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Lumon Oy
Kaitilankatu 11
FI-45130 Kouvola
LGR ETA-21/0677 of 08.02.2022

Balcony and Terrace glazing system without vertical frames

- Lumon®Glazing Retractable Standard Lift Handle
- Lumon®Glazing Retractable Standard Handle
- Lumon®Glazing Retractable Strong Lift Handle
- Lumon®Glazing Retractable Strong Handle
- Lumon®Glazing Retractable Strong Low Threshold Handle

Purpose of use: Balcony and Terrace glazing systems

Hygiene, health and the environment:

Ventilation and dampness	Gaps 2-3 mm between glass panes assures ventilation, which reduces the risk of dampness or condensation.
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Safety and accessibility in use: Resistance to wind load. EN 12211

	Max. Pane height [mm]	Max. Pane width [mm]	Thickness of glass [mm]	Max test pressure inward (+) Pa	Max test pressure outward (-) Pa	Pressure P3 estimated Pa
Lumon®Glazing Retractable Standard Lift Handle	2063	1000	6	800	900	800
	2363	1000	8	1200	1100	1100
	1663	1000	10	4200	4500	4200
	2863	650	10	1200	1500	1200
Lumon®Glazing Retractable Standard Handle	2063	1000	6	800	900	800
	2363	1000	8	1100	1200	1100
	1663	1000	10	3800	4400	3800
	2863	650	10	1300	1400	1300
Lumon®Glazing Retractable Strong Lift Handle	2360	1000	8	1000	1300	1000
	2860	1000	10	1100	1200	1100
	1660	1000	12	5700	5900	5700
	2860	800	12	1700	1700	1700
Lumon®Glazing Retractable Strong Handle	2360	1000	8	1100	1000	1000
	2860	1000	10	1100	1200	1100
	1660	1000	12	5300	5300	5300
	2860	800	12	2000	1900	1900
Lumon®Glazing Retractable Strong Low Threshold Handle	2377	665	8	1200	1100	1100
	2877	665	10	1300	1200	1200
	1677	665	12	4500	4100	4100
	2877	665	12	1500	1700	1500

Safety in use: Impact resistance of Lumon®Glazing Retractable. Impact from indoors and outdoors.

	Glass pane thickness [mm]	Drop height [mm]	Class according to EN 13049
Lumon®Glazing Retractable Standard Lift Handle	8	450	3
	10	450	3
Lumon®Glazing Retractable Standard Handle	8	200	1
	10	450	3
Lumon®Glazing Retractable Strong Lift Handle	8	450	3
	10	450	3
	12	900	4
Lumon®Glazing Retractable Strong Handle	8	200	1
	10	450	3
	12	450	3
Lumon®Glazing Retractable Strong Low Threshold Handle without lock in the middle	8	200	1
	10	450	3
	12	450	3
Lumon®Glazing Retractable Strong Low Threshold Handle with lock in the middle	8	200	1
	10	200	1
	12	200	1

Durability

Plastic parts UV-ageing and heat testing 1000 h, ISO 4892-2	No influence on performance.
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Corrosion resistance

Metallic parts	At least moderate corrosion resistance in mild environments.
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Properties of panes

Resistance to racking	NPD
Resistance to static torsion	NPD

Protection against noise

Airborne sound insulation	NPD
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