

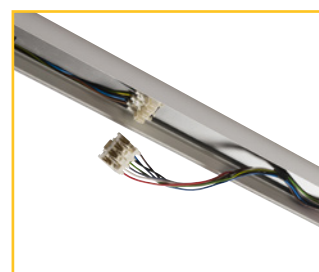


Optics

- Lamp options:
 - 1 x 45/49W, 50/54W T5 ECO/T5
 - 2 x 25/28W, 32/35W 45/49W T5 ECO/T5
- Cylindrical polycarbonate diffuser guarantees even light distribution and masks the lamp image
- Two light distribution options:
 - 70/30% down/uplight
 - 80/20% down/uplight with reflector fitted behind the diffuser for enhanced directional light

Body

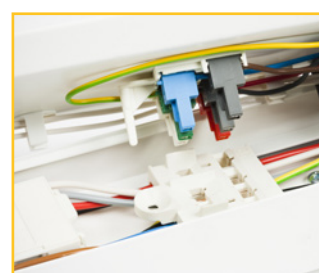
- IP40 as standard
 - Can be suspended or surface mounted
 - When suspended a cable entry block enables discreet cable entry from above if preferred (supplied separately)
 - Extruded aluminium trunking
 - 7 pole through wiring as standard
 - Quick Connect system for simple and rapid installation and reduction in labour costs
 - Trunking infills in either 500mm or 1000mm to extend continuous system
 - Range of compulsory trunking covers to cover open trunking (supplied separately)
 - Trunking covers available with integral PIR presence detector and photocell* with 4.5m coverage at 3m mounting height (supplied separately)
 - For integral sensor options all luminaires to be controlled must be DALI
- * One Master Luminaire must be used in conjunction with the Integral Sensor.



Through Wiring



Trunking cover with integral sensor



Quick connect system

Order Codes

Continuous Trunking

2000mm start of row

2000mm middle/end of row

Trunking for Stand Alone Luminaire

1246mm (for 28/54W luminaires)

1546mm (for 35/49W luminaires)

Luminaire

T5 ECO/T5 1 x 45/49W

T5 ECO/T5 1 x 50/54W

T5 ECO/T5 2 x 25/28W

T5 ECO/T5 2 x 32/35W

T5 ECO/T5 2 x 45/49W

HF Gear

INSH149W

INSH154W

INSH228W

INSH235W

INSH249W

3 hr Emergency

INSH149WEM

INSH154WEM

INSH228WEM

INSH235WEM

INSH249WEM

Accessories

Trunking Infills

500mm Infill

1000mm Infill

Trunking Cover for start/end of row†

35/49W Cover

28/54W Cover

Trunking Cover for start of row inc. cable entry block†

35/49W Cover

28/54W Cover

Trunking Cover for system without Infills

35/49W Cover

28/54W Cover

Trunking Cover for system with 500mm Infills

35/49W Cover

28/54W Cover

Trunking Cover for system with 1000mm Infills

35/49W Cover

28/54W Cover

Note: Stand Alone Trunking is supplied with trunking end cap kit.

INSST

INSMID

INSSA12

INSSA15

Order Codes

Components

WIRE SUSPENSION KIT*

TRUNKING END CAP KIT (1 kit required per row)

CABLE ENTRY FROM ABOVE

SURFACE MOUNTING KIT*

*Two kits required per 2m start of row trunking and one for each additional trunking section. Two per Stand Alone Trunking.

ITRBPEND

INSECW

INSABCAB

ITRBSURF

Options

DALI DIMMING Replace H with Y i.e. INSY149W

EASYTEST Add suffix /ET i.e. INSH149W/ET

COMEPS** Add suffix /EP i.e. INSH149W/EP

MASTER LUMINAIRE*** Add suffix /MAST INSY149W/MAST

(One Master Luminaire must be used when incorporating integrated sensor cover)

SENSOR WITHIN

TRUNKING COVER Add suffix /SEN INSCOV460W/SEN

(Use in conjunction with DALI luminaires only)

80/20% DOWN/UPLIGHT Add 80 before H or Y i.e. INS80H149W

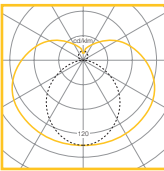
Note:

**DALI dimming combined with COMECS is only available in conjunction with Whitecroft Command Elite DALI addressable system. Please consult our Technical Desk.

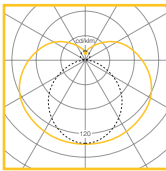
***Master Luminaires must be DALI. EM not available in Master Luminaires. Only one master luminaire per circuit layout, please contact Technical Desk for further information.

† Cannot be fitted with integral sensor.

Photometric Performance



1 x 35W T5
70/30% distribution
• LOR = 82.5%
• SHR MAX = 1.84



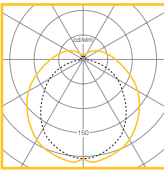
2 x 35W T5
70/30% distribution
• LOR = 77.8%
• SHR MAX = 1.82

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.45	0.67	0.74

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.43	0.63	0.70

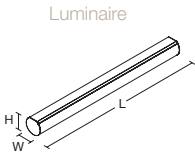
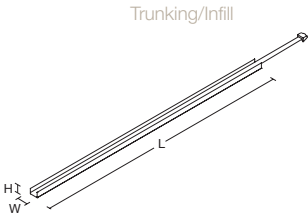


1 x 49W T5
80/20% distribution
• LOR = 79.3%
• SHR MAX = 1.69

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.48	0.69	0.75

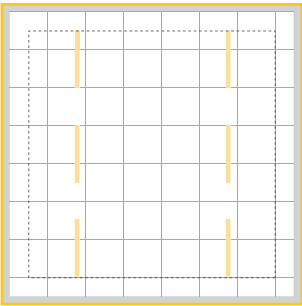
Dimensions



Version	L	W	H	KG	KG
Starter Trunking	2000	61	47	3.9	N/A
Middle Trunking	2000	61	47	3.9	N/A
Stand Alone Trunking (28/54W)	1246	61	47	2.4	N/A
Stand Alone Trunking (35/49W)	1546	61	47	3.0	N/A
500mm Infill	500	61	47	1.0	N/A
1000mm Infill	1000	61	47	2.0	N/A
28/54W Luminaire	1246	125	118	2.2	2.7
35/49W Luminaire	1546	125	118	3.3	3.7
Cable entry from above	100	61	47	0.7	N/A

Performance Guide

Lamps	Illuminance	Spacing
2 x 35W T5	349 lux	4.5m x 2.5m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.75m

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 25W T5 ECO	2450	24,000hrs
1 x 32W T5 ECO	3100	24,000hrs
1 x 45W T5 ECO	4100	24,000hrs
1 x 50W T5 ECO	4400	24,000hrs
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs

To Specify

Suspended or surface T5 fluorescent lighting system with polycarbonate circular diffuser and quick connect system for ease of installation, maximum efficiency and tool free installation – as Whitecroft Lighting INSPIRATION