

GUSTAFS		Technical Data Sheet										Doc	TDS-GLM-T24 Solid						
		Gustafs Linear Module System - Ceiling T24										Rev	2019-12-02						
CORE		Rib dimension		STANDARD SPACING		MODULE WIDTH		LENGTH		WOOD SPECIES									
Solid wood		Portrait 20x45 mm Landscape 45x20 mm		30 mm for portrait 15 mm for landscape		600 mm		1200 or 1800 mm		Elm / Ash / Birch / Beech / American Oak / European Oak / Red Oak / Cherry / Maple / Mahogany / Pine / Walnut / Others on request									
ESTETICS & MAINTENANCE																			
Colour, pattern & finish		Wood is a natural product and each rib will be is unique. Colour, pattern and structural differences are considered as normal. Wood changes over time when exposed to UV-light.																	
Maintenance		Only for indoor use. Use and installation at 18-50 C° and 25-60% humidity. Cleanings is done by dry mop or vacuum. Use synthetic cleaning fluid without ammonia for greasy stains, fruit, wine and coffee. Blood is removed with cold water.																	
TOLERANCES		PERFORMANCE		COMMENTS				STANDARD											
Thickness		± 1,0 mm						SS-EN 13986/324-1/324-2											
Length		± 2,0 mm						SS-EN 13986/324-1/324-2											
Width		± 2,0 mm						SS-EN 13986/324-1/324-2											
Warping of ribs		± 5,0 mm						SS-EN 13986/324-1/324-2											
PHYSICALS		PERFORMANCE																	
Weight		Depending on the wood specie, rib & module dimension, spacing between the ribs.																	
Flexural tensile strenght		Class 1 / A / no load						EN 14190:2014											
Service load bearing		450 N		for ceiling use				EN 14190:2014											
Failing load bearing		3520 N		for ceiling use				EN 14190:2014											
EVIRONMENT		PERFORMANCE		COMMENTS				STANDARD											
Release of asbestos		NPD																	
Formaldehyde		38 µg/m²h		E1				SS-EN ISO 16000-9											
TVOC		350 µg/m²h		total emission				SS-EN ISO 16000-9											
Recycled content, pre-cons.		0%		Solid wood															
Recycled content, post-cons.		0%		Solid wood															
FSC wood		Yes, on request		Certificate code: SCS-COC-005137				FSC, Chain of Custody											
Durability		> 50 years		expected life time															
Energy for production		97% water, 3% wind energy		100% renewable energy															
Possible LEED points		EA C1, MR C1.2, MR C2, MR C3, MR C5, MR C6, MR C7, IEQ C3.1, IEQ C3.2, IEQ C4.1, IEQ C4.4. Schools: EQ C4, option 6, EQ C9		sustainable buildings				LEED for New Construction and Major Renovations, LEED for Schools											
Possible BREEAM points																			
FIRE		PERFORMANCE		COMMENTS				STANDARD											
Reaction to fire		B-s1,d0		Solid wood, improved by impregnation				EN 13501-1											
ACOUSTICS																			
Typ	Spacing	Slott (D)	cc (A/E)	WALL: 45 mm insulation + 30 mm air void (Hz/αp)							CEILING: 45 mm insulation + 200 mm air void (Hz/αp)								
				αw	NRC	125	250	500	1000	2000	4000	αw	NRC	125	250	500	1000	2000	4000
Linear	15 mm	∞	50	0,70-C	0,80	0,30	0,90	1,00	0,75	0,60	0,65	0,70-C	0,80	0,50	0,95	0,85	0,75	0,60	0,65
Linear	>25 mm	∞		"Open" surface							"Open" surface								