

# THORN LIGHTING



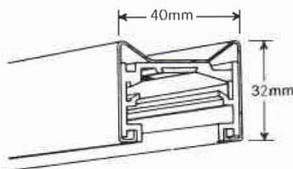
COMPREHENSIVE CATALOGUE 1975/76

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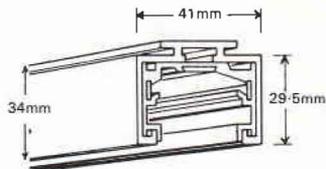
# Trakline

Trakline is a system based on a PVC extrusion containing two copper conductors and an earth strip. This assembly is housed in a variety of metal sections to suit the specific application. A whole range of components is available, including a mains connector which will supply any length of track up to a loading of 30 amps (16 amps for TKS).



TKS Trakline

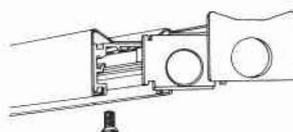
TK Track in a white painted rolled steel section



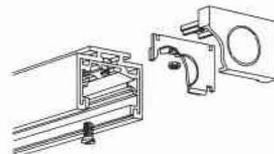
TKN Trakline

TK Track in an anodized aluminium extrusion

Both systems are available in three lengths, complete with metal end caps (and safety screen plastic caps) with knock-out cable entry holes.



The concave upper surface can accommodate irregularities in ceiling

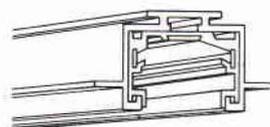


This section can be surface mounted or suspended

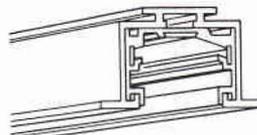
The PVC trakline assembly TK4500 can also be housed in four trunking systems, all 4.5 metre length only. Further details of these systems are given in the section on trunking.

## Current rating

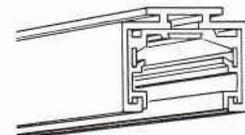
Trakline System	Rated Current
TKN	30A
Trakline in LTN, LTF, LTR	30A
TKS	16A
Trakline in AL 4500	16A



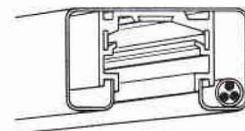
LTR 4500 lightweight trunking, extruded aluminium 4.5m long, to take TK 4500 track. Side flanged to accept concealed fix ceiling tiles.



LTF 4500 lightweight trunking, extruded aluminium 4.5m long, to take TK 4500 track. Flanged for recessing with lay-in tiles



LTN 4500 lightweight trunking, extruded aluminium 4.5m long, to take TK 4500 track. For surface mounting or conduit suspension.



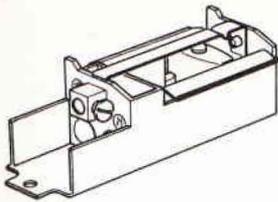
AL 4500 Liteline trunking. Grey painted cold rolled steel, 4.5m long, to take TK 4500 track. Can be suspended, fixed flush or incorporated into a suspended ceiling provided. Facilities for continuous unobstructed runways for cable.

## RANGE

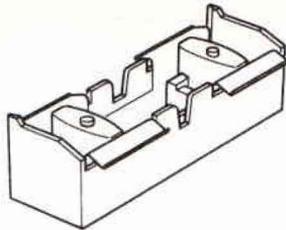
Catalogue no.	Description	Weight kg
TKS 1200	1.2 metre length Trakline c/w end caps; white painted steel	1.3
TKS 2400	2.4 metre length Trakline c/w end caps; white painted steel	2.4
TKS 3600	3.6 metre length Trakline c/w end caps; white painted steel	3.7
TKN 1200	1.2 metre length Trakline c/w end caps; anodized aluminium	1.6
TKN 2400	2.4 metre length Trakline c/w end caps; anodized aluminium	2.9
TKN 3600	3.6 metre length Trakline c/w end caps; anodized aluminium	4.3
TK 4500	4.5 metre length PVC track assembly only; c/w plastic end caps	2.4
LTR 4500	4.5 metre length flanged trunking section; anodized aluminium	3.63
LTF 4500	4.5 metre length flanged trunking section; anodized aluminium	3.63
LTN 4500	4.5 metre length trunking section; anodized aluminium	3.175
AL 4500	4.5 metre length trunking section; grey painted steel	6.3

Note: All these sections can be cut to length on site in accordance with instruction booklet TK113.

# Trakline components



TK 1021 Mains connector  
R right handed L left handed



TK 1031 Track coupler used in conjunction with TK 106 for TKN, LTN, LTF and LTR systems or with TK 127 for TKS, for continuous mounting in straight lengths

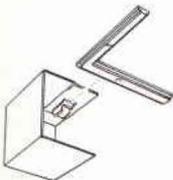


TK 106 Mechanical coupler.

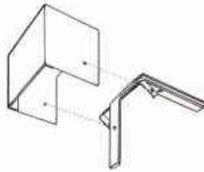


TK 127 Earth continuing strip.

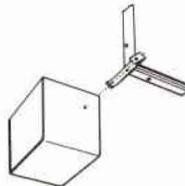
## Elbows for TKN/LTN track.



TK 107 Horizontal elbow assembly



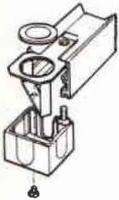
TK 108 Vertical internal elbow assembly



TK 109 Vertical external elbow assembly

To achieve a 90 degree joint the appropriate assembly is used plus two TK 1021 connectors, both positioned at the ends of adjoining track; looped together with 30 amp cable

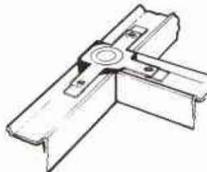
## Wiring boxes for surface-mounted TKS and TKN track.



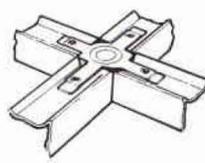
TK 121 End wiring box



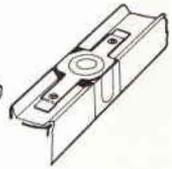
TK 122 Top entry 2 way 90 degree wiring boxes



TK 123 Top entry 3 way 'T' wiring box



TK 124 Top entry 4 way 'X' wiring box



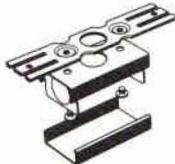
TK 126 Top entry 2 way in-line wiring box

Electrical connection is made by the appropriate number of TK1021 connectors each the same way as TK107, 108 and 109 elbows. A steel hoop gives rigidity and plastic covers have knockouts.



TK 115 End wiring box for TKN or LTN

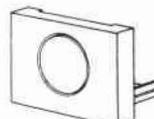
TK 117: Similar to above for LTR



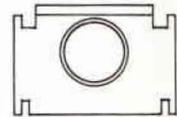
TK 116 Top entry wiring box for TKN or LTN continuous runs  
TK 118: Similar to above for LTR



TK 128 Spare metal end caps for TKS



LTN 4507 Spare metal end caps for TKN

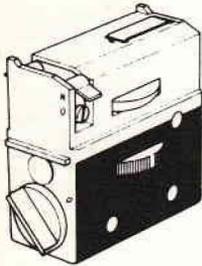


TK 1201 Plastic end plate

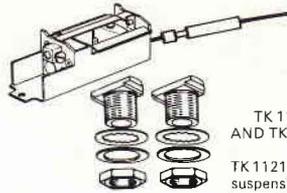


TK 111 Plastic clip-on cover, 390mm long

# Trakline suspensions and parts list

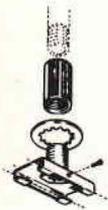


TK 1051 Fittings adaptor box fitted with replaceable 5 amp fuse. GT 1356 White. Also available (Black) pre-wired on to fittings The installed box protrudes 40mm from the track



TK 1121 AND TK 1121F

TK 1121 Fluorescent fittings suspension set; TK 1121F has cut lead fuse (illustrated) Support bolts threaded for 20mm conduit.



LTN 4502 Suspension bolt assembly for TKN, LTF and LTR trunking. Sockets threaded for 20mm conduit.



LTN 4509 Suspension assembly for LTN, LTF and LTR trunking. Designed to butt onto 6.35mm suspension rods

## Parts List

Catalogue no.	Description
TK 106	Straight mechanical coupler (TKN, LTN, LTF and LTR)
TK 107	Horizontal Elbow assembly (TKN, or LTN with TK)
TK 108	Vertical internal Elbow assembly (TKN or LTN with TK)
TK 109	Vertical external Elbow assembly (TLN or LTN with TK)
TK 111	Clip-on cover
TK 113	Installation instruction booklet
TK 115	End wiring box assembly (TKN or LTN with TK)
TK 116	Top entry wiring box (TKN or LTN with TK; Continuous runs)
TK 121	End wiring box assembly (TKN or TKS, Surface mounted)
TK 122	Top entry wiring box, 2-way 90° (TKN or TKS, Surface mounted)
TK 123	Top entry wiring box, 3-way 'T' (TKN or TKS, Surface mounted)
TK 124	Top entry wiring box, 4-way 'X' (TKN or TKS, Surface mounted)
TK 126	Top entry wiring box, 2-way in-line (TKN or TKS, Surface mounted)
TK 127	Earth continuing strip (TKS)
TK 128	Spare end caps (TKS)
TK 1021L	Mains connector, left handed (for all TK sections)
TK 1021R	Mains connectors, right handed (for all TK sections)
TK 1031	Track coupler (for all TK sections)
TK 1051	Fittings adaptor box, white (for all TK sections)
TK 1121	Fluorescent fittings suspension set (for all sections)
TK 1121F	Fluorescent fittings suspension set with cut-lead fuse (for all sections) c/w 3 amp fuse to BS1362 (G.T1299)
TK 1171	End wiring box assembly (LTR with TK)
TK 1181	Top entry wiring box assembly (LTR with TK, continuous runs)
TK 1201	Spare end caps plastic
LTN 4502	Suspension bolt assembly (TKN, LTF and LTR)
LTN 4509	Suspension assembly (LTN, LTF and LTR)
LTN 4507	Spare end caps (TKN)
GT 1356	Replacement 5A fuse for TK 1051 adaptor box
GT 1299	Replacement 3A fuse for TK1121F suspension set

Multi-trak is a lighting track system, consisting of three copper conductors (I, II and III), together with a neutral (N) and earth ( $\oplus$ ) supported by a brushed anodised aluminium extrusion and with the conductors and neutral suitably insulated with a PVC extrusion (shown shaded).

The system is designed to cater for the following maximum loadings:  
 (a) 3 phase—15 amps per phase.  
 (b) 3 circuit—10 amps per circuit.

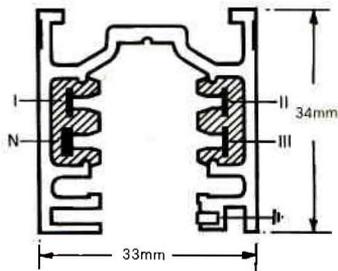
Generally, the system will be used as three separate single phase circuits and in that form the capacity is 2400 watts per circuit and 7200 watts in total.

For simple in-line installations, a line end and dead end are available as well as a module complying coupler and short non module coupler.

For more complicated installations "L", "T" and "X" junction pieces are available. Although the track section can be drilled and screwed directly to a ceiling, four other suspension methods are available:

1. Mounting clips
2. Wire suspension (ceiling).
3. Conduit suspension (ceiling).
4. Surface suspension (1 metre drop).

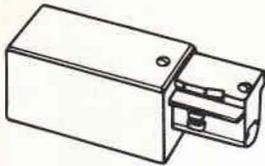
Other accessories include supports for slotted tiles, outlet box cover and display hooks.



## RANGE

Catalogue no.	Description		Weight kg
TK 7840	1.1 metre length Multi-trak	When standard lengths are used the conductors and neutral are factory trimmed to be 8mm clear of the end of the insulation, but where standard lengths are cut special pliers (TK 7899) are available for cutting back the conductors and neutral in situ.	1.1
TK 7841	2.3 metre length Multi-trak		2.3
TK 7842	3.5 metre length Multi-trak		3.5
Catalogue no.	Description	Catalogue no.	Description
TK 7880	Support for concealed fix tiles	TK 7927	Display hook
TK 7881	Mounting clips	TK 7977	Line end
TK 7883	Support	TK 7980	Line end
TK 7884	Pendant mounting set	TK 7981	Dead end
TK 7885	End mounting unit	TK 7982	Coupler
TK 7886	Straight connector mounting unit	TK 7983	"L" connector (earth inside "L")
TK 7887	"L" connector mounting unit	TK 7984	"L" connector (earth outside "L")
TK 7888	"T" connector mounting unit	TK 7985	"T" connector (earth outside "T" top)
TK 7889	"X" connector mounting unit	TK 7986	"T" connector (earth inside "T" top)
TK 7891	Outlet box cover	TK 7987	"X" connector
TK 7899	Special pliers	TK 7988	Short coupler (non modular)
TK 7906	Adaptor Suspension (unfused)		
		GT 1356	Replacement 5 amp fuse (for TK 7909—now replaced by TK 7906)

# Multi-trak components



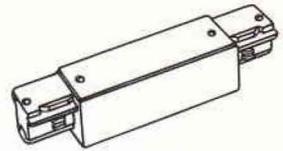
TK 7980 } Live ends  
TK 7977 }

For connecting supply to an in-line track installation, access is either through the end or back. Track is asymmetric with earth left or right when viewed from the end. Looking at track open end down TK 7977 has earth to the left with TK 7980 earth to the right.



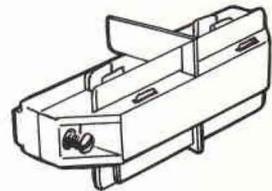
TK 7981  
Dead end

TK 7981  
Used as a finishing trim to track end.



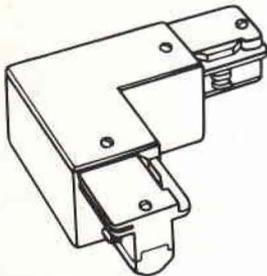
TK 7982  
Coupler

TK 7982  
Used to connect two lengths of track, whilst maintaining module length. It also provides facilities for incoming mains supply.



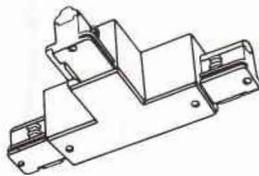
TK 7988  
Short coupler

This non-modular coupler is used to connect two lengths of track.



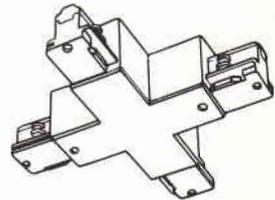
TK 7983 } L-connector  
TK 7984 }

Right angled connector for two lengths of track, it also provides facilities for incoming mains supply.  
TK 7983 : EARTH *INSIDE* 'L'  
TK 7984 : EARTH *OUTSIDE* 'L'



TK 7985 } T-connector  
TK 7986 }

'T' connector for track, with incoming supply facilities.  
TK 7985 : EARTH *OUTSIDE* 'T' Top  
TK 7986 : EARTH *INSIDE* 'T' Top



TK 7987  
X-connector

'X' connector for track lengths, also providing incoming mains supply facility.

Couplers and Junction pieces. All components in this group are made in grey glass loaded nylon and require no wiring when used for connecting lengths of track. Access for incoming supply, where provided, is obtained by removing 2 fixing screws and cover.

# Multi-trak suspensions

## Decorative Drop Suspensions

TK 7884 Pendant mounting set  
TK 7885 End mounting unit

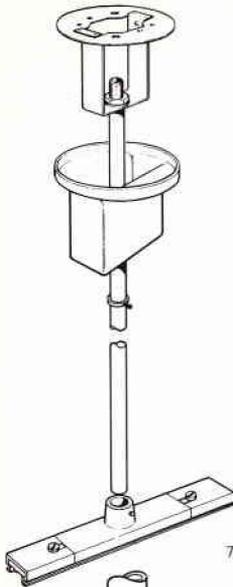
TK 7886 Straight connector mounting unit

TK 7887 'L' connector mounting unit

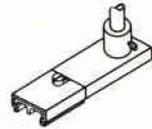
TK 7888 'T' connector mounting unit

TK 7889 'X' connector mounting unit

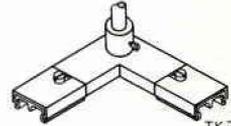
The support pieces slide into the flanges in the top of the track section and are then locked and screwed into the mounting unit. When a connector is used as a supply input the cables are taken through the stem; the total length of the drop is 1 metre. The ceiling end of the mounting consists of a grey plastic cover, over a metal bracket which has box fixing. The stem is painted grey metal. While Multi-trak can be drilled and screwed direct to the surface TK 7881 mounting clips provide means of fixing to less level surfaces.



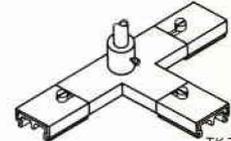
TK 7886



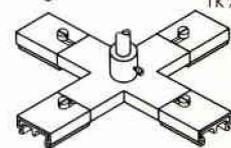
TK 7885



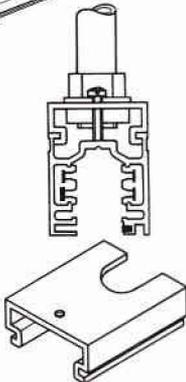
TK 7887



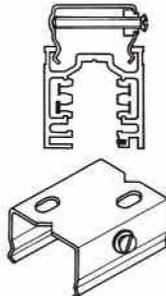
TK 7888



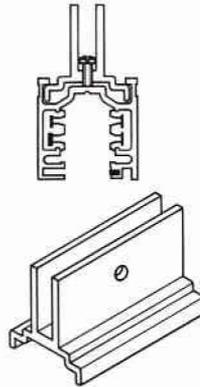
TK 7889



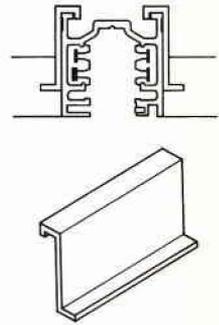
TK 7884



TK 7881 Mounting clip: Spring steel zinc plated bracket



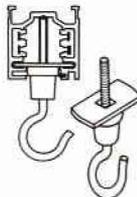
TK 7883 Recessed mounting support for track suspended with a normal wire suspension; anodized aluminium



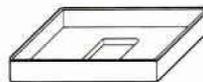
TK 7880 Support for concealed fix ceiling tiles, anodized aluminium; 100mm long



TK 7906 Adaptor for pendant cable suspensions. Also available prewired on many fittings

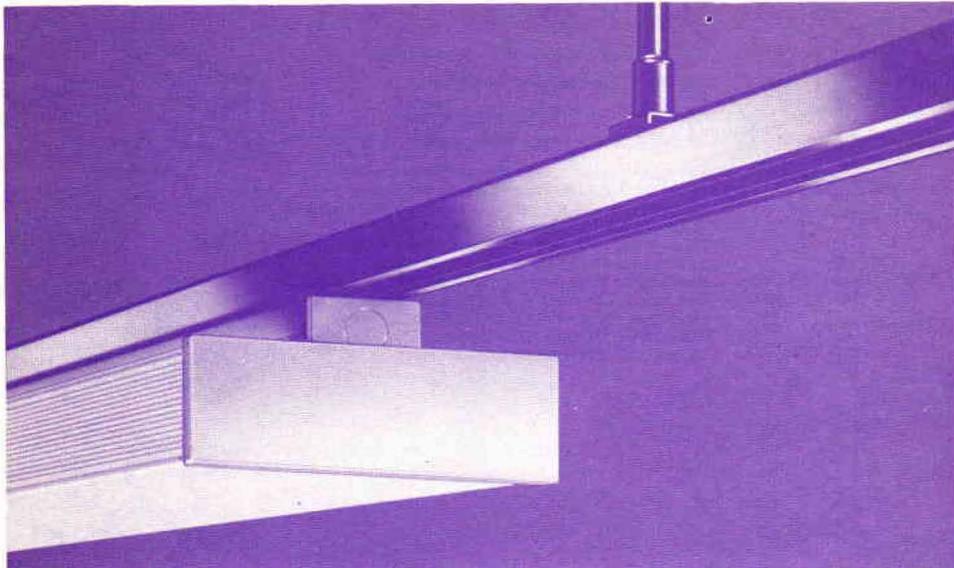


TK 7927 Galvanised steel display hook for a max. load of 10kg



TK 7891 Grey reinforced plastic cover for outlet boxes when track is mounted with TK 7881.

# Lightweight trunking



This ultra-slim section of aluminium trunking is particularly suitable for office, store and display lighting applications where more industrial forms are too bulky and may present an unsatisfactory appearance.

Three types of trunking section are available – one for surface mounting or conduit suspension and two other types for recessing into suspended ceilings. (See illustrations on next page).

The trunking suspension assembly is used to connect the trunking section to the 19mm/3/4in conduit down-drop.

Suspension of trunking by means of chains is not normally recommended.

The fitting is connected to the trunking section by means of the fittings suspension assembly. By this means extreme flexibility of suspension centres for the trunking and spacing of the fittings along the trunking is achieved.

The coupling piece to join the lengths of trunking together is fitted internally and is locked with set-screws without drilling the trunking.

A four-way coupling (Catalogue no. LTN 4510) enables continuous runs of Trakline to be used. (See perspective view on next page).

A PVC cover closes the open mouth of the trunking between fittings and a black finished end plate closes the end of the

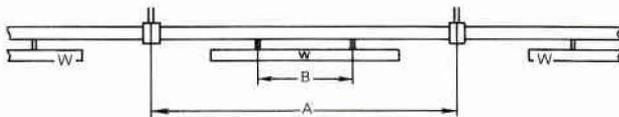
trunking. This end plate incorporates a knock-out to receive conduit which is used to feed into the trunking and make bends, or clear obstacles, etc. between the trunking runs.

Through-wiring cables are retained in the trunking by fibre support-pieces.

The trunking should not be exposed to 'wet site' conditions but stored in a dry area.

**Maximum recommended trunking suspension centres 2.44m/8ft**

**NOTE:** A gap of at least 6.35mm/0.25in must be left between trunking lengths during installation to allow for expansion.



## Deflections for lightweight trunking

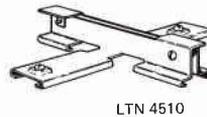
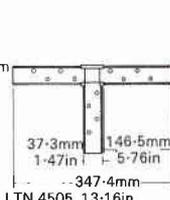
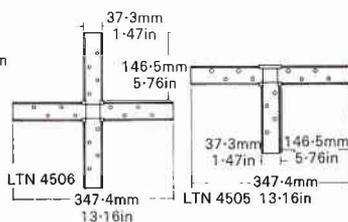
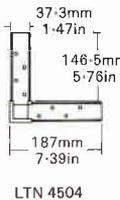
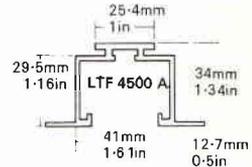
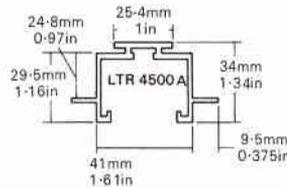
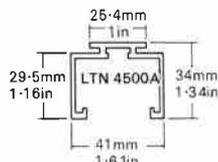
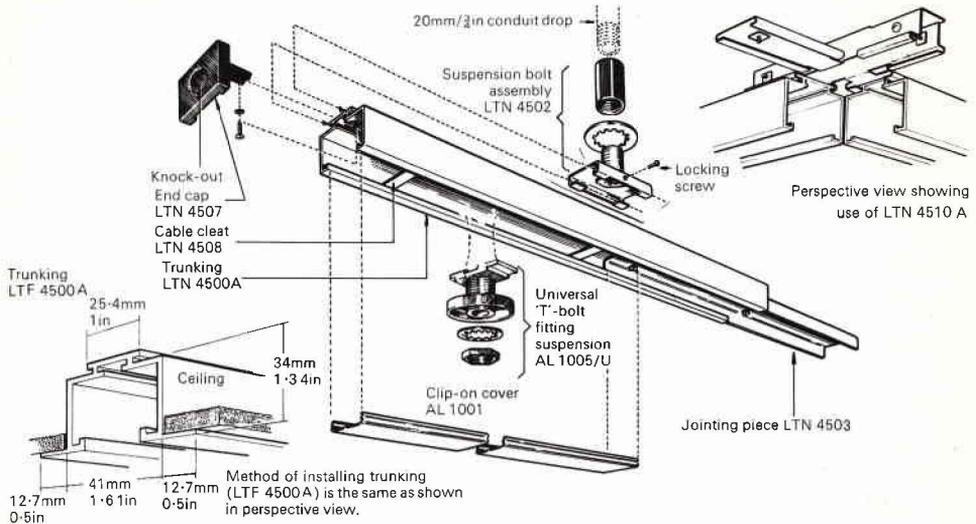
A	B	Weight W	Deflection
2.44m	0.61m	9kg	5.7mm
8ft	24in	20lb	0.225in
2.44m	1.22m	13.6kg	5.7mm
8ft	48in	30lb	0.225in

The above deflections were measured using maximum weight Popular Pack fittings. These figures assume that all loads are counter-balanced and the final trunking span will be

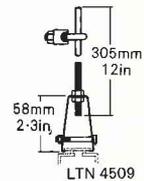
adequately supported at the termination point. It is important when designing trunking installations to ensure that the deflection between spans does not exceed 1/300th of the total span.

For example, an installation requires trunking to be suspended at 2.44m/8ft spans. Therefore maximum deflection =  $\frac{2440}{300} = 8.1\text{mm}/0.32\text{in}$ .

# Lightweight trunking



LTN 4510



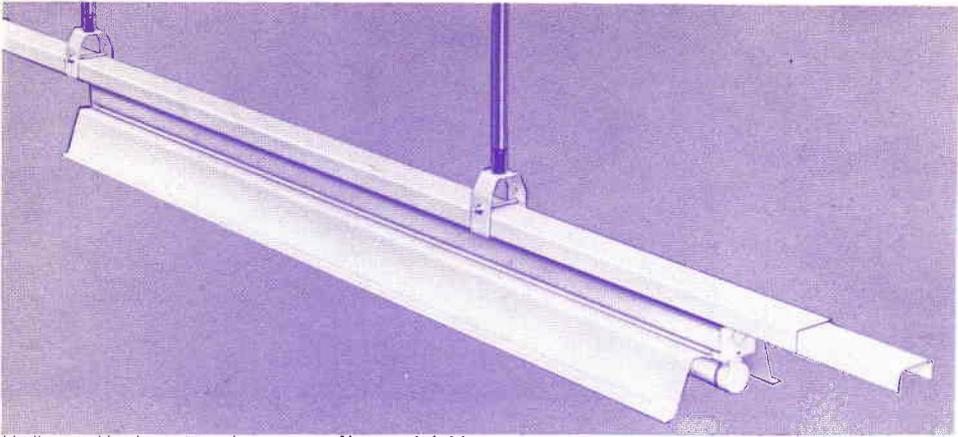
LTN 4509

## Components table

Catalogue no.	Description	Weight	
		kg	lb
LTN 4500A	4.5 metre length trunking	3.175	7
LTR 4500A	4.5 metre length trunking for recessing	3.63	8
LTF 4500A	4.5 metre length trunking for recessing	3.63	8
AL 1005/U	Universal 'T'-bolt fitting suspension	0.09	0.19
LTN 4502	Trunking hanger assembly	0.085	0.19
LTN 4503	Jointing piece	0.34	0.75
LTN 4504	Two-way coupling	0.23	0.5
LTN 4505	Three-way coupling	0.28	0.61
LTN 4506	Four-way coupling	0.51	1.125
LTN 4507	End cap	0.028	0.063
LTN 4508	Cable cleats	0.014 (Pack of 10)	0.031
LTN 4509	New adjustable suspension	0.17	0.375
LTN 4510*	Four-way coupling	0.17	0.375
AL 1001	1.8 metre PVC cover (also used with Liteline trunking)	0.17	0.375

\*Enables continuous runs of Trakline to be used with new lightweight trunking

# Liteline trunking



Liteline trunking is a universal system for carrying overhead lighting, electric fittings or cables for industrial and commercial buildings. Liteline trunking can either be suspended, fixed flush to a ceiling or, by means of the top hat section, incorporated into a suspended ceiling. Having a cross section of only  $66 \times 32\text{mm}/2.625 \times 1.25\text{in}$ , it is available in  $4.5\text{m}/14.75\text{ft}$  lengths of 18 gauge cold rolled steel. The paint surface is a single dip coat finish and is light grey in colour to BS.2660.9-094. In certain circumstances it may be necessary to apply a final finishing coat for increased durability. Simple jointing by slide-in straight coupling piece secured by eight screws ensuring earth continuity, and removable clip-in PVC cover fillets enable easy installation. The fittings and accessories have been designed to allow continuous unobstructed runways for the cables.

**Maximum recommended suspension centres 3.35m/11ft**

## Neat and rigid

The trunking is small and compact in design and suitable for surface mounting installations. The design of the channel section ensures maximum rigidity and weight carrying capacity over unsupported spans up to  $3.35\text{m}/11\text{ft}$ .

## Easy to wire

When trunking is erected, there are no obstructions whatever and, therefore, cable can be fed into the trunking with ease. Up to two lighting fittings can be supplied from any point by fitting a Parablock connector.

## Flexible

The numerous junction pieces enable horizontal diversions of  $90^\circ$  to be made from the main trunking run.

## Finish

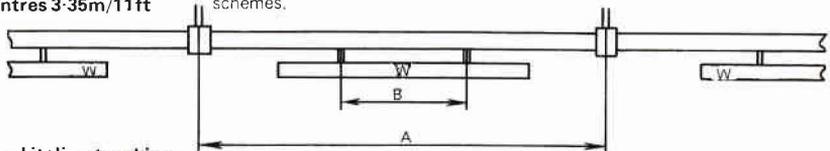
The BS.2660.9-094 light grey colour is attractive yet unobtrusive and is therefore ideal for commercial office schemes.

## Simple installation

Simple jointing by slide-in straight coupling piece secured by eight screws ensuring earth continuity. Easily removable clip-in PVC cover fillet. 'Clip-over' suspension stirrup suitable for chain or conduit. Universal girder clamps for RSJ mounting.

## Versatile

Any type of fitting with  $19\text{mm}/\frac{3}{4}\text{in}$  conduit hole fixing can be suspended from any point by means of a special 'T' bolt assembly, which also facilitates alterations to lighting layouts. Fittings with larger conduit fixings can be mounted by means of a suitable reducer. A top hat section can be supplied where it is required to fit a flush mounted suspended ceiling.



## Deflections for Liteline trunking

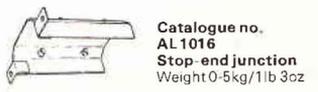
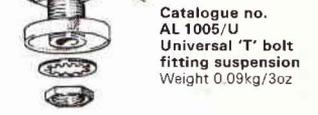
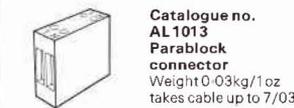
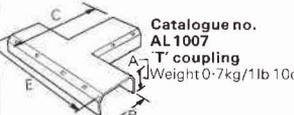
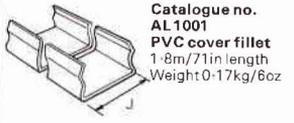
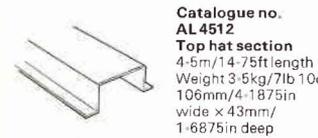
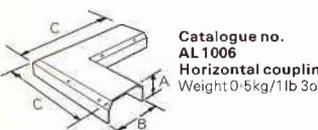
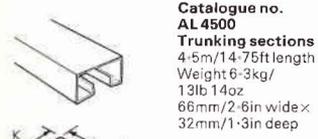
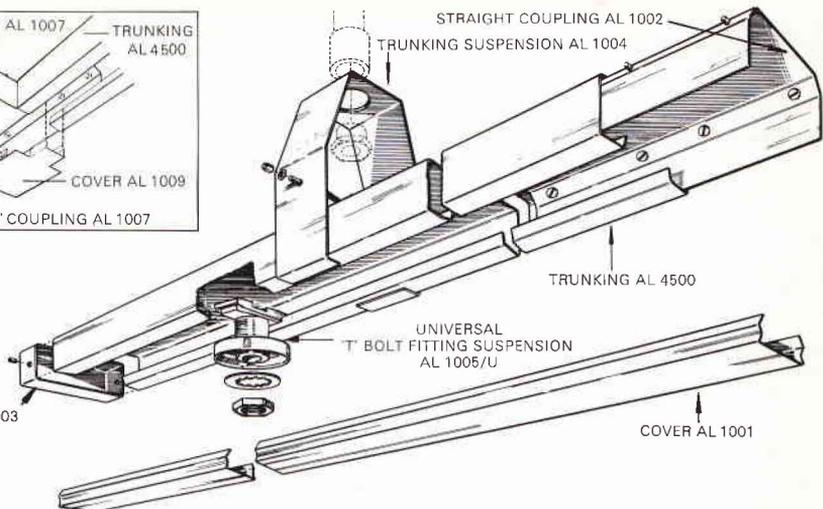
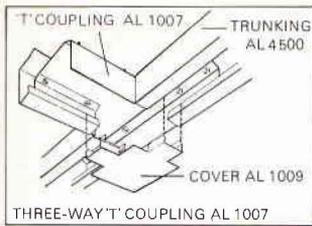
A	B	Weight W	Deflection
3.35m/11ft	0.61m/24in	18kg/40lb	6.35mm/0.25in
A	B	Weight W	Deflection
3.35m/11ft	1.22m/48in	25kg/55lb	5.1mm/0.20in

The above deflections were measured using Atlantic 4 fittings (Catalogue no. A4B/4685) at  $0.61\text{m}/24\text{in}$  suspension centres and A4Z/T4885 at  $1.22\text{m}/48\text{in}$  centres and suspended as detailed above.

These figures assume that all loads are counter-balanced and the final trunking span will be adequately supported at the termination point. It is important when designing trunking installations to ensure that the deflection between spans does

not exceed  $1/300\text{th}$  of the total span. For example, an installation requires trunking to be suspended at  $3.35\text{m}/11\text{ft}$  spans. Therefore maximum deflection

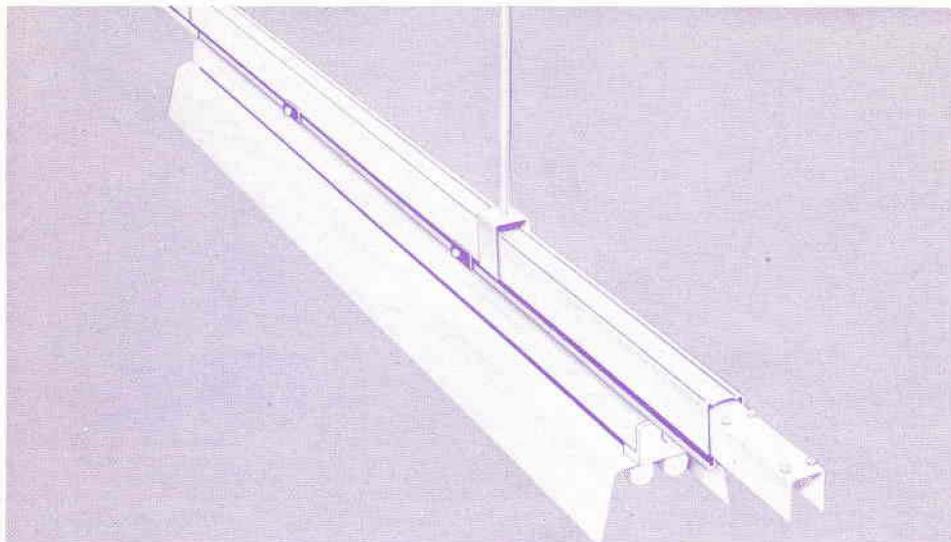
$$= \frac{3350}{300} = 11.2\text{mm}/0.44\text{in}.$$



KEY

A = 1 3/8"	G = 1 3/8"
B = 2 1/2"	H = 3 3/8"
C = 7 1/2"	J = 1 1/2"
D = 9"	K = 1 3/8" INTERNAL
E = 12"	L = 2 3/8" INTERNAL
F = 1 1/2"	

# Atlantic trunking



The Atlantic trunking system is adapted to receive lighting fittings on its underside, and provides structural support for the fittings with adequate through-wiring capacity. The system reduces installation time to the minimum.

The close-top trunking is suspended by saddle brackets attached to down-drops from the ceiling or roof structure, and joint pieces hold the sections rigidly in line and provide earth continuity. The suspension of trunking by means of chains is not normally recommended. Close ceiling mounting is also possible.

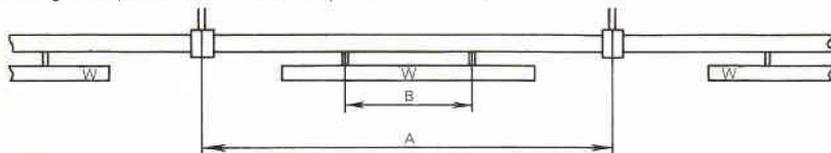
Brackets are attached to the fittings by means of the threaded bush, nut and washer supplied. The brackets engage with the batten flanges of the trunking and allow the fitting to be hinged from the trunking during installation, maintenance or subsequent modification of the through-wiring in the trunking. Clip-in, 15 amp terminal blocks are available for inter-connection and looping in. Cable carriers are included in each trunking length to retain the cables neatly in position.

The trunking mouth is closed by a black snap-on PVC cover strip

which is easily cut to length on site to fit between fittings. This part is not required when the fittings are continuously mounted. To ensure satisfactory earth continuity between the fittings and the trunking an earth screw is provided on the jointing piece, a jumper cable being necessary to complete the bond.

Standard trunking is made from 18 swg galvanized sheet steel.

**Maximum recommended trunking suspension centres 4.5m/14.75ft**



## Deflections for Atlantic trunking

A	B	Weight W	Deflection
4.5m/14.75ft	0.61m/24in	18kg/40lb	2.54mm/0.1in
A	B	Weight W	Deflection
4.5m/14.75ft	1.22m/48in	25kg/55lb	4.32mm/0.17in

For spans less than 4.5m the deflection on this trunking was not measurable.

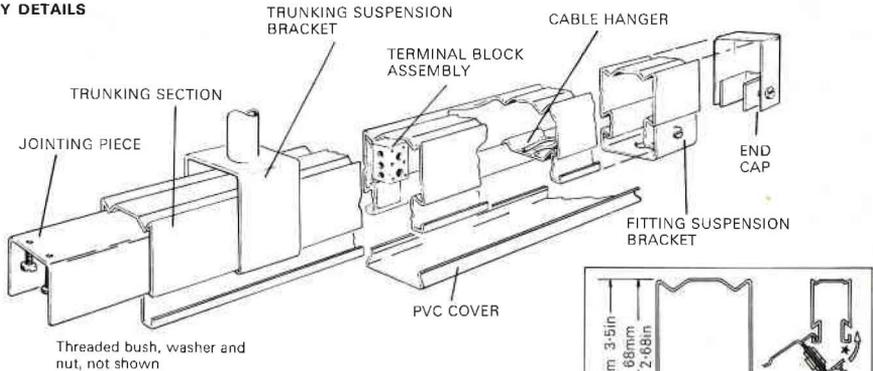
The above deflections were measured using Atlantic 4 fittings (Catalogue no. A4B/4685) at 0.61m/24in suspension centres and A4Z/T4885 at 1.22m/48in centres and suspended as detailed above.

These figures assume that all loads are counter-balanced and the final trunking span will be adequately supported at the termination point. It is important when designing trunking installations to ensure that the deflection between spans does

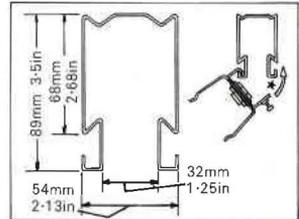
not exceed 1/300th of the total span. For example, an installation requires trunking to be suspended at 4.5m/14.75ft spans. Therefore maximum deflection

$$= \frac{4500}{300} = 15\text{mm}/0.6\text{in.}$$

## ASSEMBLY DETAILS



KEY	E = 7 <sup>1</sup> / <sub>10</sub> "	K = 1 <sup>3</sup> / <sub>32</sub> "
A = 2"	F = 3 <sup>1</sup> / <sub>2</sub> "	L = 2 <sup>3</sup> / <sub>32</sub> "
B = 2 <sup>9</sup> / <sub>16</sub> "	G = 11 <sup>1</sup> / <sub>2</sub> "	M = 8"
C = 5"	H = 1 <sup>1</sup> / <sub>8</sub> "	N = 12"
D = 2 <sup>3</sup> / <sub>32</sub> "	J = 3 <sup>1</sup> / <sub>2</sub> "	P = 2 <sup>1</sup> / <sub>2</sub> "



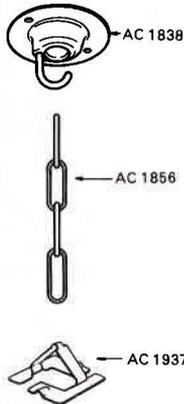
## COMPLETE PARTS LIST

<p>Weight 0.01kg (0.03lb) <b>AA 4702</b> Cable support</p>	<p>Weight 0.49kg (1.1lb) <b>AA 4703</b> Straight coupling</p>	<p>Weight 0.14kg (0.32lb) <b>AA 4704</b> Trunking suspension</p>
<p>Weight 0.05kg (0.12lb) <b>AA 4705</b> Fitting suspension</p>	<p>Weight 0.141kg (0.3lb) <b>AA 4706</b> End cap</p>	<p>Weight 0.20kg (0.45lb) <b>AA 4707</b> PVC cover 2.4m/7.87ft</p>
<p>Weight 0.04kg (0.11lb) <b>AA 4708</b> Terminal block assembly</p>	<p>Weight 0.11kg (0.25lb) <b>AA 4709</b> Horizontal coupling</p>	<p>Weight 0.45kg (1.0lb) <b>AA 4712</b> Four-way coupling</p>
<p>Weight 0.56kg (1.25lb) <b>AA 4713</b> T coupling</p>	<p>Weight 12.24kg (27lb) <b>AA 4500</b> Trunking 4.5m/14.75ft length</p>	

# Suspension Sets

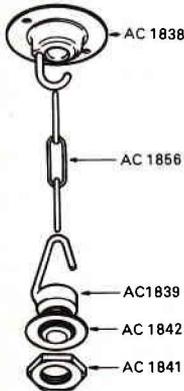
Suspension sets are available for all Thorn lighting fittings. Reference should be made to maximum loading table and respective weight of fitting to determine the type of suspension required. Standard length of rod or chain sets is 30in. Other lengths in multiples of 6in will be supplied on request. Half sections of the suspension sets are illustrated. Catalogue number relates to complete set.

Catalogue numbers for individual parts of suspension sets are shown on the diagrams.



## Suspension Set A.30 (Light Duty)

Two malleable iron hooked ceiling plates two 30in lengths of chain, two spring rods.

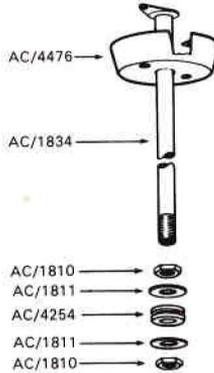


## Suspension Set K.30 (Heavy Duty)

Two dome hook plates, two 30in lengths of chain, two 3/8 E.T. suspension hooks, back nuts and washers.

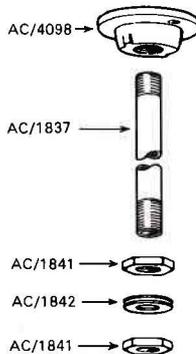
## Max. loading table

Maximum loading per set Catalogue no.	kg	lb
A.30	18.2	40
B.30	30.9	68
H.30	123.0	270
K.30	27.3	60



## Suspension Set B.30

Two pressed ceiling plates, two 1/2 in by 30in rods screwed 26 T.P.I., grommets, locknuts, washers. White finish.



## Suspension Set H.30

Heavy duty conduit suspension including two 3/8 in by 30in rods with ball joint ceiling plates and back-nuts. White finish.