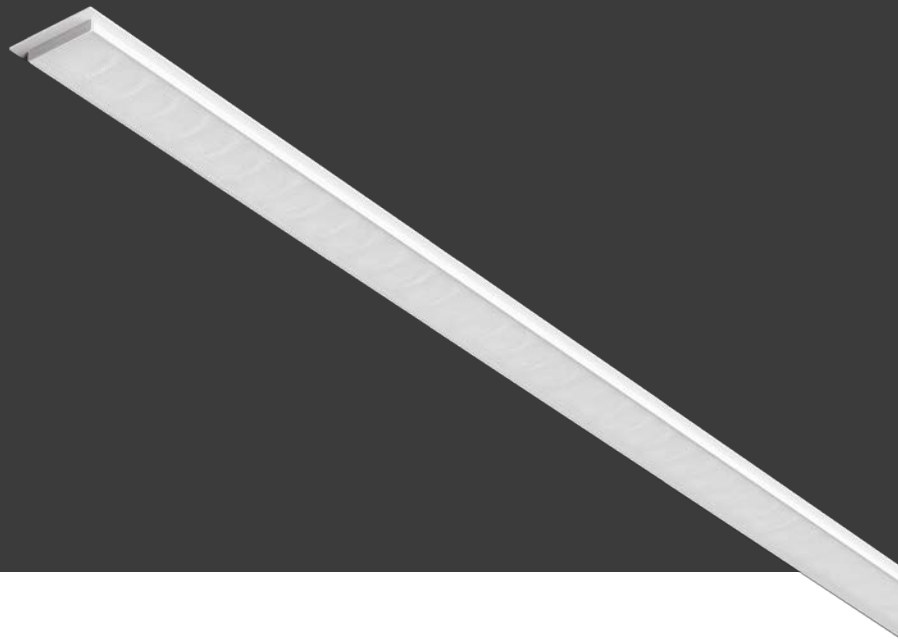


FLEXBAR DIFFUSER RECESSED INDIVIDUAL



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 (<3000cd/m² @ 65°)
- Fitted with 4000K LEDs

SmartScan Configurations



Find out more at www.thorlux.com/smartscan

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

WEIGHTS

VERSION	APPROX. kg
1400	4.3
2800	7.3

EMERGENCY

Add 0.3kg to weight listed.

SMARTSCAN

Add 0.1kg to weight listed.

SMARTSCAN EMERGENCY

Add 0.4kg to weight listed.

LUMINAIRE CONFIGURATOR

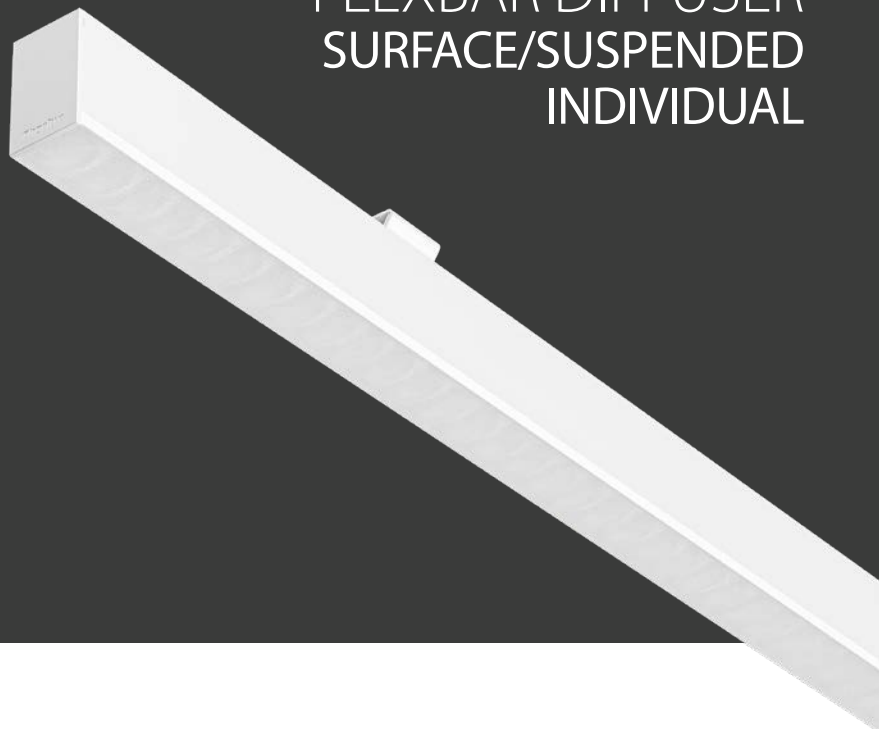
EMERGENCY TYPE	PRODUCT CODE	WATTAGE	LENGTH	VARIANT	DIFFUSER	CONTROL TYPE
1400mm Individual						
W SmartScan*	FXD Flexbar Diffuser	12 12W	M 1400	V Individual	O Opal	S SmartScan
D DALI/Self-Test**		21 21W			L Low glare	A Dimming (DALI)
E Emergency**		30 30W				L Non-dimming
2800mm Individual						
W SmartScan*	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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Technical information and finishing components from page 7.

FLEXBAR DIFFUSER SURFACE/SUSPENDED 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</math> @ 65°)
- Fitted with 4000K LEDs

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

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

WEIGHTS

VERSION	APPROX. kg
1400	4.2 ●
2800	7.2 ▲

EMERGENCY

Add 0.3kg to weight listed.

SMARTSCAN

Add 0.1kg to weight listed.

SMARTSCAN EMERGENCY

Add 0.4kg 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
1400mm Individual							
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
2800mm Individual							
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.

Technical information from page 7.

FLEXBAR DIFFUSER 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

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

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

WEIGHTS

VERSION	APPROX. kg
1400 Secondary	3.7
2800 Primary	7.1
2800 Secondary	6.6

EMERGENCY

Add 0.3kg to weight listed.

SMARTSCAN

Add 0.1kg to weight listed.

SMARTSCAN EMERGENCY

Add 0.4kg to weight listed.

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.

Technical information and finishing components from page 7.

FLEXBAR DIFFUSER SURFACE/SUSPENDED 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
- 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}/\text{m}^2 @ 65^\circ</math>)
- Fitted with 4000K LEDs

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

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

WEIGHTS

VERSION	APPROX. kg
1400 Secondary	3.6 ●
2800 Primary	7.0 ▲
2800 Secondary	6.5 ▲

EMERGENCY

Add 0.3kg to weight listed.

SMARTSCAN

Add 0.1kg to weight listed.

SMARTSCAN EMERGENCY

Add 0.4kg to weight listed.

UPLIGHT

Add ● 0.2kg or ▲ 0.4kg to weight.

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

E.g. WFD25LPXS

W SmartScan	FD Flexbar Diffuser	25 25W	L 2800	P Primary	X No uplight	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.

Technical information and finishing components from page 7.

FLEXBAR DIFFUSER 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

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	135.3

For LED characteristics explanation see www.thorlux.com/led-guide

WEIGHTS

VERSION	APPROX. kg
Corner Primary	5.0
Corner Secondary	4.5

SMARTSCAN

Add 0.1kg to weight listed.

LUMINAIRE CONFIGURATOR

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

E.g. FXD15CPLOS

FXD Flexbar Diffuser	15 15W	C 870 x 850	PL Primary left corner	O Opal	S SmartScan
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Note: White body as standard. For black body versions, suffix catalogue number with B6.

Note: Corners not available with emergency version.

Technical information and finishing components from page 7.

FLEXBAR DIFFUSER SURFACE/SUSPENDED 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

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	135.3

For LED characteristics explanation see www.thorlux.com/led-guide

WEIGHTS

VERSION	APPROX. kg
Corner Primary	4.9
Corner Secondary	4.4

SMARTSCAN

Add 0.1kg to weight listed.

UPLIGHT

Add 0.2kg to weight.

LUMINAIRE CONFIGURATOR

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

E.g. FD15CPLXOS

FD Flexbar Diffuser	15 15W	C 870 x 850	PL Primary left corner	X No uplight	O Opal	S SmartScan
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Note: White body as standard. For black body versions, suffix catalogue number with B6.

Note: Corners not available with emergency version.

Technical information and finishing components from page 7.

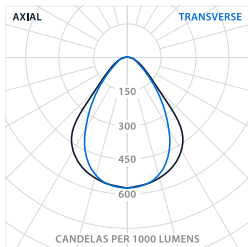
FLEXBAR DIFFUSER



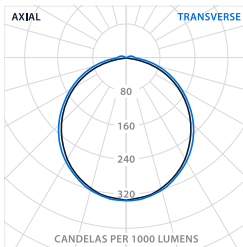
Score:
2.6

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

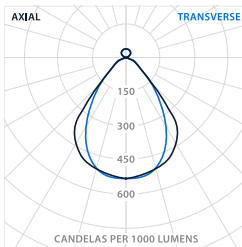
PHOTOMETRIC GUIDE



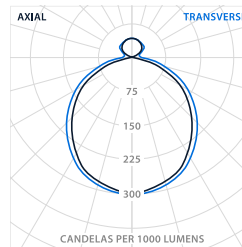
Downlight only
LOW GLARE DIFFUSER



Downlight only
OPAL DIFFUSER



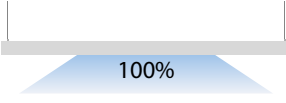
Up and downlight
LOW GLARE DIFFUSER



Up and downlight
OPAL DIFFUSER

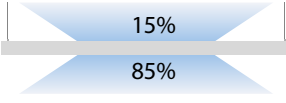
FLEXBAR DIFFUSER

TECHNICAL DATA



	LED WATTAGE PER METRE	Downlight Only 1.4m —		Downlight Only 2.8m —		Downlight Only Corner L	
		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 <3000cd/m² @ 65° limit



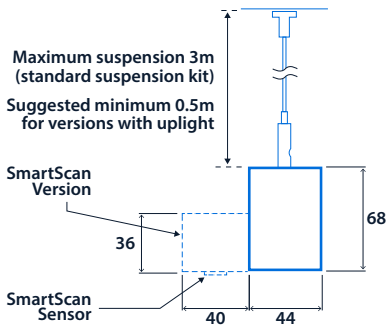
	LED WATTAGE PER METRE	Up and Downlight 1.4m —		Up and Downlight 2.8m —		Up and Downlight Corner L	
		LED WATTAGE	LUMEN OUTPUT	LED WATTAGE	LUMEN OUTPUT	LED WATTAGE	LUMEN OUTPUT
OPAL	9	12W	1815	25W	3630	15W	2230
	15	21W	3025	42W	6050	25W	3715
	21	30W	4325	60W	8650	37W	5315
LOW GLARE	9	12W	1870	25W	3740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

* Exceeds EN12464-1 / LG7 <3000cd/m² @ 65° limit

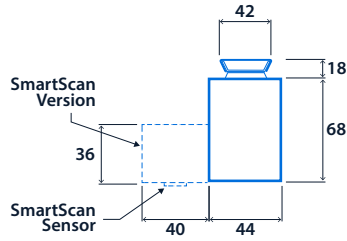
FLEXBAR DIFFUSER

DIMENSIONS

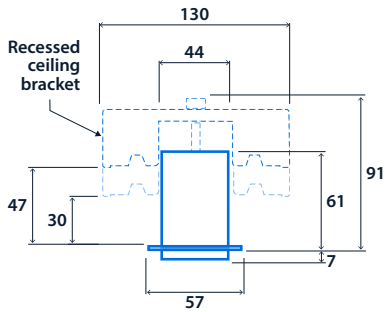
Suspended version



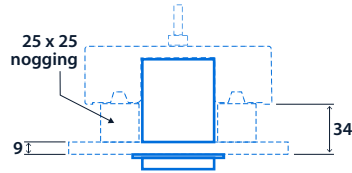
Surface version



Recessed version (pull-up only)



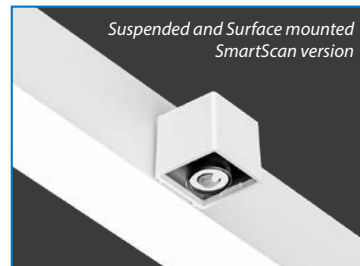
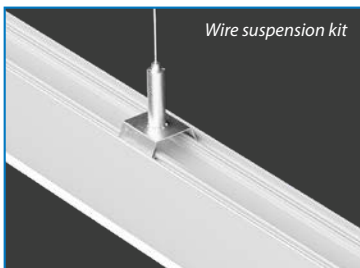
Mounting Arrangement - Plasterboard ceiling



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

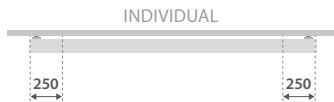
* See fixing location graphics for required quantities.



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

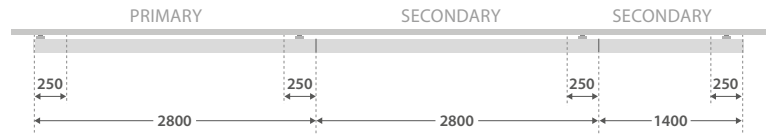
FLEXBAR DIFFUSER

SUSPENDED AND SURFACE MOUNTED INDIVIDUAL LUMINAIRE FIXING LOCATIONS



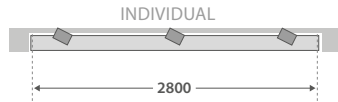
Sliding suspension kits and surface mounting kits should be located a maximum of 250mm from either end.

SUSPENDED AND SURFACE MOUNTED CONTINUOUS LUMINAIRE FIXING LOCATIONS



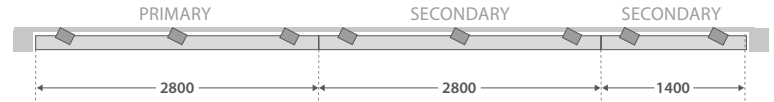
Sliding suspension kits and surface mounting kits should be located a maximum of 250mm either side of joints or from ends.

RECESSED MOUNTED INDIVIDUAL LUMINAIRE FIXING LOCATIONS



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

RECESSED MOUNTED CONTINUOUS LUMINAIRE FIXING LOCATIONS



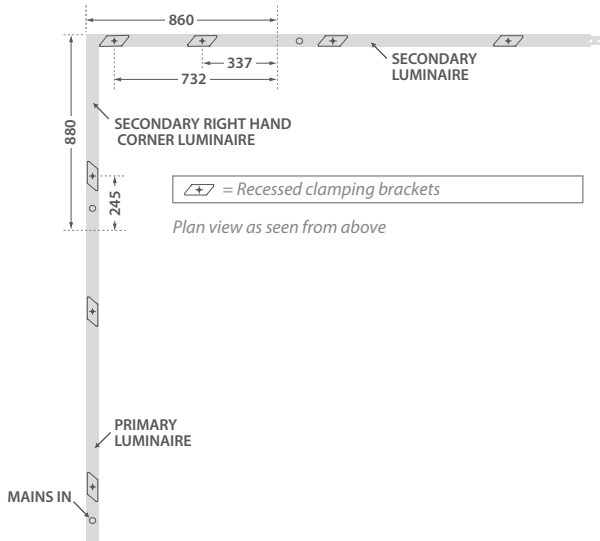
Continuous recessed version cut-out size: $2800 + 2800 + 1400 + 6^* = 7006 \times 48\text{mm}$
 * = 2 x End Caps

PRIMARY AND SECONDARY LUMINAIRES



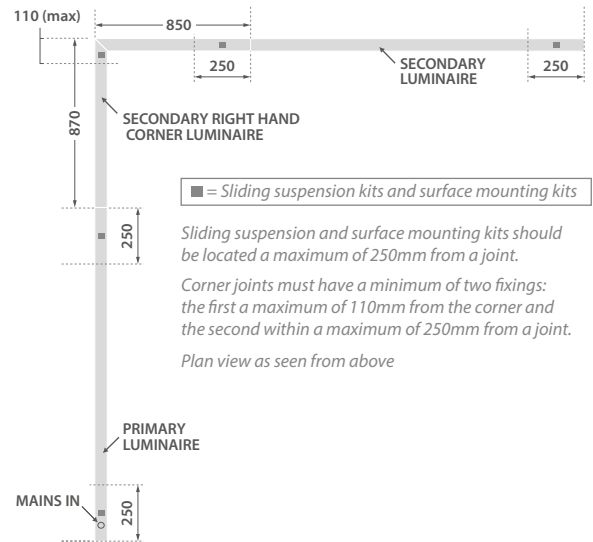
Continuous luminaires should start with a Primary followed by a Secondary luminaire up to a maximum of 12m. A new Primary luminaire must be used with a new electrical connection at 12m intervals.

RECESSED CORNER JOINT FIXING LOCATIONS



Plan view as seen from above

SUSPENDED AND SURFACE MOUNTED CORNER JOINT FIXING LOCATIONS



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

Corner joints must have a minimum of two fixings: the first a maximum of 110mm from the corner and the second within a maximum of 250mm from a joint.

Plan view as seen from above

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

WIRING TIDY



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

