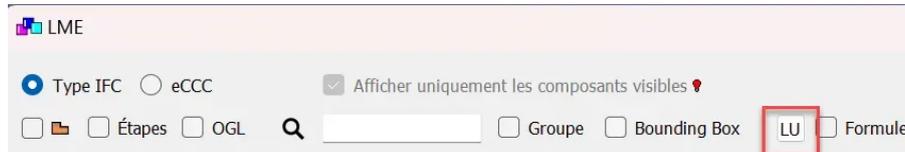


5.9.3 LU (Lexocad Units)

The LU (Lexocad Units) window opens from the LME dialog (Dialog / LME ...)



LU allows to make some very precise measurements on the different elements of the model. It can be for example the vertical faces of a wall, the surface of the top of a slab, or even surfaces neither vertical nor horizontal, ...

In this table you will find different units classified by categories

- m3
- m2
- m
- formulas with the different LU
- Swiss SIA standard (m2)

m3 +		m2										m		Formula		SIA	
LU	pc	horizontal / vertical brutto netto	normal vector brutto netto	B bound box brutto	Balken	O opening	LU	LU	kg/m3	pc	manual						
0	pc	100 200 m2 E				800 pc pc	700 m E	50 kg/m3	800 pc	manual							
1	b	101 201 m2 A				801 m2 OA	701 m All	51	801 m3	manual							
2	n	102 202 m2 HB	302 402 m2 NB	502 m2 BB		802 m2 OB	702 m L BB		802 m2	manual	902 m2	HB SIA					
3	BB	103 203 m2 HT	303 403 m2 NT	503 m2 BT		803 m2 OT	703 m H BB		803 m	manual	903 m2	HT SIA					
4	O	104 204 m2 HP				804 m2 O1	704 m W BB		804 cm	manual							
		105 205 m2 V1	305 405 m2 N1	505 m2 B1		805 m2 O2	705 m L BB h		805 mm	manual	905 m2	V1 SIA					
		106 206 m2 V2	306 406 m2 N2	506 m2 B2		806 m2 O3	706 m H BB f				906 m2	V2 SIA					
		107 207 m2 V3	307 407 m2 N3	507 m2 B3		807 m2 O4			807 t	manual							
		108 208 m2 V4	308 408 m2 N4	508 m2 B4		808 m2 O4	708 m Mesh Dicke		808 kg	manual	908 m2	V12 SIA					
		109 209 m2 VA	309 409 m2 NV	509 m2 BV													
10	Sturz					810 pc Tür	710 m OL	60	time	Monat	810 w	Woche					
11	Brüstung	111 211 m2 m3/E				811 pc Fenster	711 m OH	61	time	Woche	811 m	Monat					
		112 212 m2 HA	312 412 m2 NHA			812 pc Fenster 3	712 m OW	62	time	Tag	812 d	Tag					
		113 213 m2 HBV	313 413 m2 NBV			813 pc Tür-Fen											
		114 214 m2 105 115	314 414 m2 305 315				714 m OLT										
15	kg b	115 215 m2 V12	315 415 m2 N12			815 m2 OBT	715 m OL3	65	m	arc R int.							
16	kg n	116 216 m2 V13	316 416 m2 N13			816 m2 O12		66	m	arc R out.							
		117 217 m2 V14	317 417 m2 N14			817 m2 O34	717 m Sturz	67	m	arc thickn.							
18	t b	118 218 m2 V23	318 418 m2 N23				718 m Brüstung	68	angle	arc angle							
19	t n	119 219 m2 V24	319 419 m2 N24														
		120 220 m2 V34	320 420 m2 N34			820 m2 OBT34	720 m Spriess	70	m2	arc A int	820 %	N					
		121 221 m2 V123	321 421 m2 N123				721 m Distanz Trans	71	m2	arc A ext.							
		122 222 m2 V124	322 422 m2 N124														
		123 223 m2 V134	323 423 m2 N134														
		124 224 m2 V234	324 424 m2 N234			824 m2 OT34											
		125 225 m2 HBV12	325 425 m2 NBN12			825 m2 OB34											

tolerance 0.02mm / m

How to use LUs ?

In the LME window, for each element to be measured, simply indicate in the LU box the number corresponding to what is to be measured and assign a name to the corresponding Property. It is possible to measure several values for the same element by adding a new property (right button (M) on the "Property" box)

In the example below, the following values are measured for the slab:

LU n° 902 (top surface according to SIA standard)

LU n° 109 (all vertical surfaces)
 LU n° 2 (net volume)
 LU n°303 (gross surface of the top)

LME

Type IFC eCCC Afficher uniquement les composants visibles Recalculer automatiquement CAN Additionnel Code

Étapes OGL Groupe Bounding Box LU Formule Commentaire Brut Net CAN Code 2 Extension Limite Durée Guid

Couleur	M	eCCC	Composant	Nb	LM	Matériaux	Chapitre	Set	P	Property	valeur (CAN 7)	CAN	LU	Unité	Détail	Qté	
550		C 4.1	dalle hor. normale	1	1	beton armé	241	L550									
				1						L261 coffrage dalle hor.	Type 2	261.1	902	m2	sHB	25.00	<input type="checkbox"/>
				1						L261	Type 2	261.1x	902	m2	sHB	25.00	<input type="checkbox"/>
				1						L261	Type 2	261.1x1	902	m2	sHB	25.00	<input type="checkbox"/>
				1						L268 reprise dalle vert.	Type 2	268.11	109	m2	bVA	20.00	<input type="checkbox"/>
				1						L268	Type 2	268.11x	109	m2	bVA	20.00	<input type="checkbox"/>
				1						L511 armature							<input type="checkbox"/>
				1						L661 type de beton dalle	NPK A	661.11	2	m3	n	25.00	<input type="checkbox"/>
				1						L661	NPK A	661.11x	2	m3	n	25.00	<input type="checkbox"/>
				1						L812 talocher surface	marche esc...	812.30	303	m2	bNT	25.00	<input type="checkbox"/>
				1						L812	marche esc...	812.30x	303	m2	bNT	25.00	<input type="checkbox"/>
				1						L814 talocher surface	monobeton	814.102	303	m2	bNT	25.00	<input type="checkbox"/>