



RADIATORS
AND
TOWEL RAILS



2014



Colour: White R01

FUNCTIONING:	<input checked="" type="checkbox"/> HOT WATER	<input checked="" type="checkbox"/> ELECTRIC <i>(see page 82)</i>	<input checked="" type="checkbox"/> DUAL ENERGY <i>(see page 196)</i>
P. max: 8 bar	T. max: 95 °C		
Connections: 2 x 1/2" gas - 1 x 1/2" gas Airvent			

The decoration radiator suited for all types of bathroom. Smooth and easy LISA® 22 allows you to create heat in a classy way. Well adapted for big projects.

- Material:**
- Vertical collectors in painted mild steel semi oval 30x40 mm
 - Horizontal heating elements in painted steel with ø 22 mm

Fixing Kit:
Brackets, Airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

Packing:
Carton angular and profiles protected by a recyclable film in polyethylene.

User notice included.

Painting process
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

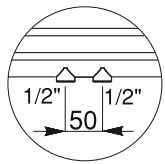
Colours:
Available only in colour white R01-RAL 9010 and R02-RAL 9016.

Accessories:
See page 186

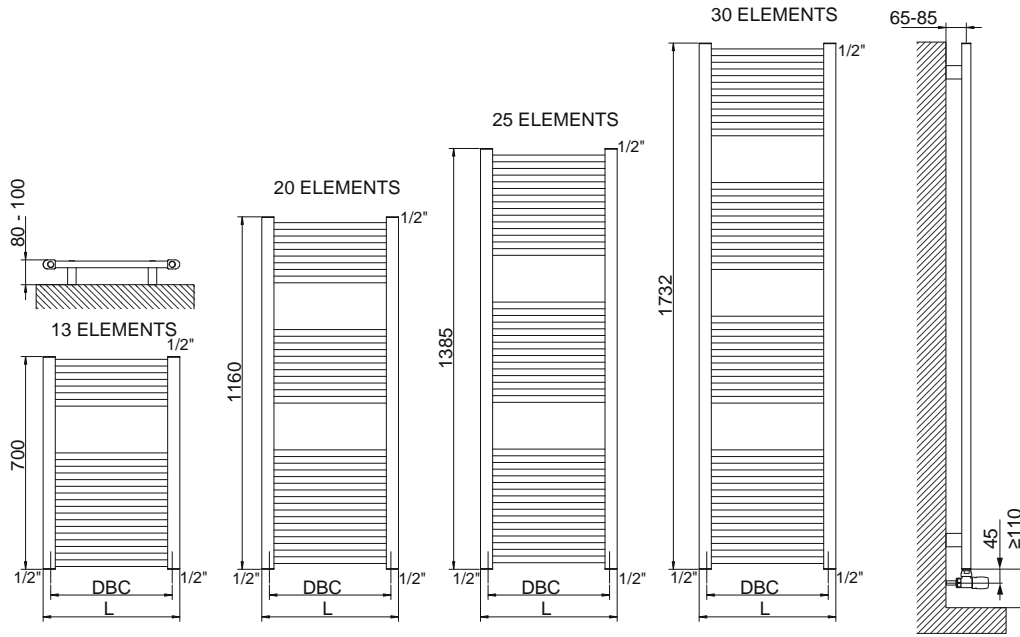
ACCESSORIES

	KIT 2 HOOKS PAINTED MILD STEEL - WHITE
Code Nr. 5991990310171	

	TOWEL BAR - MILD STEEL WHITE Width 370 mm
Available on Width ≥ 450 mm	Code Nr. 5991990310170



Detail of the Pipe Centres 50 mm version



LISA® 22			Pipe Centres 50		Code Nr. are referred to colour WHITE R01 - RAL 9010 version.				
Height (mm)	Width L (mm)	Code Nr.	Pipe Centres DBC (mm)	Code Nr.	Dry Weight (Kg)	Water Content (lt)	Output $\Delta t=50^{\circ}\text{C}$ *		75/65/20°C ($\Delta T=50^{\circ}\text{C}$)
							Watt	kcal/h *	Thermal output ϕ in Watt and ΔT in °C
700	400	3551646101077	350	3551646101081	3,8	2,6	257	221	$\phi = 2,1525 * \Delta T$ ^{1,2227}
	450	3551646101001	400	3551646101021	4,0	2,9	282	242	$\phi = 2,3514 * \Delta T$ ^{1,2232}
	500	3551646101002	450	3551646101022	4,3	3,1	306	263	$\phi = 2,5496 * \Delta T$ ^{1,2237}
	550	3551646101003	500	3551646101023	4,6	3,3	330	284	$\phi = 2,7469 * \Delta T$ ^{1,2242}
	600	3551646101004	550	3551646101024	4,9	3,5	355	305	$\phi = 2,9435 * \Delta T$ ^{1,2247}
1160	400	3551646101078	350	3551646101082	6,0	4,2	408	351	$\phi = 3,2424 * \Delta T$ ^{1,2362}
	450	3551646101005	400	3551646101025	6,4	4,5	448	385	$\phi = 3,5381 * \Delta T$ ^{1,2374}
	500	3551646101006	450	3551646101026	6,8	4,9	487	419	$\phi = 3,8308 * \Delta T$ ^{1,2385}
	550	3551646101007	500	3551646101027	7,2	5,2	526	453	$\phi = 4,1207 * \Delta T$ ^{1,2397}
	600	3551646101008	550	3551646101028	7,6	5,5	565	486	$\phi = 4,4080 * \Delta T$ ^{1,2408}
1385	400	3551646101079	350	3551646101083	7,3	5,2	509	438	$\phi = 4,2032 * \Delta T$ ^{1,2263}
	450	3551646101009	400	3551646101029	7,8	5,6	558	480	$\phi = 4,5605 * \Delta T$ ^{1,2287}
	500	3551646101010	450	3551646101030	8,3	6,0	606	521	$\phi = 4,9107 * \Delta T$ ^{1,2311}
	550	3551646101011	500	3551646101031	8,8	6,4	655	563	$\phi = 5,2539 * \Delta T$ ^{1,2335}
	600	3551646101012	550	3551646101032	9,3	6,8	703	605	$\phi = 5,5903 * \Delta T$ ^{1,2359}
1732	400	3551646101080	350	3551646101084	8,9	6,3	634	545	$\phi = 4,7465 * \Delta T$ ^{1,2511}
	450	3551646101013	400	3551646101033	9,5	6,8	695	598	$\phi = 5,2295 * \Delta T$ ^{1,2498}
	500	3551646101014	450	3551646101034	10,1	7,3	756	650	$\phi = 5,7176 * \Delta T$ ^{1,2486}
	550	3551646101015	500	3551646101035	10,8	7,8	817	703	$\phi = 6,2102 * \Delta T$ ^{1,2474}
	600	3551646101016	550	3551646101036	11,4	8,3	878	755	$\phi = 6,7075 * \Delta T$ ^{1,2461}

(*) For output at different Δt than 50°C, see page 202

ACCESSORIES

		KRISTAL VALVE SQUARE , WHITE R01-RAL 9010	
COPPER connection	Code Nr.	MULTILAYER connection	Code Nr.
Ø 10/12/14/15/16	5991990311012	Ø 14/16/18	5991990311011

		KRISTAL VALVE SQUARE PIPE CENTRES 50 MM LEFT R01-RAL 9010	
COPPER connection	Code Nr.	MULTILAYER connection	Code Nr.
Ø 10/12/14/15/16	5991990311121	Ø 14/16/18	5991990311120

		VALVE NIKVAL SQUARE	
COPPER connection	Code Nr.	MULTILAYER connection	Code Nr.
Ø 10/12/14/15/16	5991990311100	Ø 14/16/18	5991990311101

LISA® 22 CHROME



Finishing Chrome

FUNCTIONING:	<input checked="" type="checkbox"/> HOT WATER	<input checked="" type="checkbox"/> ELECTRIC <i>(see page 84)</i>	<input checked="" type="checkbox"/> DUAL ENERGY <i>(see page 196)</i>
P. max: 8 bar	T. max: 95 °C		
Connections: 2 x 1/2" gas - 1 x 1/2" gas Airvent			

Lisa® 22 Chrome, a brand new towel rail designed to warm and furnish your bathroom in a unique and distinctive way. An elegant solution, conceived for those who wish to install an easy reliable product but capable, at the same time, to distinguish itself among others. The chrome procedure, carried out in Italy according to the most severe and high quality standards, conveys to the Lisa® 22 model a state of the art finishing and aesthetic look, quality and convenience.

Material:

- Vertical collectors chromed mild steel semi oval 30x40 mm.
- Horizontal heating elements chromed mild steel with ø 22 mm.

Fixing Kit:

Brackets, Airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

Packing:

The radiator is protected by carton angular and profiles and by a recyclable film in polyethylene. User notice included.


Finishing:


Chrome (plated in Italy)

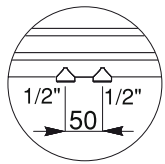
Accessories:

See page 186

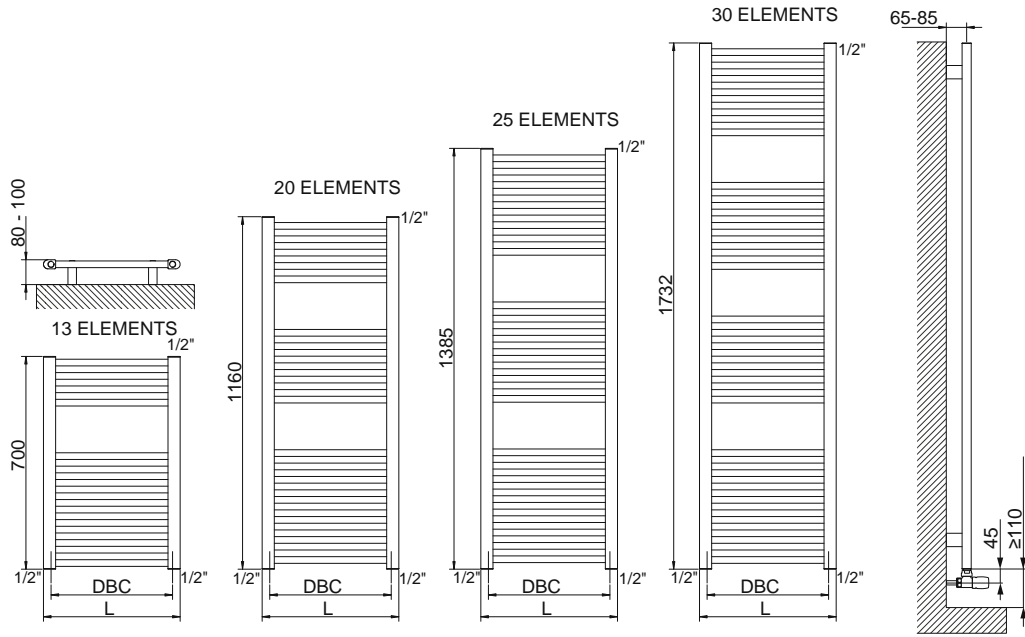
ACCESSORIES

	KIT 2 HOOKS CHROME
Code Nr. 5991990310303	

	TOWEL BAR CHROME Width 370 mm
Available on Width ≥ 450 mm	Code Nr. 5991990310302



Detail of the Pipe Centres 50 mm version



LISA® 22 CHROME			Pipe Centres 50				Output $\Delta t=50^{\circ}\text{C}$ *		75/65/20°C ($\Delta T=50^{\circ}\text{C}$)
Height (mm)	Width L (mm)	Code Nr.	Pipe Centres DBC (mm)	Code Nr.	Dry Weight (Kg)	Water Content (lt)	Output $\Delta t=50^{\circ}\text{C}$ *		Thermal output ϕ in Watt and ΔT in °C
							Watt	kcal/h *	
700	400	3551646101277	350	3551646101281	3,8	2,6	180	155	$\phi = 1,5371 * \Delta T$ ^{1,2176}
	450	3551646101201	400	3551646101221	4,0	2,9	197	169	$\phi = 1,6825 * \Delta T$ ^{1,2176}
	500	3551646101202	450	3551646101222	4,3	3,1	214	184	$\phi = 1,8279 * \Delta T$ ^{1,2176}
	550	3551646101203	500	3551646101223	4,6	3,3	231	199	$\phi = 1,9732 * \Delta T$ ^{1,2176}
	600	3551646101204	550	3551646101224	4,9	3,5	248	213	$\phi = 2,1186 * \Delta T$ ^{1,2176}
1160	400	3551646101278	350	3551646101282	6,0	4,2	286	246	$\phi = 2,0990 * \Delta T$ ^{1,2562}
	450	3551646101205	400	3551646101225	6,4	4,5	313	270	$\phi = 2,3007 * \Delta T$ ^{1,2562}
	500	3551646101206	450	3551646101226	6,8	4,9	341	293	$\phi = 2,5023 * \Delta T$ ^{1,2562}
	550	3551646101207	500	3551646101227	7,2	5,2	368	317	$\phi = 2,7039 * \Delta T$ ^{1,2562}
	600	3551646101208	550	3551646101228	7,6	5,5	396	340	$\phi = 2,9054 * \Delta T$ ^{1,2562}
1385	400	3551646101279	350	3551646101283	7,3	5,2	357	307	$\phi = 2,5365 * \Delta T$ ^{1,2642}
	450	3551646101209	400	3551646101229	7,8	5,6	390	336	$\phi = 2,7782 * \Delta T$ ^{1,2642}
	500	3551646101210	450	3551646101230	8,3	6,0	424	365	$\phi = 3,0197 * \Delta T$ ^{1,2642}
	550	3551646101211	500	3551646101231	8,8	6,4	458	394	$\phi = 3,2614 * \Delta T$ ^{1,2642}
	600	3551646101212	550	3551646101232	9,3	6,8	492	423	$\phi = 3,5030 * \Delta T$ ^{1,2642}
1732	400	3551646101280	350	3551646101284	8,9	6,3	444	382	$\phi = 3,3184 * \Delta T$ ^{1,2514}
	450	3551646101213	400	3551646101233	9,5	6,8	486	418	$\phi = 3,6384 * \Delta T$ ^{1,2514}
	500	3551646101214	450	3551646101234	10,1	7,3	529	455	$\phi = 3,9587 * \Delta T$ ^{1,2514}
	550	3551646101215	500	3551646101235	10,8	7,8	572	492	$\phi = 4,2790 * \Delta T$ ^{1,2514}
	600	3551646101216	550	3551646101236	11,4	8,3	615	529	$\phi = 4,5994 * \Delta T$ ^{1,2514}

(*) For output at different Δt than 50°C, see page 202

ACCESSORIES

		KRISTAL VALVE SQUARE THERMOSTATIC FUNCTION CHROME (thermostatic head to be ordered separately)	
COPPER connection	Code Nr.	MULTILAYER connection	Code Nr.
Ø 10/12/14/15/16	5991990311063	Ø 14/16/18	5991990311064

		KRISTAL VALVE SQUARE PIPE CENTRES 50 MM CHROME	
COPPER connection	Code Nr.	MULTILAYER connection	Code Nr.
Ø 10/12/14/15/16	5991990301050	Ø 14/16/18	5991990301049

	LIQUID THERMOSTATIC HEAD CHROME
Kit 2 pieces	
Code Nr. 5035270710015	

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