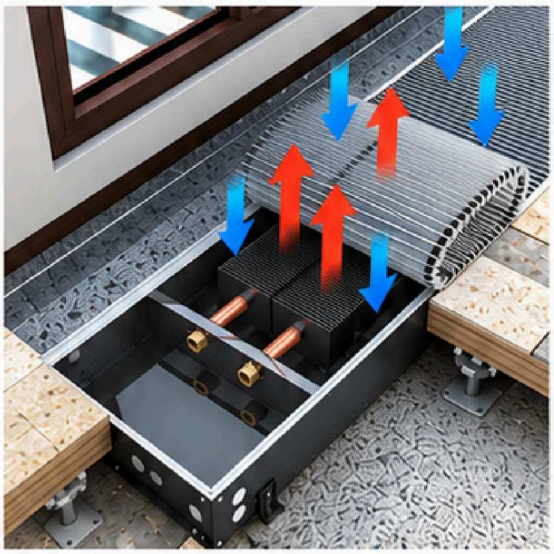
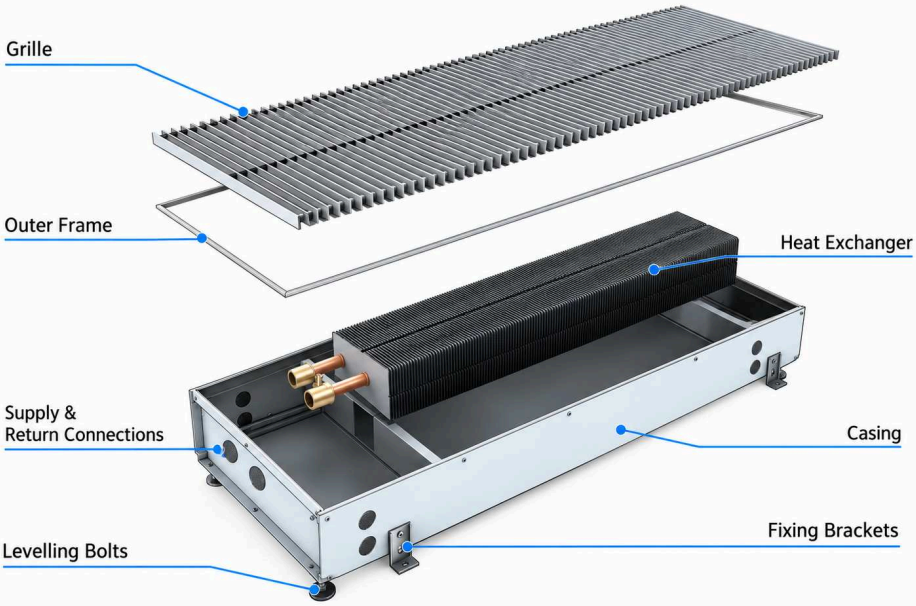
HYDRONIC TRENCH CONVECTOR



Natural Convection

The floor convector is designed for buildings with large glass curtain walls or French windows. It provides efficient perimeter heating, reduces cold downdraughts and helps prevent condensation, while maintaining a clean, zero-footprint architectural aesthetic.





Model Identification

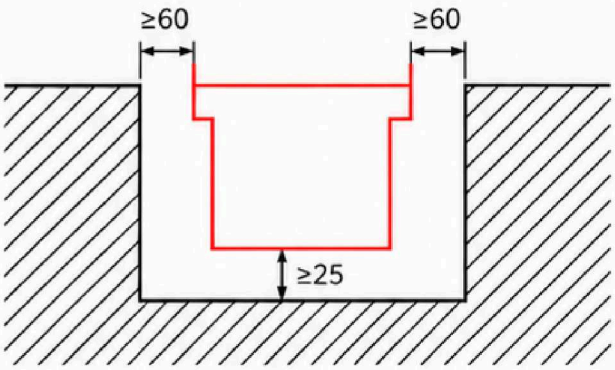
STLDXX -XXX -XXX/XXXX

- Casing Length
- Casing Width
- Casing Height
- **FN** (In-Floor Natural Convection)
- **FF** (In-Floor Forced Convection)
- **FHC** (In-Floor Heating & Cooling)
- Continuous Copper Tube Convector
- Soodia

INSTALLATION INSTRUCTIONS

(Fig. 1: Natural Convection, Cross-Flow Fan & Heating & Cooling Models)

1. **Site Check:** Verify pre-formed trench dimensions per Fig. 1.
2. **Levelling:** Place convector in trench; level all sections before connecting pipes.
3. **Piping:** Drill holes on the pipe side, install valves, and secure bolts.
4. **Backfilling:** Pressure test per standard protocols; backfill only when leak-free.



(Trimmable base edge | On-site trenching | Heating & Cooling)

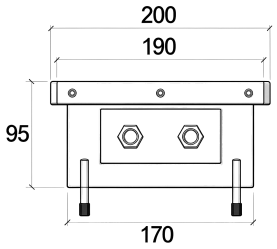
— Fig. 1 —

PIPING CONNECTION METHODS

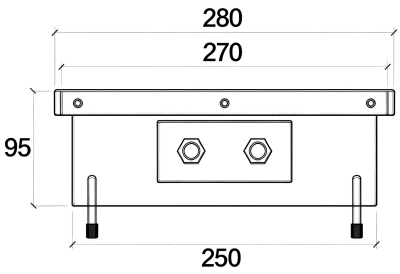
The convector casing extends 200 mm beyond the heating element. Holes can be pre-cut at the ends/sides per project requirements, or drilled on-site for connection to main supply pipes.
Connection sizes: DN15 / DN20.

Hydronic Trench Convector - Natural Convection

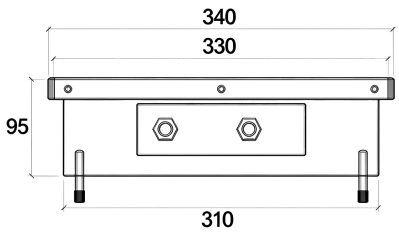
STLDFN-95-200/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-95-200/850	163	119	66	500	
STLDFN-95-200/1250	293	213	119	900	
STLDFN-95-200/1750	456	332	185	1400	
STLDFN-95-200/2250	619	450	251	1900	
STLDFN-95-200/2750	782	569	317	2400	
STLDFN-95-200/3250	945	687	383	2900	
Heat Output per Metre (W/m)	326	237	132	1000	

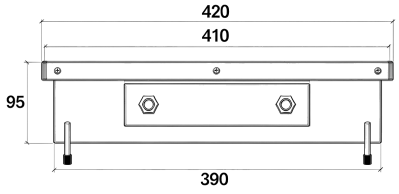
STLDFN-95-280/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-95-280/850	223	162	91	500	
STLDFN-95-280/1250	401	292	163	900	
STLDFN-95-280/1750	623	454	253	1400	
STLDFN-95-280/2250	846	616	344	1900	
STLDFN-95-280/2750	1068	778	434	2400	
STLDFN-95-280/3250	1291	940	525	2900	
Heat Output per Metre (W/m)	445	324	181	1000	

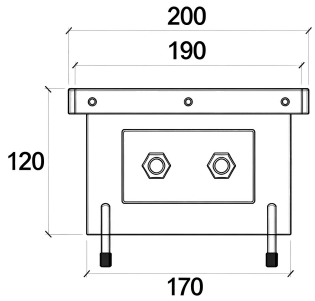
STLDFN-95-340/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-95-340/850	288	210	117	500	
STLDFN-95-340/1250	518	377	211	900	
STLDFN-95-340/1750	805	587	328	1400	
STLDFN-95-340/2250	1093	796	445	1900	
STLDFN-95-340/2750	1380	1006	562	2400	
STLDFN-95-340/3250	1668	1215	679	2900	
Heat Output per Metre (W/m)	575	419	234	1000	

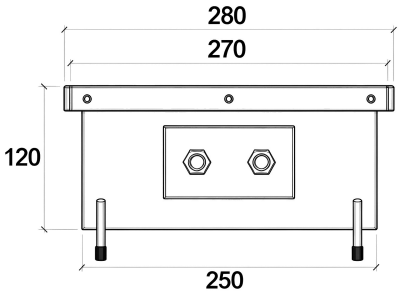
STLDFN-95-420/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-95-420/850	347	253	142	500	
STLDFN-95-420/1250	646	471	264	900	
STLDFN-95-420/1750	972	708	396	1400	
STLDFN-95-420/2250	1319	961	538	1900	
STLDFN-95-420/2750	1666	1214	679	2400	
STLDFN-95-420/3250	2013	1467	821	2900	
Heat Output per Metre (W/m)	694	506	283	1000	

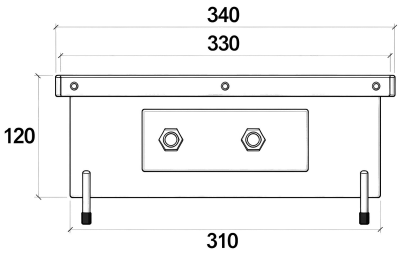
STLDFN-120-200/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-200/850	165	122	68	500	
STLDFN-120-200/1250	297	220	122	900	
STLDFN-120-200/1750	462	342	189	1400	
STLDFN-120-200/2250	627	464	257	1900	
STLDFN-120-200/2750	792	586	324	2400	
STLDFN-120-200/3250	957	708	392	2900	
Heat Output per Metre (W/m)	330	244	135	1000	

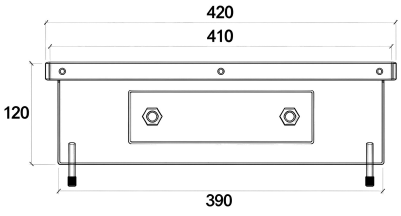
STLDFN-120-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-280/850	246	182	101	500	
STLDFN-120-280/1250	443	328	182	900	
STLDFN-120-280/1750	689	510	283	1400	
STLDFN-120-280/2250	935	692	384	1900	
STLDFN-120-280/2750	1181	874	485	2400	
STLDFN-120-280/3250	1427	1056	586	2900	
Heat Output per Metre (W/m)	492	364	202	1000	

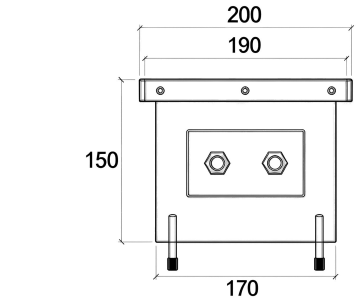
STLDFN-120-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-340/850	378	283	163	500	
STLDFN-120-340/1250	680	509	293	900	
STLDFN-120-340/1750	1057	792	455	1400	
STLDFN-120-340/2250	1435	1075	618	1900	
STLDFN-120-340/2750	1812	1358	780	2400	
STLDFN-120-340/3250	2190	1641	943	2900	
Heat Output per Metre (W/m)	755	566	325	1000	

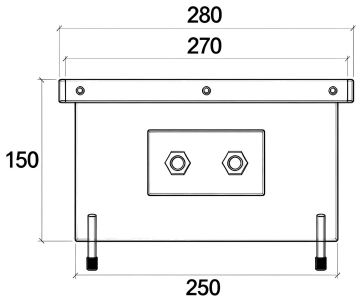
STLDFN-120-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-120-420/850	411	303	169	500	
STLDFN-120-420/1250	740	545	304	900	
STLDFN-120-420/1750	1151	847	473	1400	
STLDFN-120-420/2250	1562	1150	642	1900	
STLDFN-120-420/2750	1973	1452	811	2400	
STLDFN-120-420/3250	2384	1755	980	2900	
Heat Output per Metre (W/m)	822	605	338	1000	

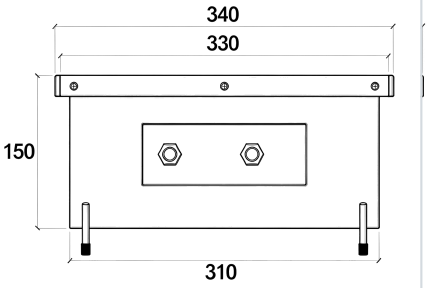
STLDFN-150-200/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-150-200/850	168	125	69	500	
STLDFN-150-200/1250	302	224	123	900	
STLDFN-150-200/1750	470	349	192	1400	
STLDFN-150-200/2250	638	473	260	1900	
STLDFN-150-200/2750	806	598	329	2400	
STLDFN-150-200/3250	974	722	397	2900	
Heat Output per Metre (W/m)	336	249	137	1000	

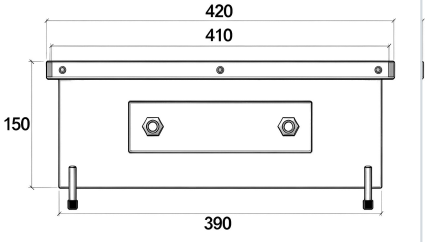
STLDFN-150-280/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-150-280/850	276	202	111	500	
STLDFN-150-280/1250	496	364	200	900	
STLDFN-150-280/1750	771	566	312	1400	
STLDFN-150-280/2250	1047	768	423	1900	
STLDFN-150-280/2750	1322	970	535	2400	
STLDFN-150-280/3250	1598	1172	647	2900	
Heat Output per Metre (W/m)	551	404	218	1000	

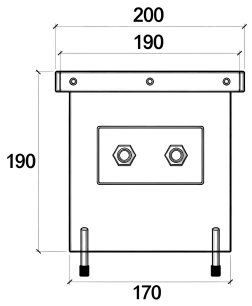
STLDFN-150-340/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-150-340/850	418	312	168	500	
STLDFN-150-340/1250	752	561	302	900	
STLDFN-150-340/1750	1170	872	470	1400	
STLDFN-150-340/2250	1588	1184	638	1900	
STLDFN-150-340/2750	2006	1495	806	2400	
STLDFN-150-340/3250	2424	1807	974	2900	
Heat Output per Metre (W/m)	836	623	336	1000	

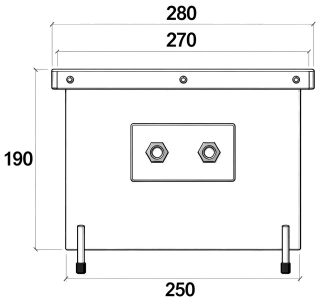
STLDFN-150-420/Length

Model	Operating Heat Output (W)			Fin Length (mm)	Product Diagram
	64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)		
STLDFN-150-420/850	452	333	188	500	
STLDFN-150-420/1250	814	599	339	900	
STLDFN-150-420/1750	1266	931	528	1400	
STLDFN-150-420/2250	1718	1264	716	1900	
STLDFN-150-420/2750	2170	1596	905	2400	
STLDFN-150-420/3250	2622	1929	1093	2900	
Heat Output per Metre (W/m)	904	665	371	1000	

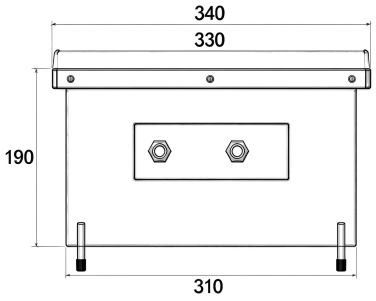
STLDFN-190-200/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-200/850	204	150	89	500	
STLDFN-190-200/1250	366	270	160	900	
STLDFN-190-200/1750	570	420	249	1400	
STLDFN-190-200/2250	773	570	338	1900	
STLDFN-190-200/2750	977	720	427	2400	
STLDFN-190-200/3250	1180	870	516	2900	
Heat Output per Metre (W/m)	407	300	167	1000	

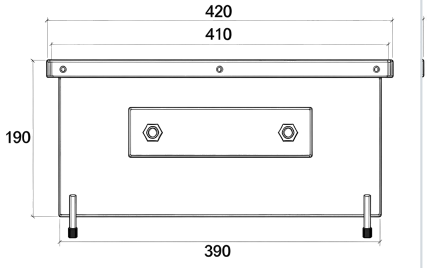
STLDFN-190-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-280/850	317	236	137	500	
STLDFN-190-280/1250	570	424	247	900	
STLDFN-190-280/1750	886	660	385	1400	
STLDFN-190-280/2250	1203	896	522	1900	
STLDFN-190-280/2750	1519	1132	660	2400	
STLDFN-190-280/3250	1836	1368	797	2900	
Heat Output per Metre (W/m)	633	466	260	1000	

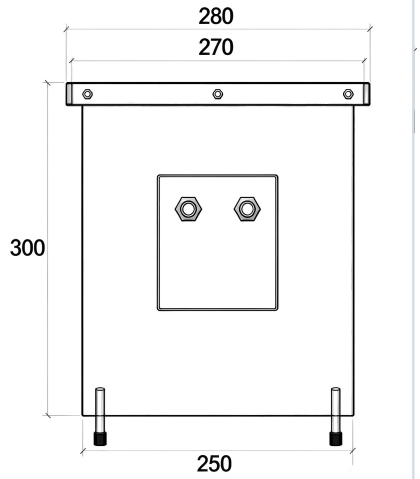
STLDFN-190-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-340/850	460	339	189	500	
STLDFN-190-340/1250	828	609	340	900	
STLDFN-190-340/1750	1288	948	529	1400	
STLDFN-190-340/2250	1748	1286	718	1900	
STLDFN-190-340/2750	2208	1625	907	2400	
STLDFN-190-340/3250	2668	1963	1096	2900	
Heat Output per Metre (W/m)	920	677	378	1000	

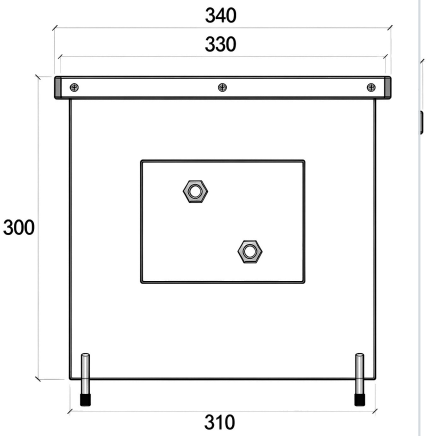
STLDFN-190-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-190-420/850	522	388	229	500	
STLDFN-190-420/1250	940	698	413	900	
STLDFN-190-420/1750	1462	1086	642	1400	
STLDFN-190-420/2250	1984	1474	872	1900	
STLDFN-190-420/2750	2506	1862	1101	2400	
STLDFN-190-420/3250	3028	2250	1331	2900	
Heat Output per Metre (W/m)	1044	769	429	1000	

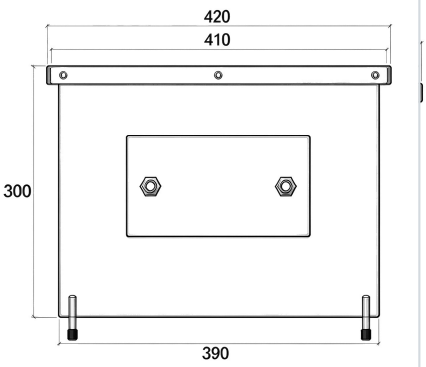
STLDFN-300-280/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-300-280/850	495	369	216	500	
STLDFN-300-280/1250	890	664	389	900	
STLDFN-300-280/1750	1385	1033	605	1400	
STLDFN-300-280/2250	1879	1402	821	1900	
STLDFN-300-280/2750	2374	1771	1037	2400	
STLDFN-300-280/3250	2868	2140	1253	2900	
Heat Output per Metre (W/m)	989	738	432	1000	

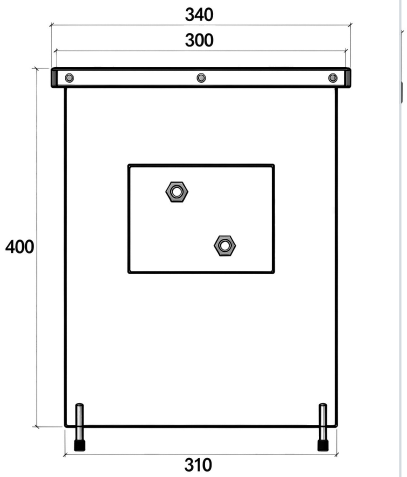
STLDFN-300-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-300-340/850	710	530	305	500	
STLDFN-300-340/1250	1277	954	549	900	
STLDFN-300-340/1750	1987	1484	854	1400	
STLDFN-300-340/2250	2696	2014	1159	1900	
STLDFN-300-340/2750	3406	2544	1464	2400	
STLDFN-300-340/3250	4115	3074	1769	2900	
Heat Output per Metre (W/m)	1419	1060	610	1000	

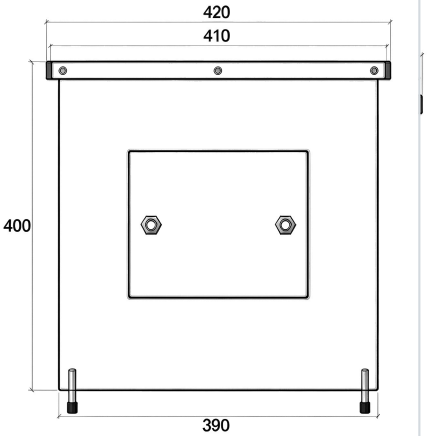
STLDFN-300-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-300-420/850	804	598	344	500	
STLDFN-300-420/1250	1446	1076	618	900	
STLDFN-300-420/1750	2250	1673	962	1400	
STLDFN-300-420/2250	3053	2271	1305	1900	
STLDFN-300-420/2750	3857	2868	1649	2400	
STLDFN-300-420/3250	4660	3466	1992	2900	
Heat Output per Metre (W/m)	1607	1195	687	1000	

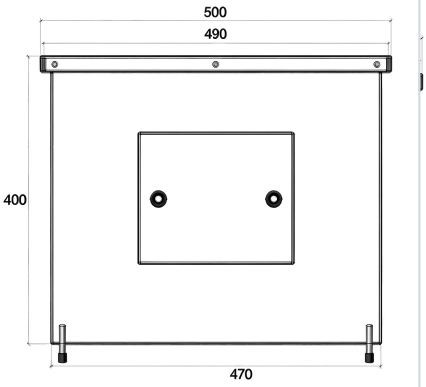
STLDFN-400-340/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-400-340/850	828	619	356	500	
STLDFN-400-340/1250	1490	1113	641	900	
STLDFN-400-340/1750	2318	1732	997	1400	
STLDFN-400-340/2250	3146	2350	1353	1900	
STLDFN-400-340/2750	3974	2969	1709	2400	
STLDFN-400-340/3250	4802	3587	2065	2900	
Heat Output per Metre (W/m)	1656	1237	712	1000	

STLDFN-400-420/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-400-420/850	1089	815	433	500	
STLDFN-400-420/1250	1959	1466	779	900	
STLDFN-400-420/1750	3048	2281	1212	1400	
STLDFN-400-420/2250	4136	3095	1645	1900	
STLDFN-400-420/2750	5225	3910	2078	2400	
STLDFN-400-420/3250	6313	4724	2511	2900	
Heat Output per Metre (W/m)	2177	1629	866	1000	

STLDFN-400-500/Length

Model	Operating Heat Output (W) 64.5°C (95/70/18)	52°C (80/60/18)	34.5°C (60/45/18)	Fin Length (mm)	Product Diagram
STLDFN-400-500/850	1229	945	511	500	
STLDFN-400-500/1250	2211	1700	919	900	
STLDFN-400-500/1750	3440	2645	1429	1400	
STLDFN-400-500/2250	4668	3589	1940	1900	
STLDFN-400-500/2750	5897	4534	2450	2400	
STLDFN-400-500/3250	7125	5478	2961	2900	
Heat Output per Metre (W/m)	2457	1889	1021	1000	