Flexbar Diffuser

Slimline linear luminaires



Flexbar Diffuser is an elegant linear luminaire that is ideal for a wide range of applications. The uninterrupted diffuser creates striking lines of light across the ceiling, whether mounted on the surface, suspended, or recessed. The range includes individual, continuous, and corner lengths to allow designers to be flexible with their lighting designs.

The dropped diffuser, available in opal and low-glare, provides upward light, creating a softer appearance whilst supporting illumination on the walls and ceiling, and aiding compliance to EN 12464-1 and LG7.

Applications: offices, education, meeting rooms, healthcare, circulation, leisure, and retail.

- Integral through wiring system with plug and socket connector versions
- TM66 score of 2.6 - LIA/CIBSE certification scheme TSD-012 verified
- White (RAL 9016) or black (RAL 9005) body finishes
- Polycarbonate TP(a) fire-retardant diffuser in opal or low glare options (ordered separately on continuous - straight versions)
- Versions with optional uplight component
- Surface, suspended and recessed mounting options
- Low glare optics for EN12464-1 / LG7 (<3000cd/m² @ 65°) when using the low glare diffuser

Notes: See installation leaflet for fixing locations. For surface/suspended SmartScan versions, sensors are left-mounted. Use only left-hand corners for square or rectangular layouts to ensure all sensors face inward.

IP20 | **Up to 135.3 LL/CW** | SMARTSCAN | LUXGUARD | **TM66 circularity score 2.6**

Specification

Mounting	**Recessed** **Surface** **Suspended**	IP rating	**IP20**
Nominal size	**850 x 870 mm** **1400 mm** **2800 mm**	Max presence detection height	**8 m**

Sustainability

TM66 circularity score	**2.6**

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Lighting

Optic	**Low glare diffuser** **Opal diffuser**	Lumen output	**1,775 lm - 8,920 lm**
Efficacy	**Up to 135.3 LL/CW**	Additional light element	**Uplight**

Emergency data

Emergency lumen output	**350 lm - 365 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Power

LED power	**12 W - 60 W**	LED power per metre	**9 W - 21 W**
Circuit power	**15 W - 67 W**		

Construction

Housing	**Extruded aluminium body**	Finish	**Full polyester powder coat**
Body colour	**Black (RAL 9005)** **White (RAL 9016)**	Optical assembly	**Polycarbonate TP(a) fire-retardant diffuser**

LED characteristics

CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L90/B10**	LED protection	**LUX Guard**
Driver efficiency	**>84%**	Replaceable light source	**Yes**
Power factor	**>0.85**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

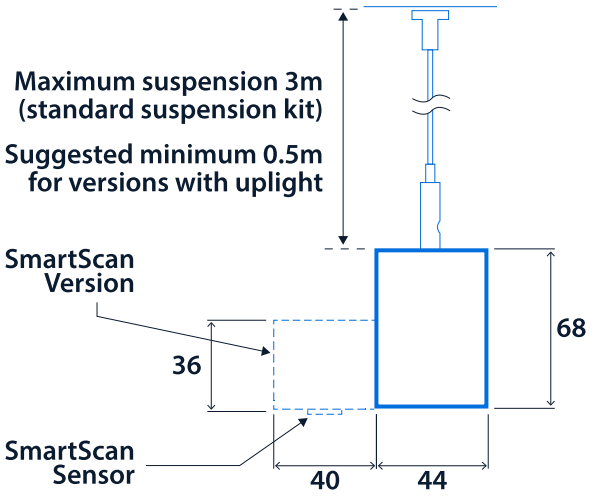
UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class B**		

Linear System

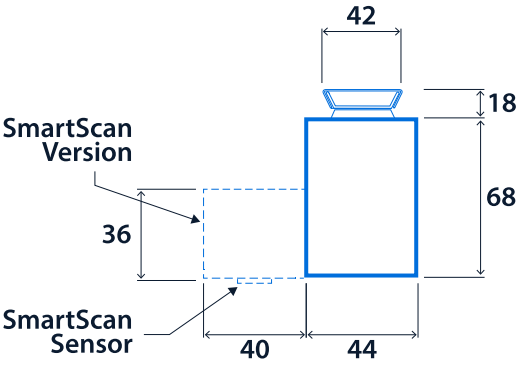
Linear variant	**Corner - left hand** **Corner - right hand** **Straight**

Dimensions

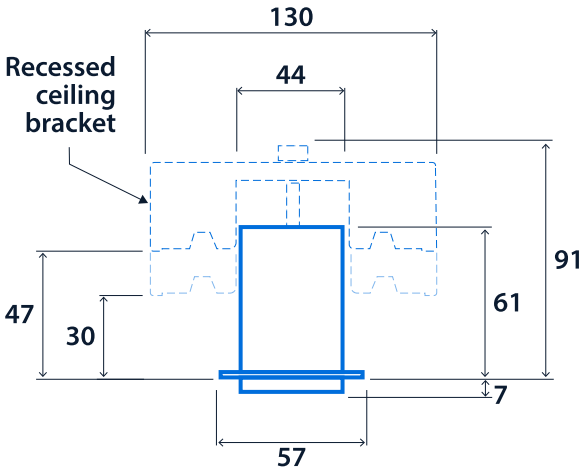
Suspended version



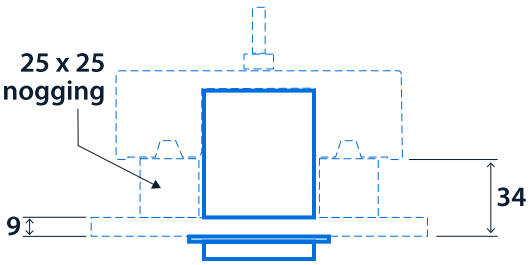
Surface version



Recessed version (pull-up only)



Mounting Arrangement - Plasterboard ceiling



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Range

	Emergency system (optional)	Product	LED power	Nominal size	Variant	Uplight***	Diffuser	Lighting control system
Individual - Straight	**W** SmartScan Emergency* **T** AutoTest Emergency** **E** Standard Emergency**	**FD** Flexbar Diffuser Surface / Suspended **FXD** Flexbar Diffuser Recessed	**12** 12 W **21** 21 W **30** 30 W **25** 25 W **42** 42 W **60** 60 W	**M** 1400 mm **L** 2800 mm	**V** Individual	**X** No uplight **U** Uplight	**O** Opal **L** Low glare	**S** SmartScan Internal **A** Dimming (DALI) **L** Non-dimming
Continuous - Straight	**W** SmartScan Emergency* **T** AutoTest Emergency** **E** Standard Emergency**	**FD** Flexbar Diffuser Surface / Suspended **FXD** Flexbar Diffuser Recessed	**12** 12 W **21** 21 W **30** 30 W **25** 25 W **42** 42 W **60** 60 W	**M** 1400 mm **L** 2800 mm	**S** Secondary **P** Primary **S** Secondary	**X** No uplight **U** Uplight	Diffuser ordered separately - see finishing components (leave blank)	**S** SmartScan Internal **A** Dimming (DALI) **L** Non-dimming
Continuous - Corner		**FD** Flexbar Diffuser Surface / Suspended **FXD** Flexbar Diffuser Recessed	**15** 15 W **25** 25 W **37** 37 W	**C** 870 x 850 mm	**PL** Primary left **PR** Primary right **SL** Secondary left **SR** Secondary right	**X** No uplight **U** Uplight	**O** Opal **L** Low glare	**S** SmartScan Internal **A** Dimming (DALI) **L** Non-dimming

* **Only** available with **S** control type ** **Only** available with **A / L** control type *** **Not** available with **FXD** product type (leave blank)

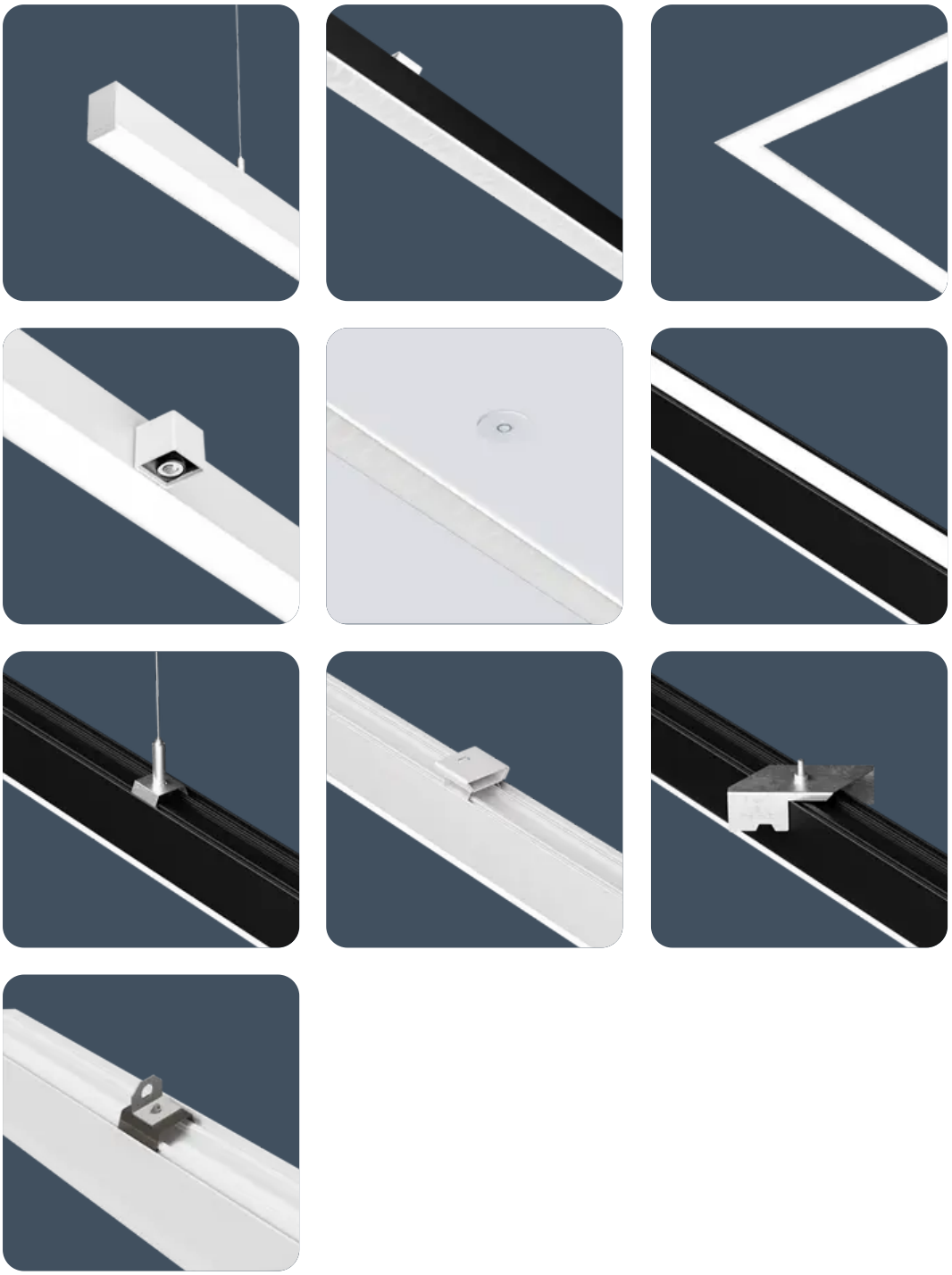
Black version - suffix catalogue number with **B6**

E.g. **WFXD12MSSB6** = Continuous - Straight / SmartScan Emergency / Flexbar Diffuser Recessed / 12 W / 1400 mm / Secondary / SmartScan Internal / Black version

Finishing Components

Product code	Description	Weight
FD20518	Opal diffuser - 3 m length	0.4 kg
FD20519	Low glare diffuser - 3 m length	0.4 kg
IK20181	Wire suspension kit - 3 m length - See mounting point spacing table in installation leaflet for required quantities	0.05 kg
IK20182	Surface mounting kit - See mounting point spacing table in installation leaflet for required quantities	0.04 kg
IK20274	Recessed tethering kit	0.01 kg
LL13361W12	Surface wiring tidy - White	0.4 kg
LL13361B6	Surface wiring tidy - Black	0.4 kg

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Information is correct as of 04 Nov 2026, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.