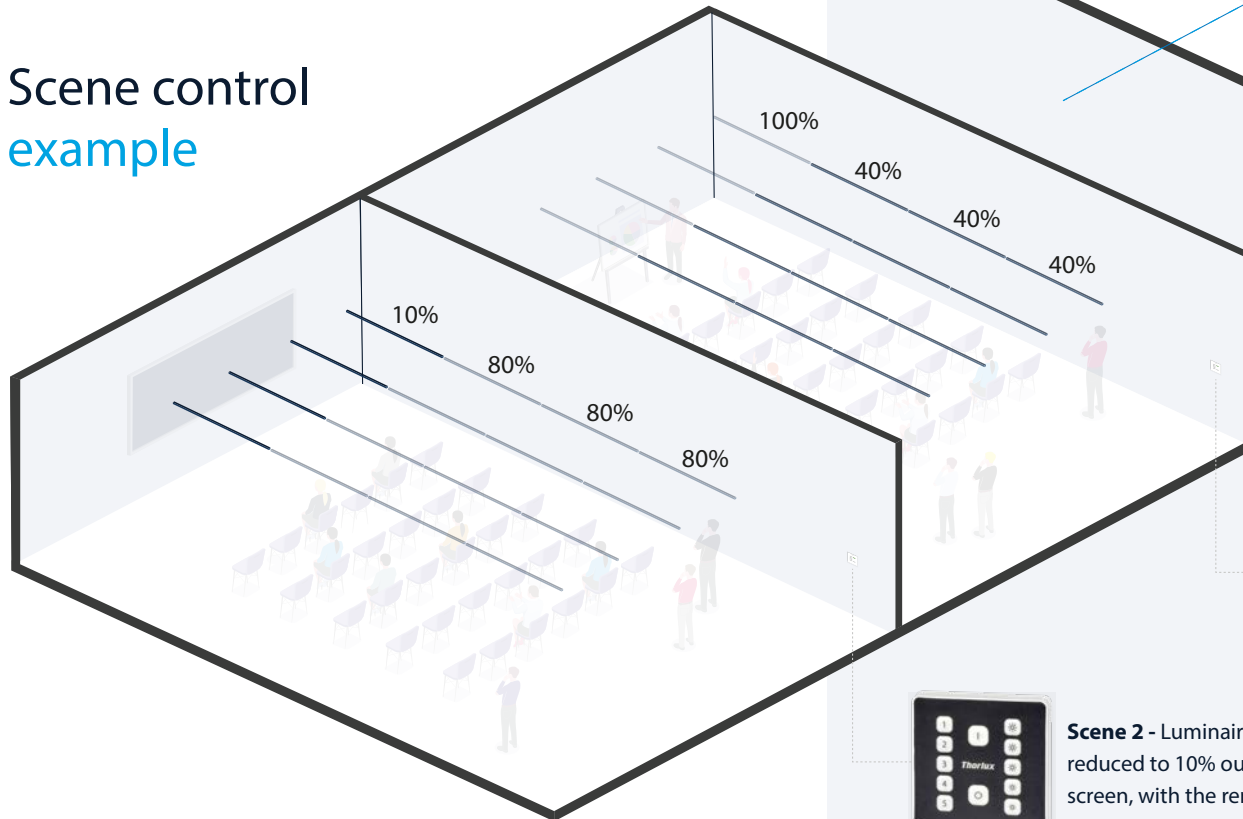
The clear graphical user interface provides an overview of the whole lighting installation, through to the performance and operation of an individual luminaire.



# Intelligent communication

SmartScan allows individual or continuous Flexbar luminaires to communicate with each other via its wireless mesh network. This removes the need for control cables, allowing total flexibility for scene or group control.

## Scene control example

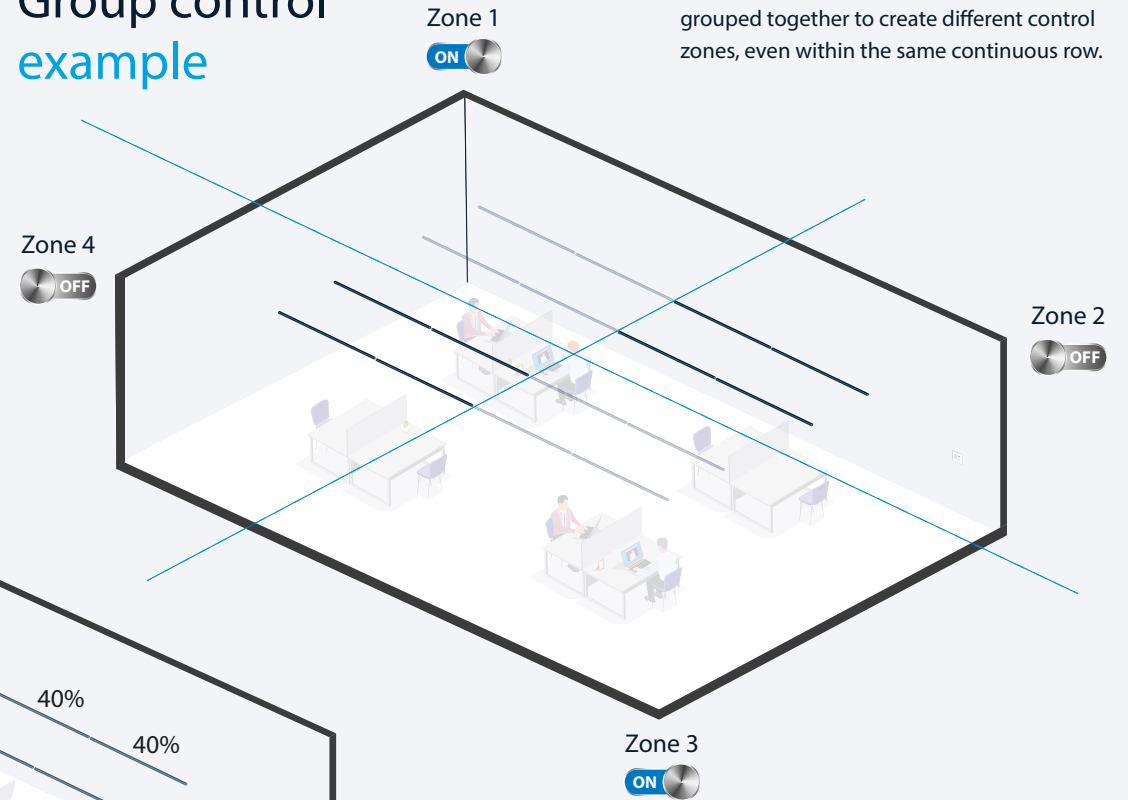


**Scene 1** - Luminaires closest to the presenter are set at full output to ensure the presenter is illuminated, with the remaining luminaires reduced to 40% for comfort.



**Scene 2** - Luminaires closest to the presentation screen are reduced to 10% output for maximum visual acuity of the display screen, with the remaining luminaires set to 80% for note taking.

## Group control example

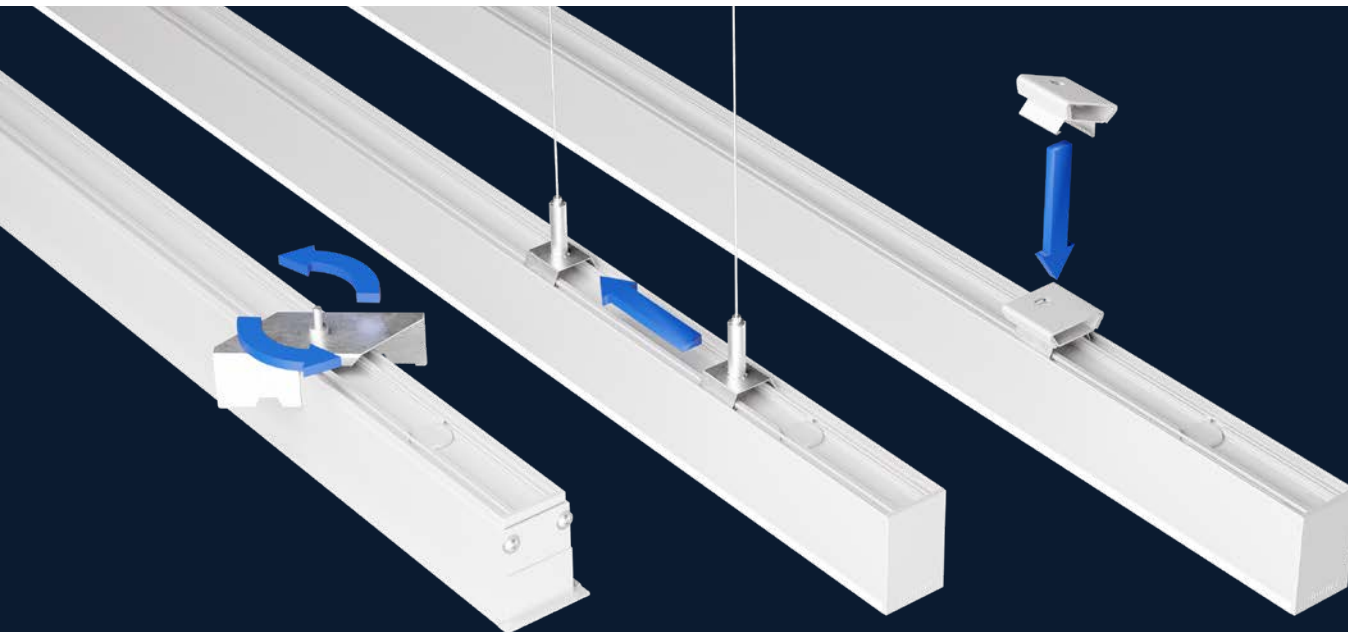


SmartScan allows luminaires to be wirelessly grouped together to create different control zones, even within the same continuous row.



# Seamless integration

The Flexbar's diffuser clips into the Flexbar body and fits along the length to give a seamless line of light disguising any joins between luminaires.



## Mounting solutions

Surface or suspended mounting kits simply clip into the luminaire extrusion and slide into position. Recessed clamping brackets are accessible from within the luminaire for secure recessed fixing.



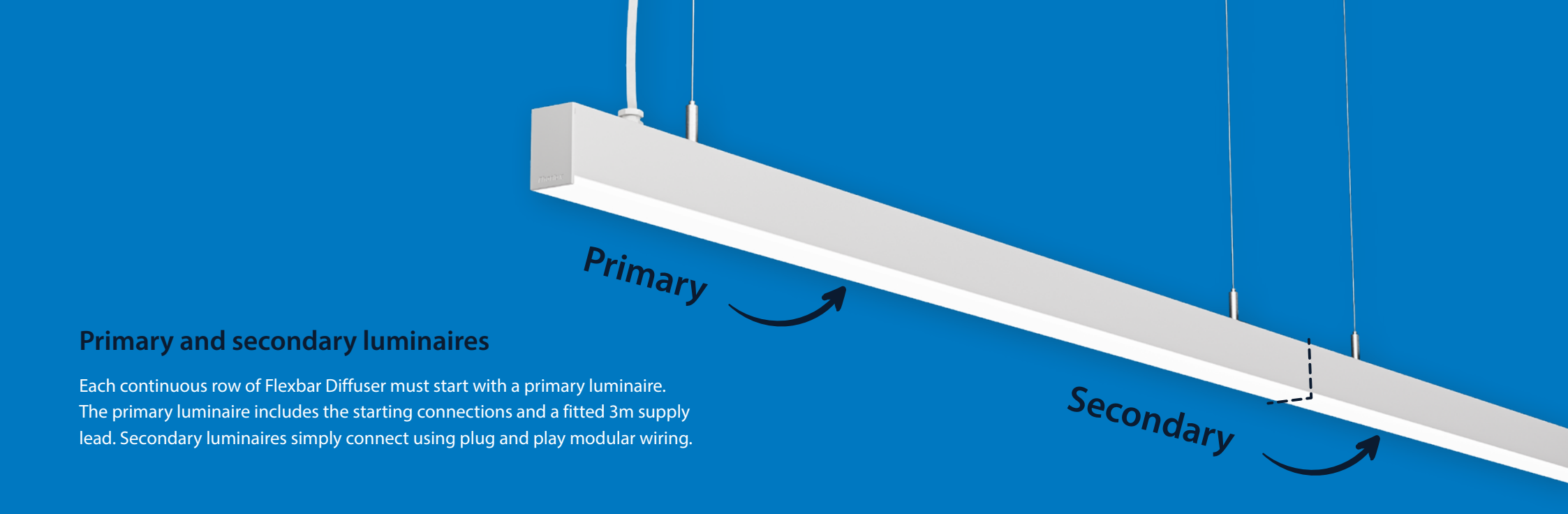
### Joint plates

The easily accessible joint plates ensure strong and straight runs of Flexbar Diffuser.



### Plug and play

Plug and play modular wiring makes continuous versions of Flexbar Diffuser fast and easy to install.



### Primary and secondary luminaires

Each continuous row of Flexbar Diffuser must start with a primary luminaire. The primary luminaire includes the starting connections and a fitted 3m supply lead. Secondary luminaires simply connect using plug and play modular wiring.

# A long-term solution with a sustainable future

High quality and longevity have always been at the heart of Thorlux products and Flexbar Diffuser is no exception.

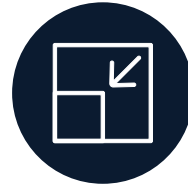
Designed with sustainability in mind, the construction of Flexbar Diffuser uses the minimum number of materials whilst delivering the efficacy, high performance and long life required for commercial applications.



Score:  
2.6

This product has been certified as having 'Excellent' circularity in accordance with the LIA/CIBSE Assured Product Verification Scheme.

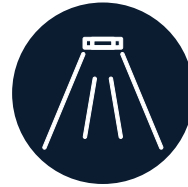




## Minimised material usage

Flexbar Diffuser has a compact body design, reducing material usage while providing the performance typical of a much larger luminaire.

Both opal and low glare Flexbar Diffuser luminaires use the same luminaire body as the original Flexbar, reducing the need for additional parts.



## Efficient light distribution

The two diffuser options provide light to where it is required, both functionally and aesthetically, providing good vertical, horizontal and cylindrical distribution.

Thorlux has designed the low-glare Flexbar Diffuser to provide controlled light distribution to aid compliance with lighting standards and guidance.



## Less power, more light

Flexbar Diffuser is an efficient linear luminaire with an efficacy of up to 133LL/CW, reducing power consumption required on projects.



## Easy serviceability

All components are replaceable on site. Flexbar Diffuser has been designed to allow upgrade or rectification of problems with the light engine, driver, and other components, extending the lifetime of the product.



## Recyclable at end of life

Flexbar Diffuser has been designed to achieve a long and reliable lifetime and be easily serviced. However once end of life is reached, Flexbar Diffuser luminaires can be fully disassembled as no glues or bonding is used. This makes for easy recycling, minimising the impact on the environment.

# A long-term solution with a sustainable future

Thorlux Lighting, as part of the FW Thorpe Group of companies, is committed to minimising the environmental impact of its activities across all operations.



## Carbon neutral since 2012

The FW Thorpe Group of companies has been officially recognised as being carbon neutral, with systems of reduction, measurement and certified offsetting in place, since 2012.

Company-wide initiatives such as energy use minimisation, self-generation of renewable energy through solar photovoltaic (PV) units, and procurement of renewable energy have reduced the Group's carbon footprint, whilst trees in the Group's award-winning carbon offsetting afforestation project absorb the remaining carbon dioxide produced.

For more information on our sustainability journey, please visit: [www.thorlux.co.uk/sustainability](http://www.thorlux.co.uk/sustainability)

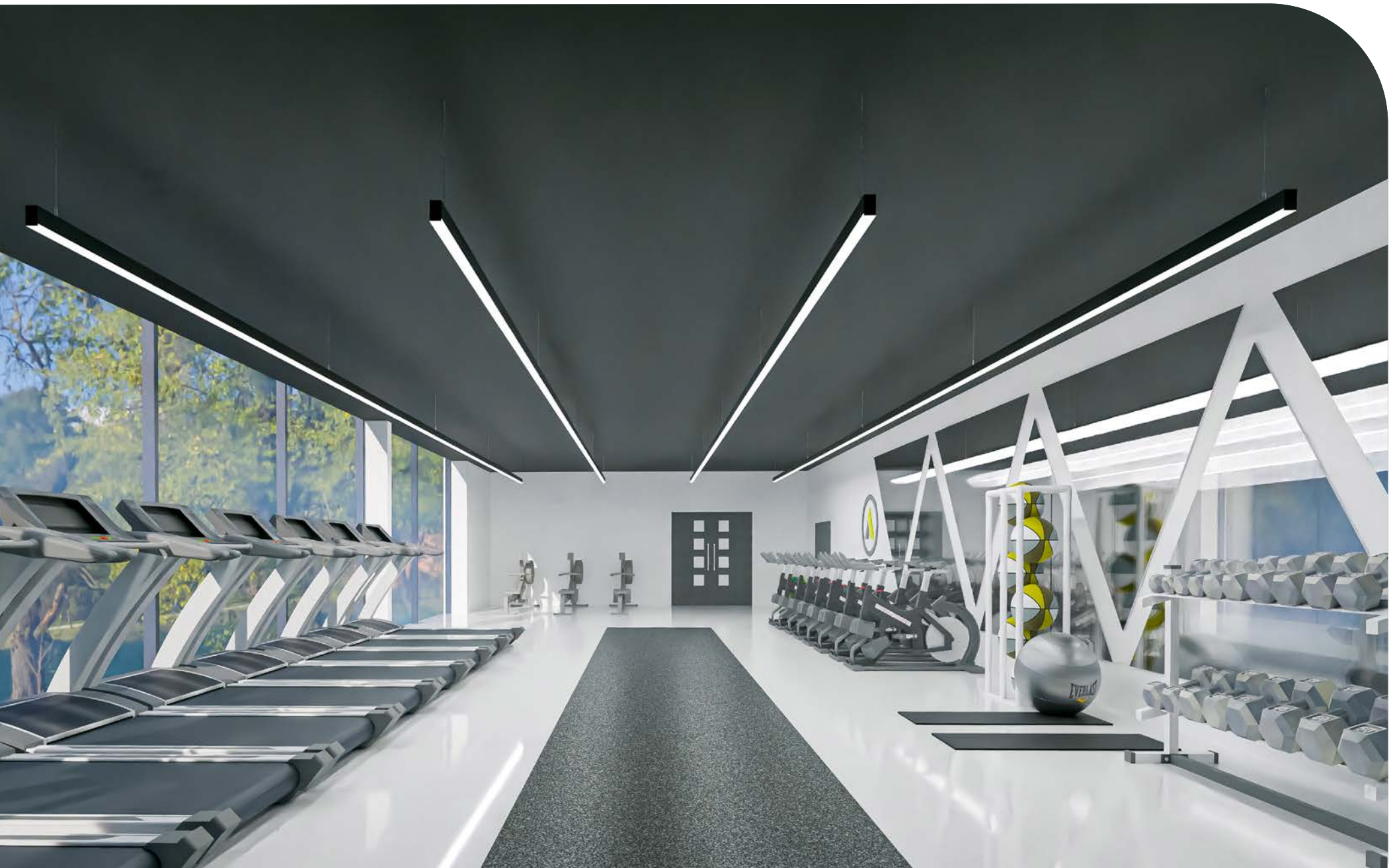


## Net-zero by 2040

The Group has set a target of achieving net-zero greenhouse gas emissions by 2040 across Scopes 1, 2 and 3, from a 2021 base year. The Science Based Targets Initiative (SBTi) validated the Group's plan in 2024 under the Net-Zero Standard.

For more information on our SBTi commitments, please visit: [www.thorlux.co.uk/news/net-zero-validated](http://www.thorlux.co.uk/news/net-zero-validated)





# Recessed Individual

SLIMLINE, LINEAR  
LUMINAIRES



## SPECIFICATION

- Extruded aluminium body and light engine
- White (RAL9016) or black (RAL9005) finishes available
- Custom optical control combining extruded polycarbonate with a hot embossing process for low glare versions
- Supplied fitted with 2m supply lead and adjustable recessing ceiling brackets
- Supplied with polycarbonate TP(a) fire-retardant diffuser. Opal or low glare options
- Low glare optics for EN12464-1 / LG7 (<math><3000\text{cd}/\text{m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

## SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

Technical information from page 26.

## LED CHARACTERISTICS

CRI	<b>80</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;84%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.85</b>

LL/CW **133.1**

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

## WEIGHTS

VERSION	APPROX. kg	EMERGENCY	SMARTSCAN EMERGENCY
1400	4.3	Add 0.3kg to weight listed. <b>SMARTSCAN</b>	Add 0.4kg to weight listed.
2800	7.3	Add 0.1kg to weight listed.	

## LUMINAIRE CONFIGURATOR

EMERGENCY TYPE	PRODUCT CODE	WATTAGE	LENGTH	VARIANT	DIFFUSER	CONTROL TYPE
<b>1400mm Individual</b>						
W SmartScan*	FXD Flexbar Diffuser	12 12W	M 1400	V Individual	O Opal	S SmartScan
D DALI/Self-Test**		21 21W			L Low glare	A Dimming (DALI)
E Emergency**		30 30W				L Non-dimming
<b>2800mm Individual</b>						
W SmartScan*	FXD Flexbar Diffuser	25 25W	L 2800	V Individual	O Opal	S SmartScan
D DALI/Self-Test**		42 42W			L Low glare	A Dimming (DALI)
E Emergency**		60 60W				L Non-dimming

### E.g. WFXD12MVOS

W SmartScan	FXD Flexbar Diffuser	12 12W	M 1400	V Individual	O Opal	S SmartScan
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◆ Optional; leave blank if emergency is not required \* Only available with S control type \*\* Not available with S control type

Note: White body as standard. For black body versions, suffix catalogue number with B6.



# Suspended/Surface Individual

## SLIMLINE, LINEAR LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and light engine
- White (RAL9016) or black (RAL9005) finishes available
- Custom optical control combining extruded polycarbonate with a hot embossing process for low glare versions
- Versions with optional uplight
- Supplied with easily adjustable 3.5m wire suspensions and surface mounting kit, and fitted with 3m supply lead
- Supplied with polycarbonate TP(a) fire-retardant diffuser. Opal or low glare options
- Low glare optics for EN12464-1 / LG7 (<math><3000\text{cd}/\text{m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

Technical information from page 26.

### LED CHARACTERISTICS

CRI	<b>80</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;84%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.85</b>

**LL/CW 133.1**

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

### WEIGHTS

VERSION	APPROX. kg	EMERGENCY	SMARTSCAN EMERGENCY
1400	4.2 ●	Add 0.3kg to weight listed.	Add 0.4kg to weight listed.
2800	7.2 ▲	Add 0.1kg to weight listed.	UPLIGHT Add ● 0.2kg or ▲ 0.4kg to weight.

### LUMINAIRE CONFIGURATOR

EMERGENCY TYPE ◆	PRODUCT CODE	WATTAGE	LENGTH	VARIANT	UPLIGHT	DIFFUSER	CONTROL TYPE
<b>1400mm Individual</b>							
W SmartScan*	FD Flexbar Diffuser	12 12W	M 1400	V Individual	X No uplight	O Opal	S SmartScan
D DALI/Self-Test**		21 21W			U Uplight	L Low glare	A Dimming (DALI)
E Emergency**		30 30W					L Non-dimming
<b>2800mm Individual</b>							
W SmartScan*	FD Flexbar Diffuser	25 25W	L 2800	V Individual	X No uplight	O Opal	S SmartScan
D DALI/Self-Test**		42 42W			U Uplight	L Low glare	A Dimming (DALI)
E Emergency**		60 60W					L Non-dimming

### E.g. WFD12MVUOS

W SmartScan	FD Flexbar Diffuser	12 12W	M 1400	V Individual	U Uplight	O Opal	S SmartScan
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◆ Optional; leave blank if emergency is not required \* Only available with S control type \*\* Not available with S control type

Note: White body as standard. For black body versions, suffix catalogue number with B6.



# Recessed Continuous

SLIMLINE, LINEAR  
LUMINAIRES



## SPECIFICATION

- Extruded aluminium body and light engine
- White (RAL9016) or black (RAL9005) finishes available
- Custom optical control combining extruded polycarbonate with a hot embossing process for low glare versions
- Integral through wiring system with plug and socket connectors
- Supplied with adjustable recessing ceiling brackets
- Primary luminaire supplied with end kit and fitted with 2m supply lead
- Opal and low glare polycarbonate TP(a) fire-retardant diffuser options (order separately)
- Low glare optics for EN12464-1 / LG7 (<math><3000\text{cd}/\text{m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

## LED CHARACTERISTICS

CRI	80
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>84%
REPLACEABLE	YES
POWER FACTOR	>0.85

LL/CW 133.1

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

Technical information and finishing components from page 26.

## SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

## WEIGHTS

VERSION	APPROX. kg	EMERGENCY	SMARTSCAN EMERGENCY
1400 Secondary	3.7	Add 0.3kg to weight listed.	Add 0.4kg to weight listed.
2800 Primary	7.1	<b>SMARTSCAN</b> Add 0.1kg to weight listed.	
2800 Secondary	6.6		

## LUMINAIRE CONFIGURATOR

	EMERGENCY TYPE ♦	PRODUCT CODE	WATTAGE	LENGTH	VARIANT	CONTROL TYPE
Primary Straight	2800mm Continuous					
	W SmartScan*	FXD Flexbar Diffuser	25 25W	L 2800	P Primary	S SmartScan
	D DALI/Self-Test**		42 42W			A Dimming (DALI)
E Emergency**		60 60W			L Non-dimming	
Secondary Straight	1400mm Continuous					
	W SmartScan*	FXD Flexbar Diffuser	12 12W	M 1400	S Secondary	S SmartScan
	D DALI/Self-Test**		21 21W			A Dimming (DALI)
E Emergency**		30 30W			L Non-dimming	
	2800mm Continuous					
	W SmartScan*	FXD Flexbar Diffuser	25 25W	L 2800	S Secondary	S SmartScan
	D DALI/Self-Test**		42 42W			A Dimming (DALI)
E Emergency**		60 60W			L Non-dimming	

### E.g. WFXD25LPS

W SmartScan	FXD Flexbar Diffuser	25 25W	L 2800	P Primary	S SmartScan
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♦ Optional; leave blank if emergency is not required \* Only available with S control type \*\* Not available with S control type

Note: White body as standard. For black body versions, suffix catalogue number with B6.

## SLIMLINE, LINEAR LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and light engine
- White (RAL9016) or black (RAL9005) finishes available
- Custom optical control combining extruded polycarbonate with a hot embossing process for low glare versions
- Integral through wiring system with plug and socket connectors
- Versions with optional uplight
- Suitable for wire suspending or surface mounting (see finishing components on page 26)
- Primary luminaire supplied with end kit and fitted with 3m supply lead
- Opal and low glare polycarbonate TP(a) fire-retardant diffuser options (order separately)
- Low glare optics for EN12464-1 / LG7 (<math><3000\text{cd/m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

### LED CHARACTERISTICS

CRI	<b>80</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;84%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.85</b>

LL/CW **133.1**

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

Technical information and finishing components from page 26.

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

### WEIGHTS

VERSION	APPROX. kg	EMERGENCY	SMARTSCAN EMERGENCY
1400 Secondary	3.6 ●	Add 0.3kg to weight listed.	Add 0.4kg to weight listed.
2800 Primary	7.0 ▲	<b>SMARTSCAN</b> Add 0.1kg to weight listed.	<b>UPLIGHT</b> Add ● 0.2kg or ▲ 0.4kg to weight.
2800 Secondary	6.5 ▲		

### LUMINAIRE CONFIGURATOR

	EMERGENCY TYPE ◆	PRODUCT CODE	WATTAGE	LENGTH	VARIANT	UPLIGHT	CONTROL TYPE	
Primary Straight	2800mm Continuous							
	W SmartScan*	FD Flexbar Diffuser	25 25W	L 2800	P Primary	X No uplight	S SmartScan	
	D DALI/Self-Test**		42 42W			U Uplight	A Dimming (DALI)	
E Emergency**		60 60W				L Non-dimming		
Secondary Straight	1400mm Continuous							
	W SmartScan*	FD Flexbar Diffuser	12 12W	M 1400	S Secondary	X No uplight	S SmartScan	
	D DALI/Self-Test**		21 21W			U Uplight	A Dimming (DALI)	
E Emergency**		30 30W				L Non-dimming		
	2800mm Continuous							
	W SmartScan*	FD Flexbar Diffuser	25 25W	L 2800	S Secondary	X No uplight	S SmartScan	
	D DALI/Self-Test**		42 42W			U Uplight	A Dimming (DALI)	
E Emergency**		60 60W				L Non-dimming		
<b>E.g. WFD25LPXS</b>								
W SmartScan	FD Flexbar Diffuser	25 25W	L 2800	P Primary	X No uplight	S SmartScan		

◆ Optional; leave blank if emergency is not required \* Only available with S control type \*\* Not available with S control type

Note: White body as standard. For black body versions, suffix catalogue number with B6.

# Suspended/Surface Continuous



# Recessed Corner Joints

## SLIMLINE, LINEAR LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and light engine
- White (RAL9016) or black (RAL9005) finishes available
- Custom optical control combining extruded polycarbonate with a hot embossing process for low glare versions
- Integral through wiring system with plug and socket connectors
- Supplied with adjustable recessing ceiling brackets
- Primary luminaire supplied with end kit and fitted with 2m supply lead
- Supplied with polycarbonate TP(a) fire-retardant diffuser. Opal or low glare options
- Low glare optics for EN12464-1 / LG7 (<math><3000\text{cd}/\text{m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

Technical information and finishing components from page 26.

### LED CHARACTERISTICS

CRI	<b>80</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;84%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.85</b>

**LL/CW 135.3**

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

### WEIGHTS

VERSION	APPROX. kg	SMARTSCAN
Corner Primary	5.0	Add 0.1kg to weight listed.
Corner Secondary	4.5	

### LUMINAIRE CONFIGURATOR

PRODUCT CODE	WATTAGE	LENGTH	VARIANT	DIFFUSER	CONTROL TYPE
<b>Primary Corner</b>					
<b>FXD</b> Flexbar Diffuser	<b>15</b> 15W <b>25</b> 25W <b>37</b> 37W	<b>C</b> 870 x 850	<b>PL</b> Primary left corner <b>PR</b> Primary right corner	<b>O</b> Opal <b>L</b> Low glare	<b>S</b> SmartScan <b>A</b> Dimming (DALI) <b>L</b> Non-dimming
<b>Secondary Corner</b>					
<b>FXD</b> Flexbar Diffuser	<b>15</b> 15W <b>25</b> 25W <b>37</b> 37W	<b>C</b> 870 x 850	<b>SL</b> Secondary left corner <b>SR</b> Secondary right corner	<b>O</b> Opal <b>L</b> Low glare	<b>S</b> SmartScan <b>A</b> Dimming (DALI) <b>L</b> Non-dimming
<b>E.g. FXD15CPLOS</b>					
<b>FXD</b> Flexbar Diffuser	<b>15</b> 15W	<b>C</b> 870 x 850	<b>PL</b> Primary left corner	<b>O</b> Opal	<b>S</b> SmartScan

Note: White body as standard. For black body versions, suffix catalogue number with **B6**. Note: Corners not available with emergency version.



# Suspended/Surface Corner Joints

## SLIMLINE, LINEAR LUMINAIRES



### SPECIFICATION

- Extruded aluminium body and light engine
- White (RAL9016) or black (RAL9005) finishes available
- Custom optical control combining extruded polycarbonate with a hot embossing process for low glare versions
- Integral through wiring system with plug and socket connectors
- Versions with optional uplight
- Suitable for wire suspending or surface mounting (see finishing components on page 26)
- Primary luminaire supplied with end kit and fitted with 3m supply lead
- Supplied with polycarbonate TP(a) fire-retardant diffuser. Opal or low glare options
- Low glare optics for EN12464-1 / LG7 (<math><3000\text{cd}/\text{m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

### SmartScan Configurations



Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

Technical information and finishing components from page 26.

### LED CHARACTERISTICS

CRI	<b>80</b>
COLOUR TEMPERATURE	<b>4000K</b>
RATED LIFE (HOURS)	<b>100K - L80/B10</b>
PROTECTION	<b>LUX GUARD</b>
DRIVER EFFICIENCY	<b>&gt;84%</b>
REPLACEABLE	<b>YES</b>
POWER FACTOR	<b>&gt;0.85</b>
<b>LL/CW</b>	<b>135.3</b>

For LED characteristics explanation see [www.thorlux.com/led-guide](http://www.thorlux.com/led-guide)

### WEIGHTS

VERSION	APPROX. kg	SMARTSCAN
Corner Primary	4.9	Add 0.1kg to weight listed.
Corner Secondary	4.4	<b>UPLIGHT</b> Add 0.2kg to weight.

### LUMINAIRE CONFIGURATOR

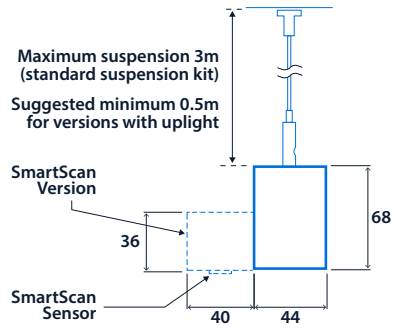
PRODUCT CODE	WATTAGE	LENGTH	VARIANT	UPLIGHT	DIFFUSER	CONTROL TYPE
<b>Primary Corner</b>						
<b>FD</b> Flexbar Diffuser	<b>15</b> 15W <b>25</b> 25W <b>37</b> 37W	<b>C</b> 870 x 850	<b>PL</b> Primary left corner <b>PR</b> Primary right corner	<b>X</b> No uplight <b>U</b> Uplight	<b>O</b> Opal <b>L</b> Low glare	<b>S</b> SmartScan <b>A</b> Dimming (DALI) <b>L</b> Non-dimming
<b>Secondary Corner</b>						
<b>FD</b> Flexbar Diffuser	<b>15</b> 15W <b>25</b> 25W <b>37</b> 37W	<b>C</b> 870 x 850	<b>SL</b> Secondary left corner <b>SR</b> Secondary right corner	<b>X</b> No uplight <b>U</b> Uplight	<b>O</b> Opal <b>L</b> Low glare	<b>S</b> SmartScan <b>A</b> Dimming (DALI) <b>L</b> Non-dimming
<b>FD</b> Flexbar Diffuser	<b>15</b> 15W	<b>C</b> 870 x 850	<b>PL</b> Primary left corner	<b>X</b> No uplight	<b>O</b> Opal	<b>S</b> SmartScan

Note: White body as standard. For black body versions, suffix catalogue number with **B6**. Note: Corners not available with emergency version.

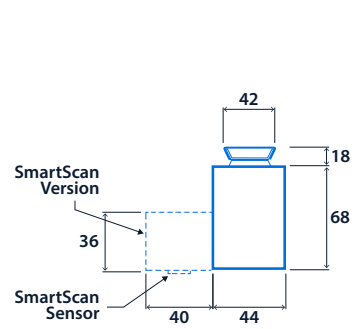


## DIMENSIONS

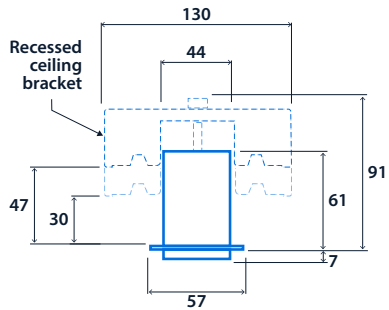
### Suspended version



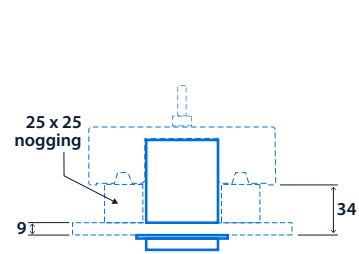
### Surface version



### Recessed version (pull-up only)



### Mounting Arrangement - Plasterboard ceiling

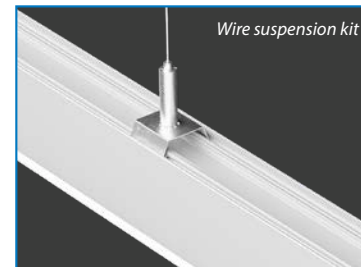
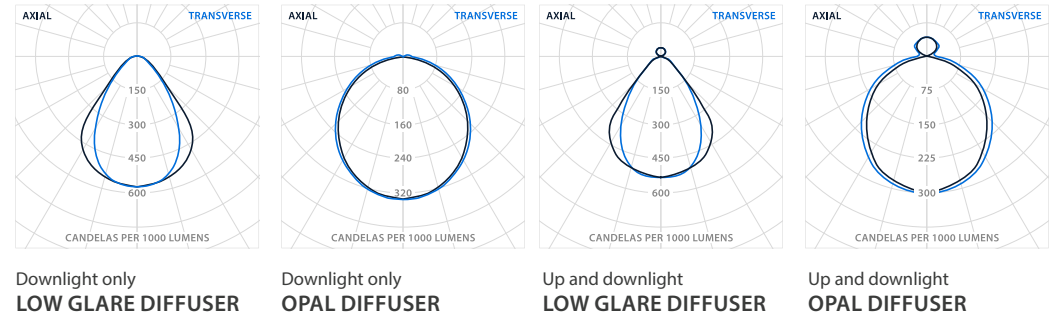


## FINISHING COMPONENTS

DESCRIPTION	CAT. No.	APPROX. kg
Opal diffuser (3m length)	FD20518	0.4
Low glare diffuser (3m length)	FD20519	0.4
Wire suspension kit (3m length)*	IK 20181	0.05
Surface mounting kit*	IK 20182	0.04
Recessed tethering kit	IK 20274	0.01
Surface wiring tidy - white	LL13361W12	0.40
Surface wiring tidy - black	LL13361B6	0.40

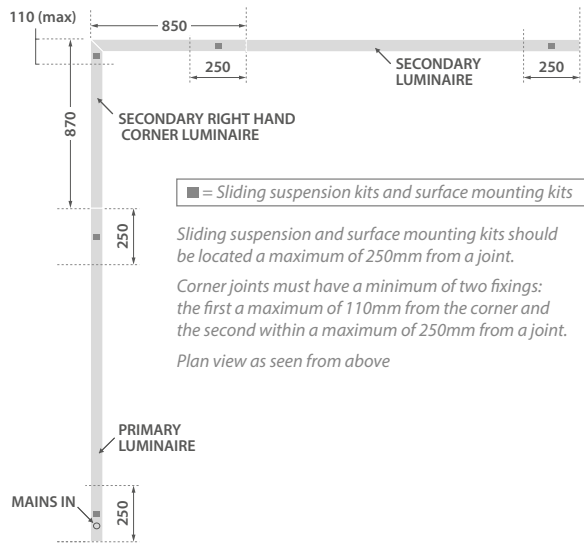
\* See fixing location graphics for required quantities.

## PHOTOMETRIC GUIDE

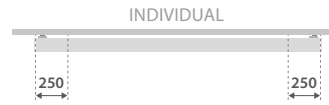


The SmartScan sensor is located centrally along the length of the luminaire which enables wireless grouping if required.

## SUSPENDED AND SURFACE MOUNTED CORNER JOINT FIXING LOCATIONS

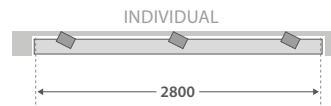


## SUSPENDED AND SURFACE MOUNTED INDIVIDUAL LUMINAIRE FIXING LOCATIONS



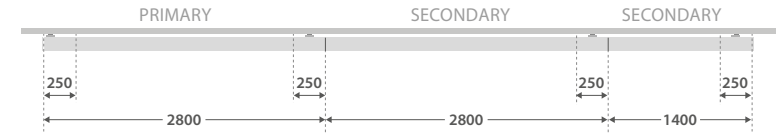
Sliding suspension kits and surface mounting kits should be located a maximum of 250mm from either end.

## RECESSED MOUNTED INDIVIDUAL LUMINAIRE FIXING LOCATIONS



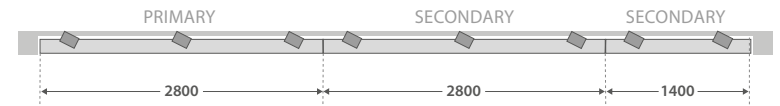
Individual recessed version cut-out size:  $2800 + 6^* = 2806 \times 48\text{mm}$   
 \* = 2 x End Caps

## SUSPENDED AND SURFACE MOUNTED CONTINUOUS LUMINAIRE FIXING LOCATIONS



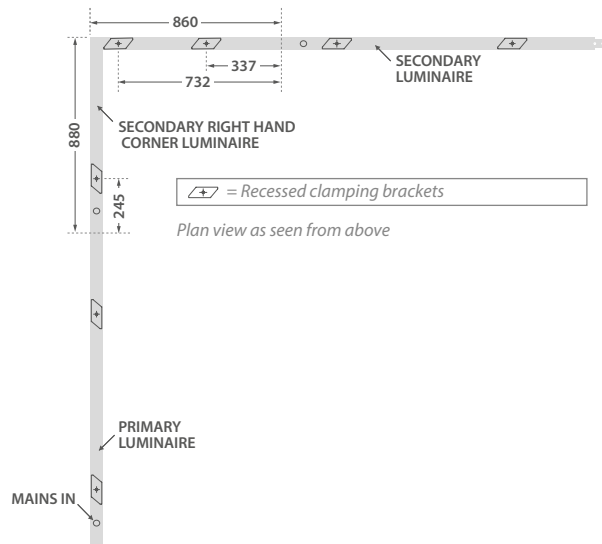
Sliding suspension kits and surface mounting kits should be located a maximum of 250mm either side of joints or from ends.

## RECESSED MOUNTED CONTINUOUS LUMINAIRE FIXING LOCATIONS



Continuous recessed version cut-out size:  $2800 + 2800 + 1400 + 6^* = 7006 \times 48\text{mm}$   
 \* = 2 x End Caps

## RECESSED CORNER JOINT FIXING LOCATIONS



## PRIMARY AND SECONDARY LUMINAIRES

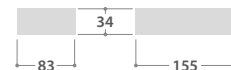


Continuous luminaires should start with a Primary followed by a Secondary luminaire up to a maximum of 12m. A new Primary luminaire must be used with a new electrical connection at 12m intervals.

## WIRING TIDY



Suitable for use with suspended versions the wiring tidy is a surface mounted, easy connect, wiring box for use on solid ceilings.



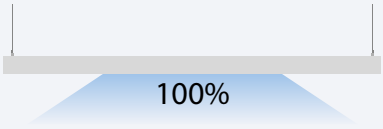
## RECESSED MOUNTED INSTALLATION



- 1 - Offer up the luminaire into the cut aperture and tighten the screw from below
- 2 - The bracket will rotate against the body and pull the body up to the ceiling

# Technical Data

## Downlight only



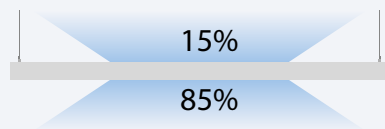
		Downlight Only 1.4m —		Downlight Only 2.8m —		Downlight Only Corner L	
	LED WATTAGE PER METRE	LED WATTAGE	LUMEN OUTPUT	LED WATTAGE	LUMEN OUTPUT	LED WATTAGE	LUMEN OUTPUT
OPAL	9	12W	1775	25W	3550	15W	2180
	15	21W	2960	42W	5920	25W	3635
	21	30W	4240	60W	8480	37W	5210
LOW GLARE	9	12W	1840	25W	3680	15W	2260
	15	21W *	3070	42W *	6140	25W *	3770
	21	30W *	4400	60W *	8800	37W *	5405

\* Exceeds EN12464-1 / LG7 <math>3000\text{cd/m}^2</math> @ 65° limit



# Technical Data

## Up and Downlight



	Up and Downlight 1.4m —			Up and Downlight 2.8m —		Up and Downlight Corner L	
	LED WATTAGE PER METRE	LED WATTAGE	LUMEN OUTPUT	LED WATTAGE	LUMEN OUTPUT	LED WATTAGE	LUMEN OUTPUT
OPAL	9	12W	1815	25W	3630	15W	2230
	15	21W	3025	42W	6050	25W	3715
	21	30W	4325	60W	8650	37W	5315
LOW GLARE	9	12W	1870	25W	3740	15W	2300
	15	21W *	3120	42W *	6240	25W *	3835
	21	30W *	4460	60W *	8920	37W *	5480

\* Exceeds EN12464-1 / LG7 <math>3000\text{cd/m}^2</math> @ 65° limit



# Flex Family

Flexbar Diffuser is part of the Flexbar and Flex family of products.

The Flex family is a range of luminaires providing high quality, low-glare lighting in a range of form factors, allowing the lighting designer to create attractive and inspirational spaces.

For further information on Flex family products, please contact your local lighting sales engineer or visit [www.thorlux.com/products](http://www.thorlux.com/products)



## Flexbar



Flexbar is a slim, low-glare linear luminaire that can be individually or continuously surface mounted, suspended or recessed. Available with or without uplight, in white or black finish, available in three sizes and with the choice of three reflectors.





## Flexview



Flexview is a recessed lay-in luminaire with a dual light engine. Flexview combines a low-power, edge-lit picture window with separate sophisticated and highly efficient low glare optics for main space illumination.



## Flexline



Flexline is a super narrow profile luminaire specifically for mounting to exposed T-bar ceilings. It is available in different lengths and shapes to create interesting lighting arrangements, offering a radically different solution to conventional 600x600 luminaires.



## Flexbeam



Flexbeam is a suspended, narrow profile acoustic luminaire which can be installed alongside Flexbeam plain baffles to create a combined acoustic and low-glare lighting solution.



## Flexblox



Flexblox is a linear, low-glare downlight which can be used to enliven designs on standard grid layouts. Flexblox MultiDrive can save on installation costs by powering multiple luminaires from one gear box and allowing the wattage to be set on-site.



Designers, manufacturers and suppliers  
of professional lighting systems

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