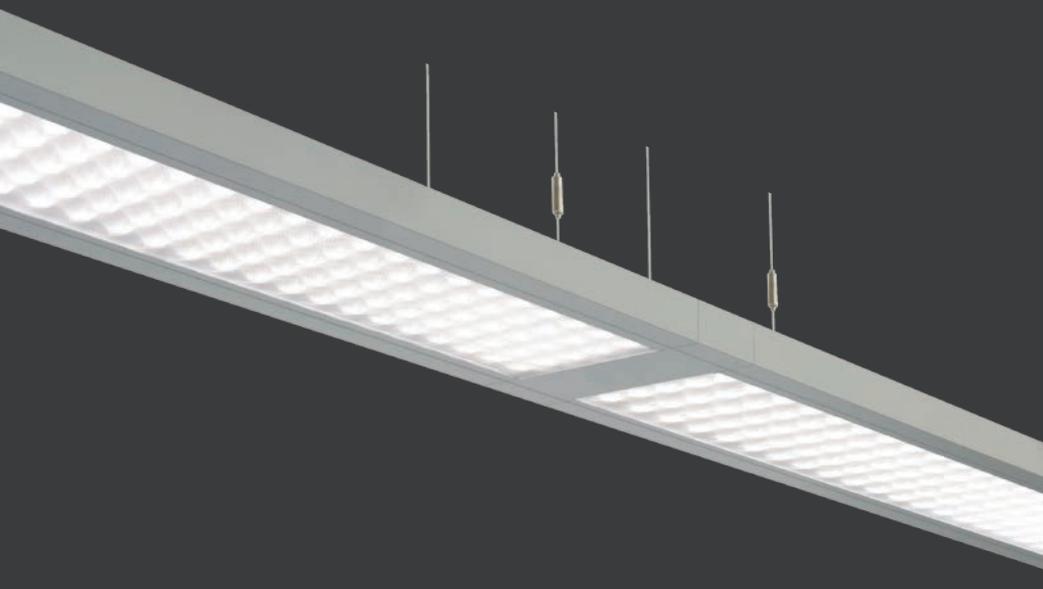


THORLUX LIGHT LINE INTEGRA LED



CONTINUOUS SUSPENDED DIRECT/
INDIRECT LED LUMINAIRE WITH
ANCILLARY CABLE CHANNEL



SPECIFICATION

- Extruded aluminium body and cable channel with die cast ends finished light textured silver (RAL 9006)
- Direct/indirect illumination
- Extruded polycarbonate microprism lens LG7:2015 (<math><3000\text{cd/m}^2 @ 65^\circ</math>)
- High efficiency satinised polycarbonate upright diffuser
- Continuously mounted using link kits
- Supplied fully assembled
- Supplied with easily adjustable wire suspensions and fitted plug and socket connections
- Fitted with 4000K LEDs

RANGE - Order luminaire type, end kit and link kits/infill sections as required

	NOMINAL SIZE (mm)	LED	CAT. No.	APPROX. kg	CIRCUIT
SMART	1500	24W	LL 17604D	9.7	
		31W	LL 16158D	9.7	
		42W	LL 16157D	9.7	
		49W	LL 16156D	9.7	
STANDARD	1500	24W	LL 17605	9.6	L/A
		31W	LL 16154	9.6	L/A
		42W	LL 16153	9.6	L/A
		49W	LL 16152	9.6	L/A

CIRCUIT TYPE - suffix catalogue number with:

L - non-dimming (LED) / **A** - dimming (DALI) e.g. **LL 17605L** etc.
Smart versions use digital dimming gear and are always suffixed **D**

EMERGENCY VERSION - prefix catalogue number with:

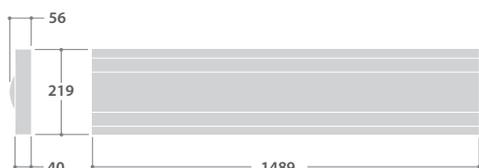
ELL - Emergency / **TLL** - AutoTest / **DLL** - Scanlight AT e.g. **ELL 17605L** etc.
Emergency, AutoTest and Scanlight AT versions add 0.3kg to weights listed.

ACCESSORIES

DESCRIPTION	CAT. No.	APPROX. kg
Link kit (see page 7)	LL 14329	0.4
End kit 2 ends per kit (see page 7)	LL 14330	1.6
Surface wiring tidy (see page 7)	LL 14331	0.4
Cable channel snap-in lid (2.4m)	LL 14366	0.2



DIMENSIONS



LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	67K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.9

LL/CW 123.4

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

INFORMATION

End to end continuous system consists of luminaires joined with a link kit and finished with an end kit.

CONTINUOUS LUMINAIRE COMPRISES:

Body assembly with one earth shielded cable channel on each side, fitted plug and socket connections, and microprism lens. Four single point wire suspensions supplied.

LINK KIT COMPRISES:

65mm link extrusion and fasteners.

END KIT COMPRISES:

Two aluminium ends and one 8-core supply cable with fitted plugs.

Acoustic attenuation wings must be ordered separately see page 5.

THORLUX LIGHT LINE INTEGRA T5

CONTINUOUS SUSPENDED DIRECT/INDIRECT T5 LUMINAIRE WITH ANCILLARY CABLE CHANNEL



SPECIFICATION

- Extruded aluminium body and cable channel with die cast ends finished light textured silver (RAL 9006)
- High performance LG7:2015 (<math><1500\text{cd}/\text{m}^2 @ 65^\circ</math>) optical system
- Direct/indirect illumination
- High efficiency satinised polycarbonate upright diffuser
- Continuously mounted using link kits
- Single and twin lamp versions in same body profile
- Supplied fully assembled
- Supplied with easily adjustable wire suspensions and fitted plug and socket connections
- Fitted with 4000K lamp(s)

INFORMATION

End to end continuous system consists of luminaires joined with a link kit and finished with an end kit.

CONTINUOUS LUMINAIRE COMPRISES:

Body assembly with one earth shielded cable channel on each side, fitted plug and socket connections, louvre and 4000K lamp(s). Four single point wire suspensions supplied.

LINK KIT COMPRISES:

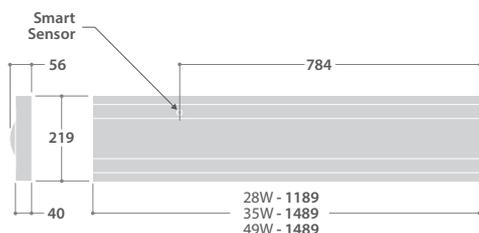
65mm link extrusion and fasteners.

END KIT COMPRISES:

Two aluminium ends and one 8-core supply cable with fitted plugs.

Acoustic attenuation wings must be ordered separately see [page 5](#).

DIMENSIONS



RANGE - Order luminaire type, end kit and link kits/infill sections as required

	NOMINAL SIZE (mm)	LAMP	CAT. No.	APPROX. kg	CIRCUIT
SMART	1200	1 x 28W T5	LL 14302D	5.6	
		2 x 28W T5	LL 14303D	5.7	
	1500	1 x 35W T5	LL 14304D	6.3	
		2 x 35W T5	LL 14305D	6.4	
		1 x 49W T5	LL 14306D	6.3	
		2 x 49W T5	LL 14307D	6.4	
STANDARD	1200	1 x 28W T5	LL 14290	5.5	J/D/T
		2 x 28W T5	LL 14291	5.6	J/D/T
	1500	1 x 35W T5	LL 14292	6.2	J/D/T
		2 x 35W T5	LL 14293	6.3	J/D/T
		1 x 49W T5	LL 14294	6.2	J/D/T
		2 x 49W T5	LL 14295	6.3	J/D/T

CIRCUIT TYPE - suffix catalogue number with:

J - non-dimming (HF fluorescent) / **D** - dimming (1-10V) / **T** - dimming (DSI) e.g. LL 14290J etc.

Smart versions use digital dimming gear and are always suffixed **D**

EMERGENCY VERSION - prefix catalogue number with:

ELL - Emergency / **TLL** - AutoTest e.g. ELL 14290J etc.

Emergency and AutoTest versions add 0.7kg to weights listed.

ACCESSORIES

DESCRIPTION	CAT. No.	APPROX. kg
Link kit (see page 7)	LL 14329	0.4
End kit 2 ends per kit (see page 7)	LL 14330	1.6
Surface wiring tidy (see page 7)	LL 14331	0.4
Cable channel snap-in lid (2.4m)	LL 14366	0.2





THORLUX LIGHT LINE INTEGRA LED & T5 INFILL SECTIONS

INFILL SECTIONS



SPECIFICATION

- Extruded aluminium finished light textured silver (RAL 9006)
- Sections supplied assembled for rapid installation using easily adjustable wire suspensions, and fitted plug and socket connections
- 8W LED Mina-S spotlight option (45° beam angle)
- Emergency LED option with Scanlight AT compatible communication (DALI)
- SmartScan Emergency version with integral Firefly for wireless reporting

INFORMATION

Continuous system consists of luminaires joined with an infill section (see table) or link kit (see page 8) and each run is finished with an end kit.

DALI emergency LED infill sections include a 3W LED Downlighter (area lens). Interconnecting wiring allows control and communication.

SmartScan emergency versions incorporate the Firefly (area lens) complete with the wireless communication benefits of SmartScan.



INFILL SECTION COMPRISES:

Appropriate length of extrusion, interconnecting wiring, cover lid and fasteners.

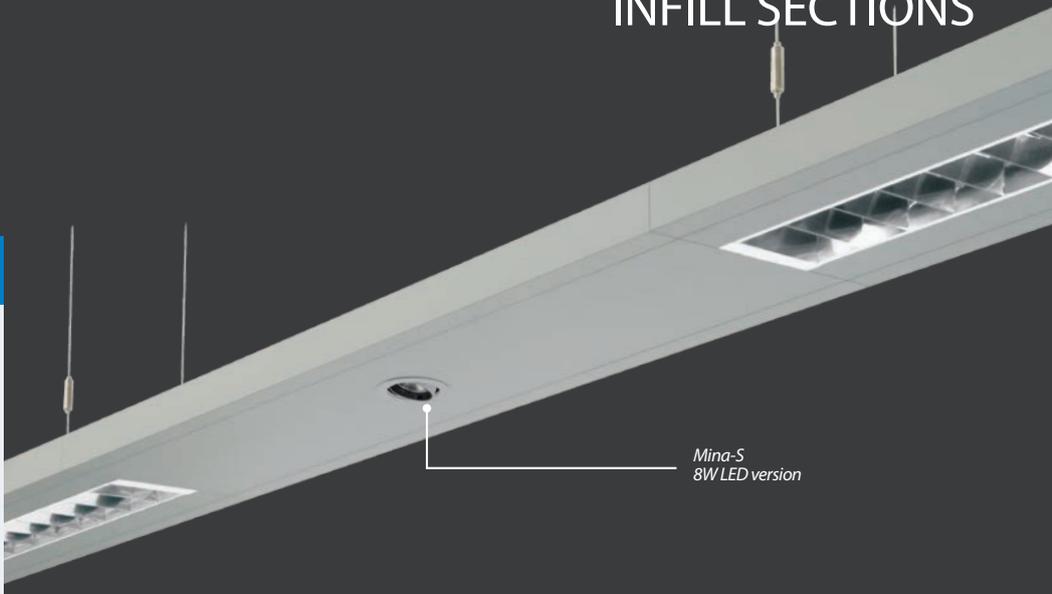
END KIT COMPRISES:

Two aluminium ends and one 8-core supply cable with fitted plugs.

WALL END KIT COMPRISES:

One galvatite bracket, one aluminium end assembly and supply connection plugs.

Acoustic attenuation wings must be ordered separately see page 5.



Mina-S 8W LED version

INFILL SECTIONS - Luminaire Range (see pages 1-2)

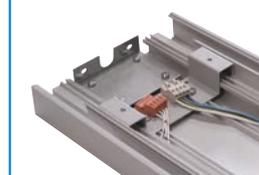
LENGTH (mm)	PLAIN	APPROX. kg	DALI EMERGENCY (AREA LENS)	SMARTSCAN EMERGENCY (AREA LENS)	APPROX. kg	MINA-S 8W LED ▲ (45° BEAM)	APPROX. kg
494	LL 14314	2.7					
797	LL 14315	3.0	DLL 14320	WLL 18296	3.6		
970	LL 14316	3.8	DLL 14321	WLL 18297	4.4		
1189	LL 14317	4.6	DLL 14322	WLL 18298	5.2		
1489	LL 14318	5.6	DLL 14323	WLL 18299	6.2	LL 17694	6.0

▲ Cannot be switched independently from adjacent luminaires. Externally fitted and wired switch required even on Smart versions

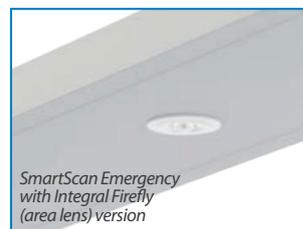
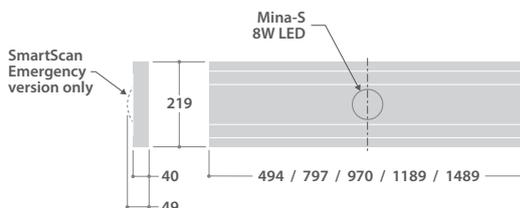
ACCESSORIES

DESCRIPTION	CAT. No.	APPROX. kg
End kit 2 ends per kit (see page 7)	LL 14330	1.6
Wall end kit wall bracket to fit infill only	LL 14333	1.3
Surface wiring tidy (see page 7)	LL 14331	0.4
Cable channel snap-in lid (2.4m)	LL 14366	0.2

Wall end kit bracket



DIMENSIONS



SmartScan Emergency with Integral Firefly (area lens) version



Learn more about SmartScan at:
www.thorlux.com/smartsan

THORLUX LIGHT LINE INTEGRA AC

Audio clarity is essential for effective listening. To meet the needs of resonant environments wings containing flame retardant acoustic foam can be added to the Thorlux Light Line Integra to provide necessary acoustic attenuation.

The acoustic performance of the Thorlux Light Line Integra has been independently tested at Sound Research Laboratories. Acoustic performance is measured as the rate of reverberation decay over a specific period; the faster sound decays, the lower the reverberation time and the better the acoustic properties of the space. More detailed performance data for the Thorlux Light Line Integra is available upon request from our Technical Department.



THORLUX LIGHT LINE INTEGRA AC



ACOUSTIC ATTENUATION WING KITS

SPECIFICATION

- Perforated steel finished light textured silver (RAL 9006)
- Flame retardant acoustic foam

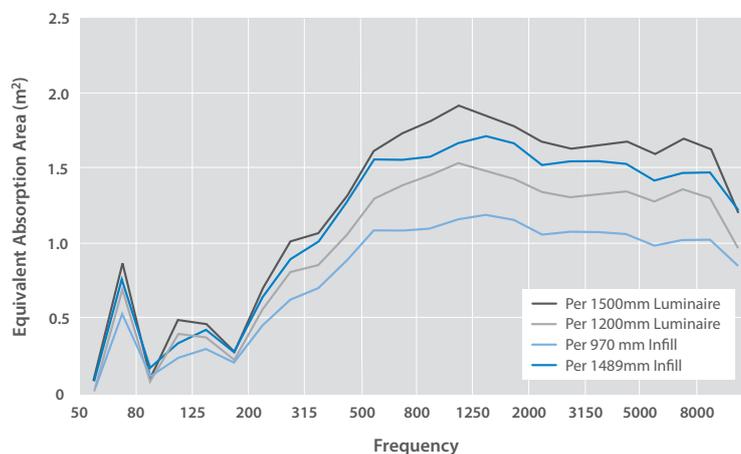
INFORMATION

Attenuating side wings are supplied separately for safe storage until "final fix".

ACOUSTIC ATTENUATION WING KIT COMPRISES:

Pair of wings filled with flame retardant acoustic foam.

ACOUSTIC ABSORPTION PERFORMANCE



RANGE

DESCRIPTION	CAT. No.	APPROX. kg
To fit luminaires		
1189mm Luminaire wing kit	LL 14343	2.3
1489mm Luminaire wing kit	LL 14344	2.9
To fit infill sections		
494mm Infill wing kit	LL 14334	1.2
797mm Infill wing kit	LL 14335	1.9
970mm Infill wing kit	LL 14336	2.3
1189mm Infill wing kit	LL 14337	2.8
1489mm Infill wing kit	LL 14338	3.5

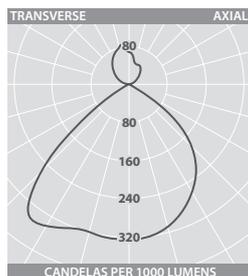
ACCESSORY

DESCRIPTION	CAT. No.	APPROX. kg
Wing end kit <i>one kit required per row</i>	LL 14339	0.6

NOTE: Acoustic attenuation wings are only suitable for use with systems using infill sections

THORLUX LIGHT LINE INTEGRA

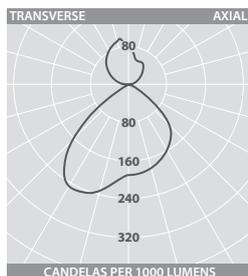
PHOTOMETRIC GUIDE



1 x 28W

D.L.O.R. 74% / U.L.O.R. 20%

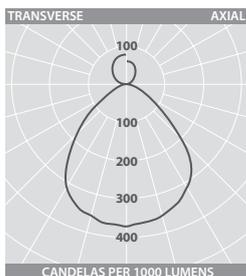
FACTOR:
1 x 35W = 0.95
1 x 49W = 0.87



2 x 28W

D.L.O.R. 50% / U.L.O.R. 27%

FACTOR:
2 x 35W = 1.00
2 x 49W = 0.99

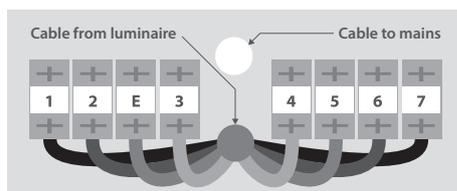


LED

LUMINAIRE LUMEN OUTPUT

24W = 3580lm
31W = 4520lm
42W = 5775lm
49W = 6560lm

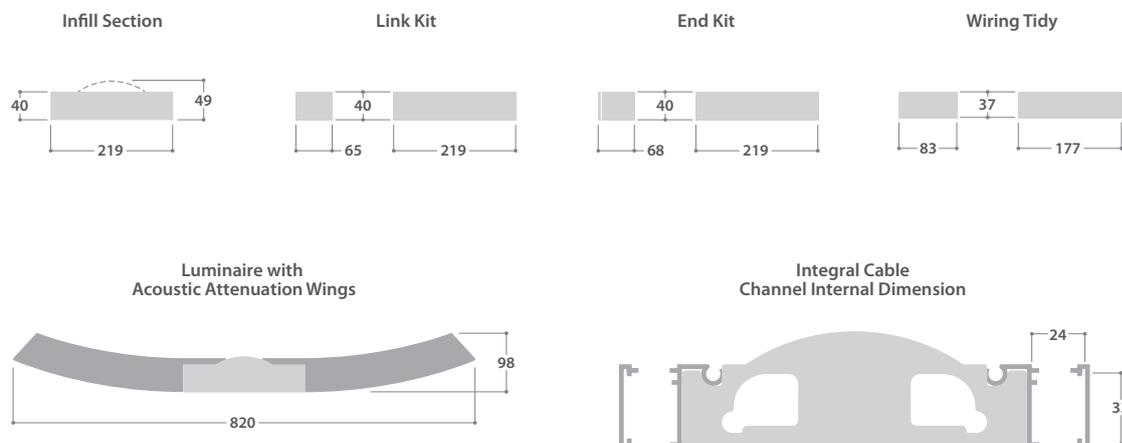
SURFACE WIRING TIDY



- 1 = Switched live*
- 2 = Neutral
- E = Earth
- 3 = Un-switched live
- 4 = 1-10V or Motionline
- 5 = 1-10V or Motionline
- 6 = Scanlight AT DALI
- 7 = Scanlight AT DALI

*Switches main luminaires and infills fitted with Mina-S 8W

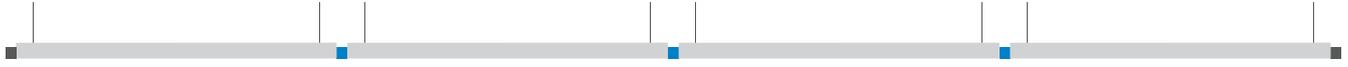
DIMENSIONS



THORLUX LIGHT LINE INTEGRA

TYPICAL SUSPENSION OPTIONS

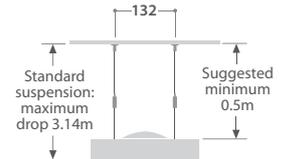
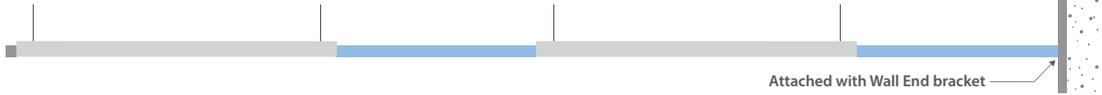
Luminaires End to End *NOTE: Acoustic attenuation wings are only suitable for use with systems using infill sections*



Luminaires and Infill Sections



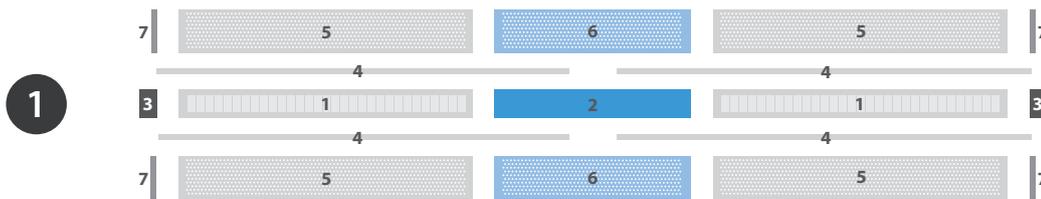
Infill Section to End Wall



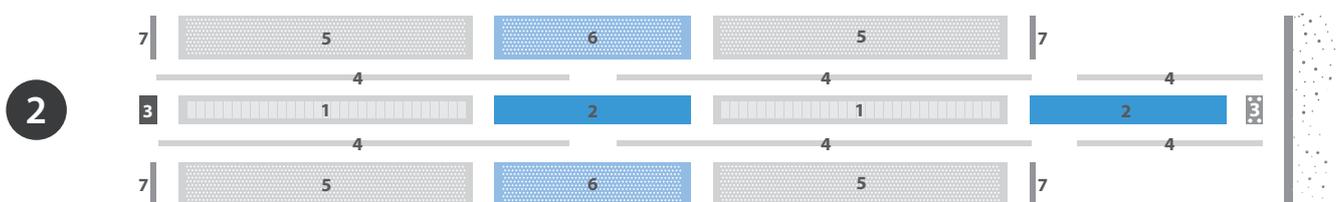
Continuous Luminaires
 End Kit - 2 ends per kit
 Link Kit
 Infill Section
 Wall End Kit

ORDERING EXAMPLES

Free Mounting



Wall Mounting



FREE MOUNTING

1

DESCRIPTION	CAT. No.	QUANTITY
Required Components		
1 2 x 35W Thorlux Light Line Integra	LL 14293	2
2 970mm Plain infill	LL 14316	1
3 End kit 2 ends per kit	LL 14330	1
4 Cable channel snap-in lid 2.4m	LL 14366	4
Optional Acoustic Wings		
5 1489mm Luminaire wing kit	LL 14344	2
6 970mm Infill wing kit	LL 14336	1
7 Wing end kit one kit required per row	LL 14339	1

WALL MOUNTING

2

DESCRIPTION	CAT. No.	QUANTITY
Required Components		
1 2 x 35W Thorlux Light Line Integra	LL 14293	2
2 970mm Plain infill	LL 14316	2
3 Wall end kit wall bracket to fit infill only	LL 14333	1
4 Cable channel snap-in lid 2.4m	LL 14366	5
Optional Acoustic Wings		
5 1489mm Luminaire wing kit	LL 14344	2
6 970mm Infill wing kit	LL 14336	1
7 Wing end kit one kit required per row	LL 14339	1