KVL **LIGHT BOX**

Unit Lenght	2.00 m - 3.50 m
Height Base Box	1.50 - 2.00 m
Height Top Extension Box	0.50 - 1.00 m
Vertical Clearance under Spindle	0.98m Max.
Weight	465 kg - 805 kg
Recommended Depth	up to 3.00m
Lifting means	excavator ≈ 5 to 13t

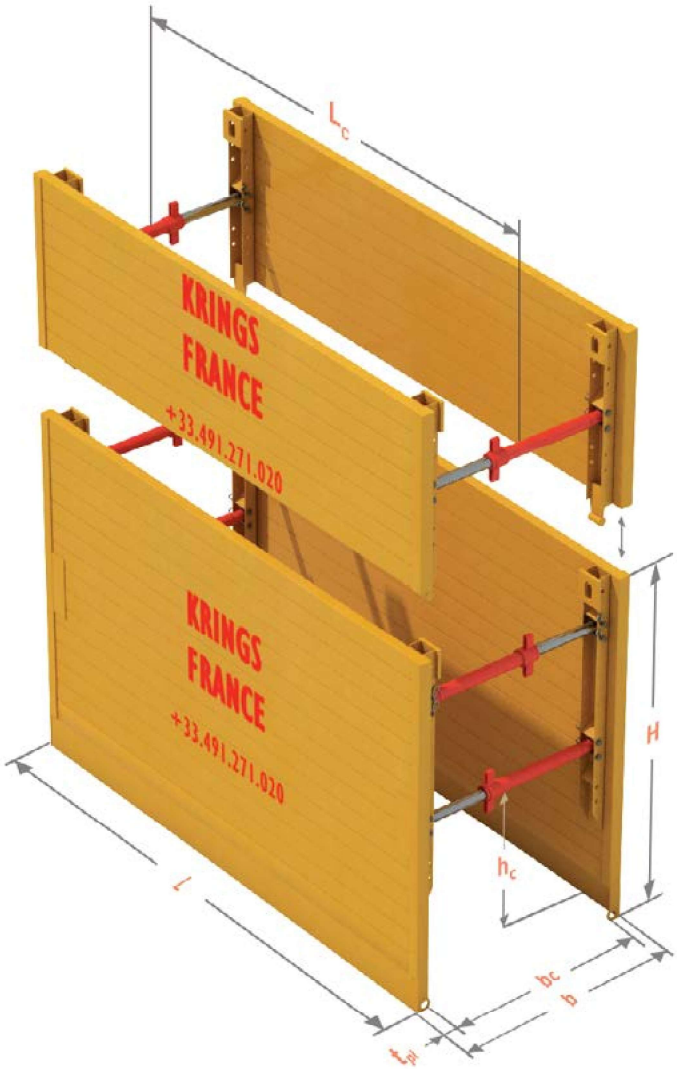
› This is the lightest in the steel trench box range. A small excavator can easily handle it. The KVL trench box is ideal for laying small diameter pipes at small depths.

› The 5 types of KVL spindles allow trench widths from 650mm to 2800mm.

› This box is ideal for urban sites and can be associated with the mini sheet pile guide box.

KVL **LIGHT BOX**

Conformity
DIN 4124
DIN EN 13331



H	Panel height
L	Panel length
h_c	Vertical clearance under spindle
L_c	Clearance between spindles
b_c	Effective width
b	Overall width
t_{pl}	Panel thickness

KVL **LIGHT BOX**

Base Panel LxH		Box Weight	Vertical clearance under spindle h_c	Clearance between spindles L_c	Panel thickness t_{pl}	Maximum loaded
[m]		[kg]	[mm]	[m]	[mm]	[kN/m²]
KVL 2.00x	1.5	465	720	1.69	60	53.3
	2.0	595	980			40.8
KVL 2.50x	1.5	595	720	2.19		42.6
	2.0	700	980			32.6
KVL 3.00x	1.5	625	720	2.69		32.0
	2.0	805	980			27.2
KVL 3.50x	1.5	835	720	3.19		30.0
	2.0	1090	980			30.0

Top Extension Panel		Box Weight	Vertical clearance under spindle h_c	Clearance between spindles L_c	Panel thickness t_{pl}	Maximum loaded
KVL 2.00x	0.5	205	-	1.69	60	53.3
	1.0	325	-			40.8
KVL 2.50x	0.5	235	-	2.19		42.6
	1.0	380	-			32.6
KVL 3.00x	0.5	270	-	2.69		32.0
	1.0	435	-			27.2
KVL 3.50x	0.5	330	-	3.19		30.0
	1.0	570	-			30.0

For any other dimensions, please consult us.

Tensile forces at the points of extraction, connection and towing (in the vertical direction) :

- Lifting eyes at the panel head Rd=229kN
- Bottom eyes of the panel Rd=23kN

Pipe Extension lengths	Effective Width b_c	Overall Width b	Weight
	[m]	[m]	[kg]
A	0.53 - 0.63	0.65 - 0.75	12.4
B	0.62 - 0.81	0.74 - 0.93	13.5
C	0.80 - 1.17	0.92 - 1.29	15.7
D	1.16 - 1.89	1.28 - 2.01	19.4
E	1.87 - 2.60	2.00 - 2.73	34.0