

2020

I LINE

I LINE is a pre-wired LED lighting system that offers flexibility, performance and ease of installation. It is suitable for retail and industrial applications, with a wide range of outputs and optic controls to provide energy savings as well as a dynamic and modern addition to architectural design projects.



Lighting for
a Living

CONTENTS 3-4

4-5
I LINE

6-7
APPLICATIONS

8
SYSTEM TRUNKING

9
SYSTEM LIGHT MODULES

10-11
TRUNKING RAIL

12
PHOTOMETRICS

14-15
LIGHT MODULES

16-17
3 CIRCUIT TRACK MODULES

18-21
CONNECTIONS

I LINE

- + Pre-wired trunking sections available in 3 lengths
- + LED lighting modules plug into trunking spines
- + LED lighting modules with a choice of 3 different optics
- + DALI dimming control gear as standard with emergency option available
- + 3-circuit lighting track module for use with Tam-lite track spots
- + Wire suspension or surface mounting
- + 'X', 'L' or 'T' connectors for full system design
- + Finished in RAL9016 white
- + 5 Years system warranty



I LINE

A. PRE-WIRED TRUNKING



A.

Available in nominal 600mm, 1500mm and 3000mm lengths and pre-wired with 11 pole, 2.5mm² PVC wiring loom for use with DALI dimmable circuit and emergency.

B. LED LIGHTING MODULES



B.

LED lighting modules that plug into the pre-wired trunking sections. Available in three power outputs and with a choice of wide, narrow or double asymmetric distributions. DALI control gear is supplied as standard, with a 3 hour maintained emergency option.

C. MODULE OPTIONS



3 circuit track and snap-fit blanking cover plates can be added in 600mm & 1500mm lengths.

D. CONNECTIONS



Connection nodes allow for full system flexibility. Mains feed kit and wire suspensions provide assembly options.

APPLICATIONS

RETAIL

With the focus on margins and the need to provide high quality lighting installations, the I LINE is a perfect solution for large or small retailers. The double asymmetric optic module can provide high vertical illumination for main shopping aisles whilst the 3-circuit track modules allow the introduction of accent lighting for highlight or display areas.



INDUSTRIAL

Industrial applications often need a high degree of flexibility but also high levels of illumination throughout the warehouse or manufacturing space. The I LINE with its wide beam optic can deliver a high quality of light yet can be designed to provide significant energy savings. The LED lighting modules can provide over 10 years of low maintenance lighting combined with long-term energy reductions. Installation time and subsequent costs are greatly reduced by the pre-wired trunking rails and the simple connection accessories.



SYSTEM TRUNKING

Extruded aluminium trunking rail for surface or suspended mounting.

Supplied with pre-assembled 11 pole rail connector to accommodate three mains circuits with the addition of DALI and emergency connections.

Maximum system rating per circuit is 16A (3500W).

Maximum circuit length is 150m.



SYSTEM LIGHT MODULES

Manufactured from extruded aluminium with high efficiency LED light module with a choice of three distributions.

Market leading luminaire efficacy up to 155 lm/W.

Supplied with a DALI dimmable driver as standard.

All luminaire modules are based on a standard nominal length of 1500mm.

Three power options are available 35W, 55W and 75W.

Simple easy to fit lock in system allows a flexible and speedy installation.



TRUNKING RAIL

The simple, pre-wired and pre-assembled trunking rails are the core of the I LINE system. Connect the power feed into the first trunking rail then each additional trunking rail is connected into the first rail. Each additional rail simply push-fits into each other to provide a continuous mechanical and electrical installation.

The system is rated at 16A which allows for up to 3500W of power on one length. With the 1500mm 35W light module this can be a single continuous run up to 150 metres.

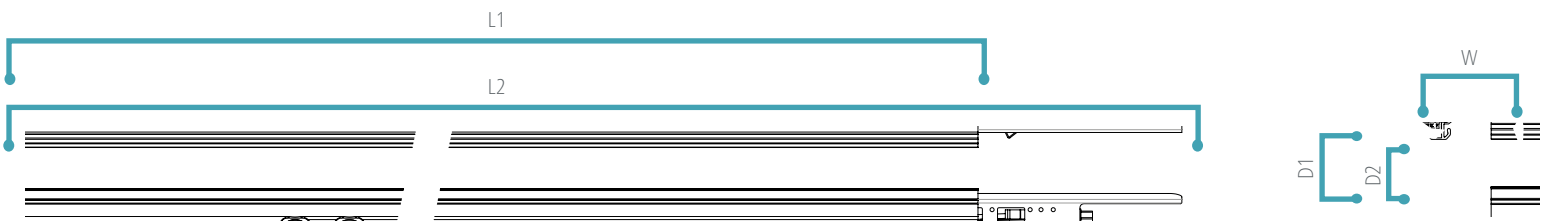
The trunking rails are supplied as 11 pole units which allows for 3-circuit lighting, DALI and emergency connections. The units are supplied in 3 different lengths to enable flexible installation to most applications. Trunking can be suspended every 3 metres by an easy-fit, wire suspension hanger. Alternatively the units can be surface mounted with a surface fixing kit.

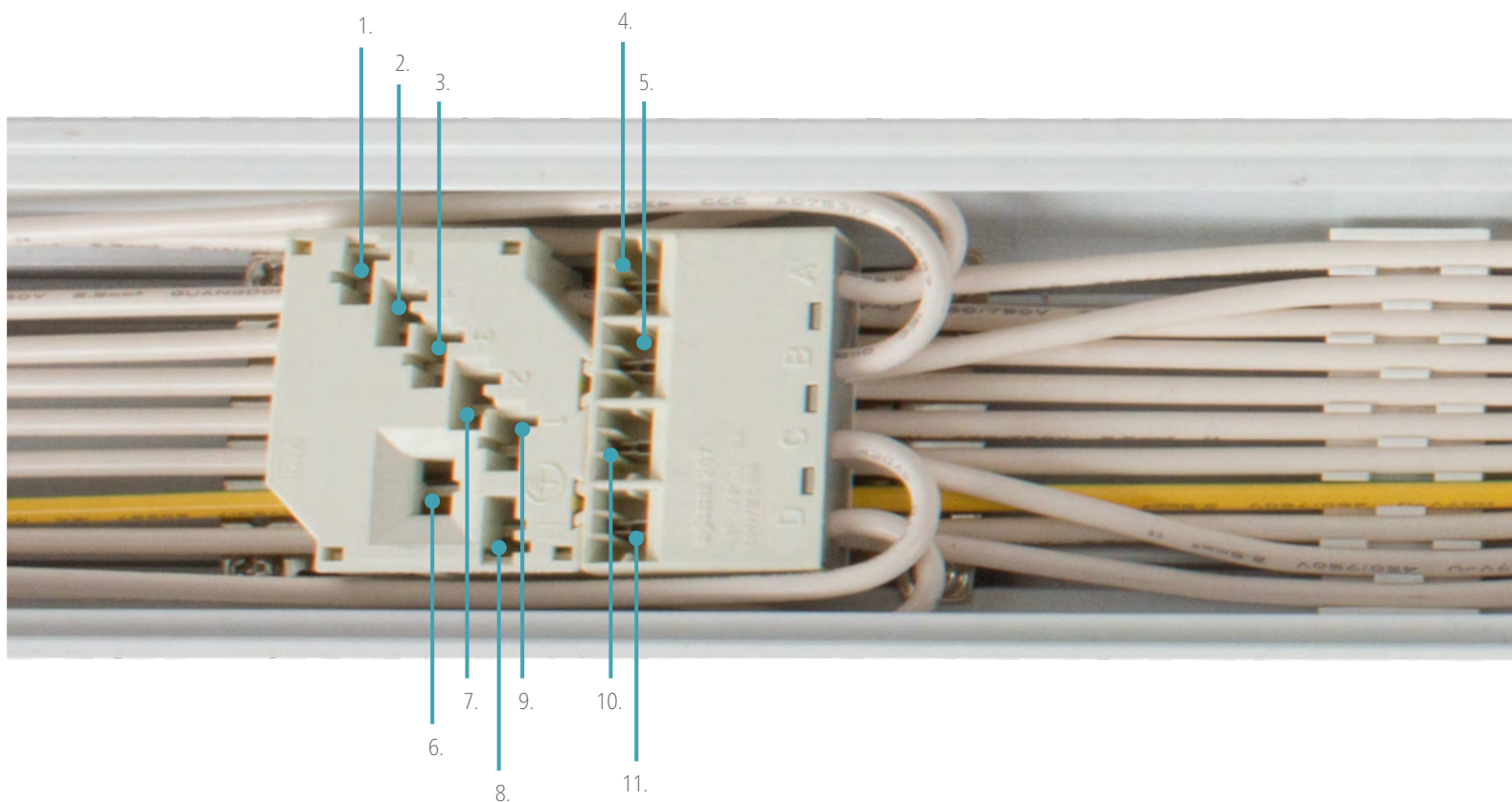
TRUNKING RAIL

Order Code	Description	L1 (mm)	L2 (mm)	W (mm)	D1* (mm)	D2* (mm)	kg
ILT211	11 pole Trunking Rail	570	720	68	48	41	0.68
ILT511	11 pole Trunking Rail	1416	1566	68	48	41	1.38
ILT1011	11 pole Trunking Rail	2832	2932	68	48	41	2.76

*Depth of Trunking Rail only

Recommended maximum fixing distance is 3000mm. Please see page 18 for fixing accessories.



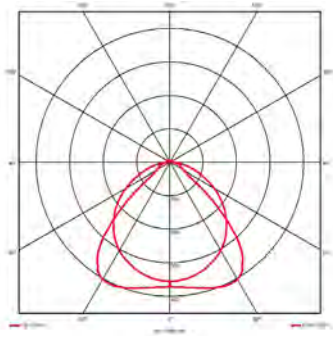


THE 11 POLE TRUNKING RAIL PROVIDES POWER AS FOLLOWS:

- | | |
|------------------------|-----------------------|
| 1. DALI -1 | 7. Live for circuit 2 |
| 2. DALI -2 | 8. Neutral |
| 3. Live for circuit 3 | 9. Live for circuit 1 |
| 4. Emergency Neutral 1 | 10. Spare Connection |
| 5. Emergency Live 1 | 11. Maintained Live |
| 6. Earth | |

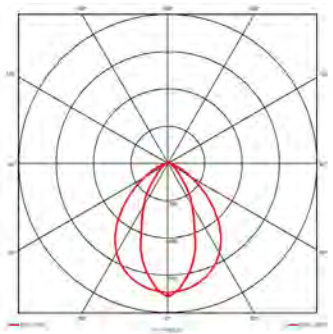
PHOTOMETRICS

Wide



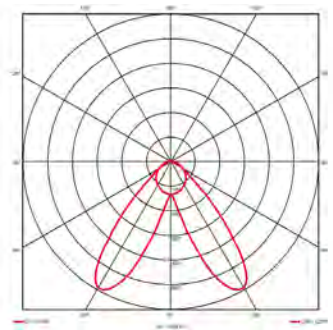
The wide beam optic has a 90° (transverse) and 105° (axial) beam angle.

Narrow



The narrow beam allows for use in high-level racking areas with a beam angle of 40°.

Double Asymmetric



The double asymmetric is ideal for retail or racking aisles. It has a focused beam to wash up and down and makes it ideal to illuminate vertical surfaces.



43

meat
bacon & sausages

fresh milk

44

cooking sauce
yoghurt
pasta

Click & Collect

45

rice

£2.74

£2.74

LIGHT MODULES

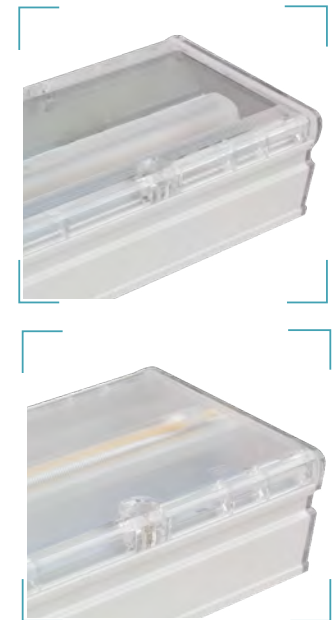
The I LINE LED light modules represent the very latest in high-performance and the ultimate in light quality to provide an ideal solution for retail, industrial and commercial applications.

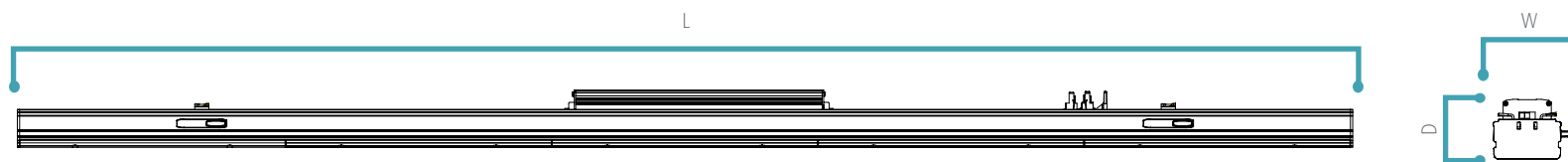
The LED modules use the latest LED chip technology and can provide over 155 lm/W with a CRI: Ra>80, SDCM of 3 and 4000K colour temperature.

The modules are powered by Philips Xitanium drivers with DALI dimming as standard and a life of 50,000 hours (L70/B50).

The modules are available in 1500mm lengths with a choice of narrow, wide or double asymmetric optics which are pre-fitted to the light modules.

Each module simply push-fits into the trunking rail by offering the male plug connector up to the matching female socket in the trunking rail. Once fitted the unit is locked into place with a simple lever.





LIGHT MODULES

Order Code	Description	L (mm)	W (mm)	D (mm)*	kg*	lm	W	lm/W
ILM535NB11	35W - DALI gear - narrow beam	1416	73	80	2.10	5450	35.0	156
ILM535WB11	35W - DALI gear - wide beam	1416	73	80	2.10	5350	35.0	153
ILM535DA11	35W - DALI gear - double asymmetric beam	1416	73	80	2.10	5450	35.0	156
ILM555NB11	55W - DALI gear - narrow beam	1416	73	80	2.10	8300	55.0	151
ILM555WB11	55W - DALI gear - wide beam	1416	73	80	2.10	8150	55.0	148
ILM555DA11	55W - DALI gear - double asymmetric beam	1416	73	80	2.10	8300	55.0	151
ILM575NB11	75W - DALI gear - narrow beam	1416	73	80	2.10	10800	75.0	144
ILM575WB11	75W - DALI gear - wide beam	1416	73	80	2.10	10600	75.0	141
ILM575DA11	75W - DALI gear - double asymmetric beam	1416	73	80	2.10	10800	75.0	144

LIGHT MODULES: 3 HOUR EMERGENCY VERSIONS

Order Code	Description	L (mm)	W (mm)	D (mm)*	kg*	lm**	W**
ILM535NB11M3	35W - DALI gear - narrow beam	1416	73	80	2.45	440	3
ILM535WB11M3	35W - DALI gear - wide beam	1416	73	80	2.45	435	3
ILM535DA11M3	35W - DALI gear - double asymmetric beam	1416	73	80	2.45	440	3
ILM555NB11M3	55W - DALI gear - narrow beam	1416	73	80	2.45	440	3
ILM555WB11M3	55W - DALI gear - wide beam	1416	73	80	2.45	435	3
ILM555DA11M3	55W - DALI gear - double asymmetric beam	1416	73	80	2.45	440	3
ILM575NB11M3	75W - DALI gear - narrow beam	1416	73	80	2.45	440	3
ILM575WB11M3	75W - DALI gear - wide beam	1416	73	80	2.45	435	3
ILM575DA11M3	75W - DALI gear - double asymmetric beam	1416	73	80	2.45	440	3

*Dimensions and weights of lighting modules only

**Emergency mode outputs

3 CIRCUIT TRACK MODULES

For many retail, display and accent areas the use of track spotlights continues to be the choice for lighting designers.

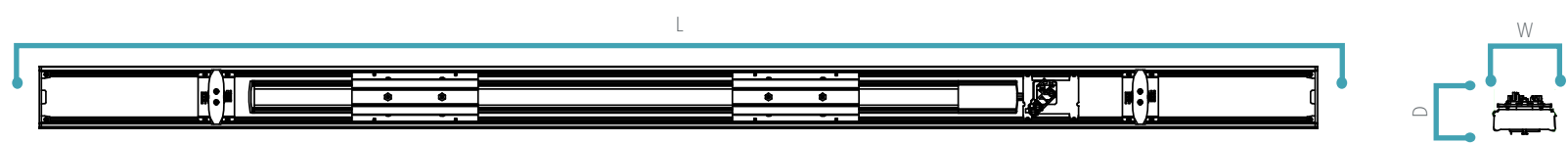
The I LINE offers the integration of the Tam-lite TRIO 3-circuit track system into the trunking rails with a wide range of spotlights to suit.

The track module simply snap-fits in as all others do and can be easily configured to use 1, 2 or 3 circuits for many different effects.

The track modules are available in nominal 600mm and 1500mm lengths.

3 CIRCUIT TRACK MODULES

Order Code	Description	L (mm)	W (mm)	D (mm)	kg
ILT3T211	3 Circuit Track Modules	568	73	24	0.71
ILT3T511	3 Circuit Track Modules	1416	73	24	1.78



- + Fully adjustable, slim profile LED track spotlight with integral driver
- + Die-cast aluminium body – RAL 9016 [matt finish]
- + Philips module and driver – 50,000 hours [L70/B50]
- + Supplied with 45° wide beam reflector
- + Up to 89 lm/W
- + CRI: Ra>80
- + Supplied in 4000°K



EUROPA LED - TRACK MOUNTED LED SPOTLIGHT

Order Code	LED	lm	W	lm/W	kg
TD20TS19L/3T/NW	19W - 4000K	1700	19	89	0.90
TD20TS28L/3T/NW	28W - 4000K	2700	28	96	0.90

- + Fully adjustable, high output LED track spotlight
- + Die-cast aluminium body – RAL 9010 [matt finish]
- + Osram module and driver – 50,000 hours [L70/B50]
- + Supplied with 24° narrow beam reflector, with 40° wide beam available
- + Up to 91 lm/W
- + CRI: Ra>80
- + Supplied in 4000°K



2020 TS SPOT - HIGH OUTPUT LED TRACK SPOT WITH INTEGRAL DRIVER

Order Code	LED	lm	W	lm/W	kg
TS390/NW	43W - 4000K	3900	43	91	1.80
TS390/NW/WB	43W - 4000K	3900	43	91	1.80

CONNECTIONS

L' NODE CONNECTOR

- + L connector for system linking
- + Finished in white RAL 9016 with power feed in option



Order Code	Description
ILLN11BPF	'L' Node connector with power feed - type B



Order Code	Description
ILLN11B	'L' Node connector - type B



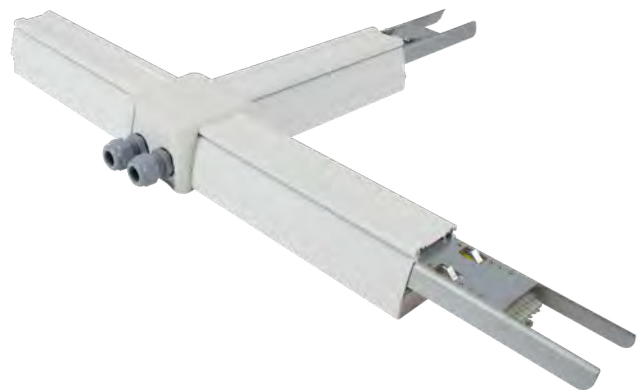
Order Code	Description
ILLN11APF	'L' Node connector with power feed - type A



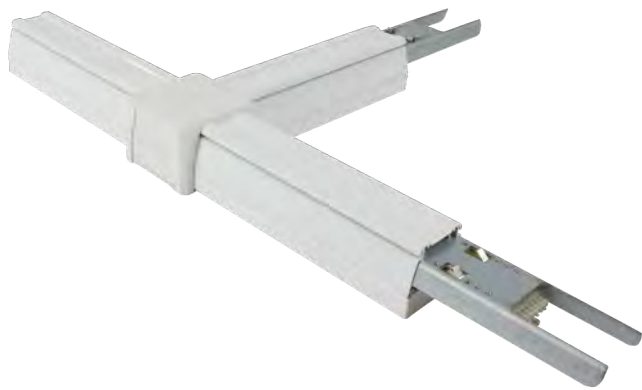
Order Code	Description
ILLN11A	'L' Node connector - type A

T NODE CONNECTOR

- + T connector for system linking
- + Finished in white RAL 9016 with power feed in option



Order Code	Description
ILTN11BPF	'T' Node connector with power feed - type B



Order Code	Description
ILTN11B	'T' Node connector - type B



Order Code	Description
ILTN11APF	'T' Node connector with power feed - type A



Order Code	Description
ILTN11A	'T' Node connector - type A

X NODE CONNECTOR

- + X connector for system linking
- + Finished in white RAL 9016

Order Code	Description
ILXN	'X' Node connector



POWER FEED

- + Power feed supply box with in/out cable entry and 11 pole termination
- + Finished in white RAL 9016 with screwed down plastic cover

Order Code	Description
ILPF11	Power feed-in box



END CAP

- + Plastic end cap finished in white RAL 9016
- + 1 required for each end of run if power feed is used

Order Code	Description
ILEC	End cap (x1)



CABLE GLAND

- + M20 x 1.5mm cable gland

Order Code	Description
ILCG	M20 x 1.5mm cable gland



BLANKING COVER PLATES

- + Blanking cover plates to snap-fit to trunking sections
- + Available in nominal 600mm or 1500mm sizes
- + Finished in white RAL 9016

Order Code	Description	L (mm)
ILBC2	600mm blanking cover plate	570
ILBC5	1500mm blanking cover plate	1416



SURFACE FIXING CLAMP

- + Surface fixing clamp for mounting to 'T' bar ceilings
- + Surface fixing clamp for mounting to solid ceilings with 6mm dia. fixing hole
- + 2 per trunking length required

Order Code	Description	L (mm)	W (mm)	H (mm)
ILSMT	Surface mount on to a T-Bar ceiling	55	32	17
ILSM	Surface mount on to a solid ceiling	55	32	17



WIRE SUSPENSION

- + 3M wire suspension with ceiling mounted hook and clip/bolt for fixing to Trunking Rail
- + 1.5mm dia. steel wire with stainless steel hook and clip
- + Maximum weight 30Kg
- + 2 per trunking length required

Order Code	Description	L (mm)	Dia (mm)
ILWS	3M wire suspension kit with hook and clip	3000	1.5



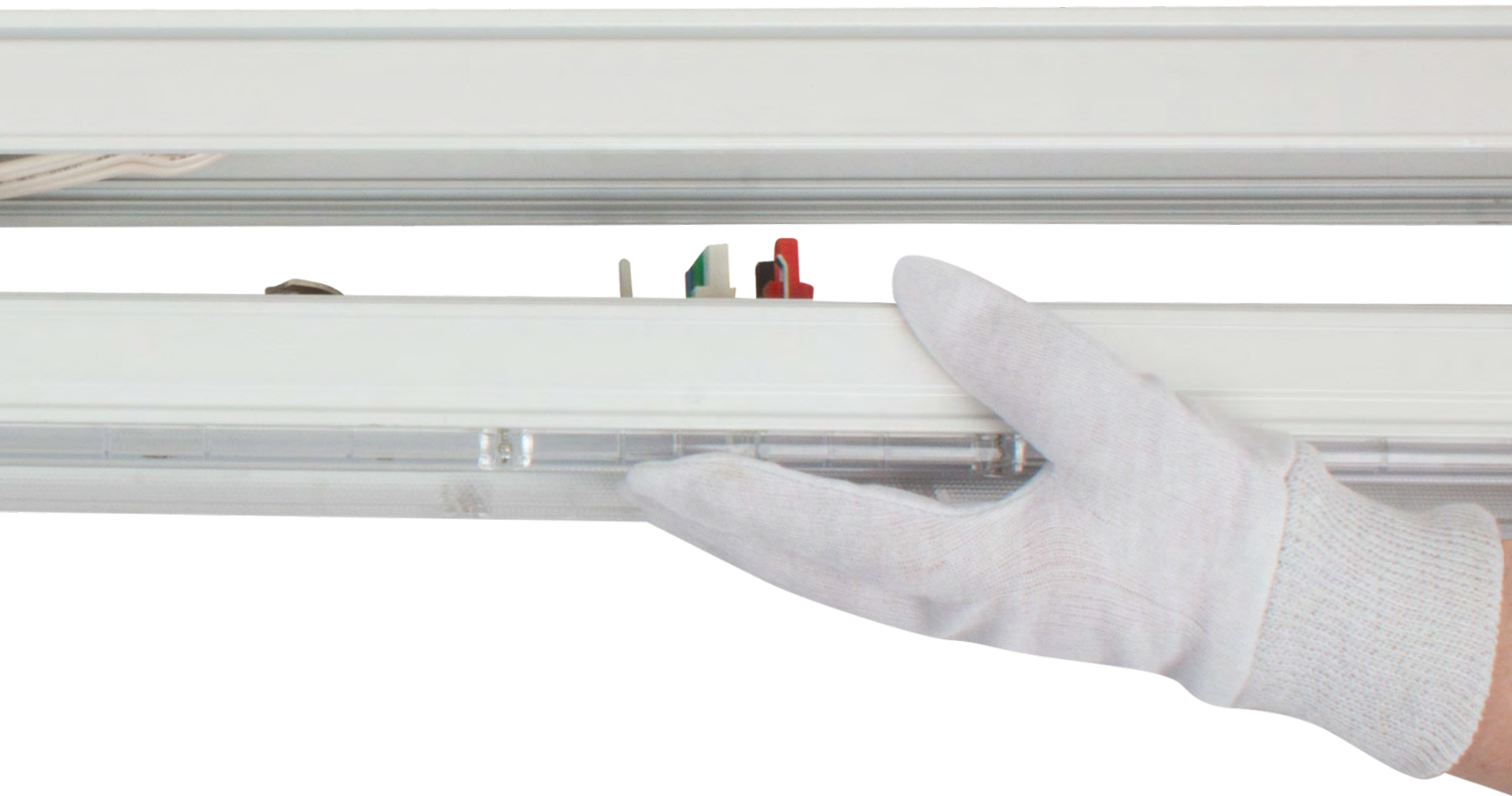
TERMINAL BLOCK

- + 11 pole terminal block

Order Code	Description
ILTB11	11 pole terminal block







Contact Us

Sales Centre

Tamlite Field Sales Centre,
Park Farm Industrial Estate,
Redditch, Worcestershire,
B98 0HU

T. +44 1527 517 777

E. sales@tamlite.co.uk

W. tamlite.co.uk