



**FORTECO**<sup>TM</sup>  
LIGHTWEIGHT COMPOSITE FRAMING

**COMPOSITE STEEL/CONCRETE  
LOAD TABLES**

3" Concrete Topping  
f'c = 4000 psi

Spacing:  
24"

G60  
Galvanized  
Steel  
Fy = 50 ksi

Series:	LCF8-18	LCF8-16	LCF8-14	LCF8-12	LCF10-18	LCF10-16	LCF10-14	LCF10-12
Depth (in) - Gauge	8" - 18 ga	8" - 16 ga	8" - 14 ga	8" - 12 ga	10" - 18 ga	10" - 16 ga	10" - 14 ga	10" - 12 ga
Approximate Weight (lb/ft)	4.17	5.21	6.49	9.00	4.82	6.03	7.51	10.42
Span (ft)	Allowable Superimposed Live Load (Dead Load = 20psf) Superimposed Live Load at L/480 (Deflection @ Allow. Load)							
8	1168	1510						
9	898	1054						
10	706	763	878	912		946	1187	
11	563	568	706	680		763	887	
12	455	433	575	519	720	620	624	678
13	370	336	473	404	596	484	515	529
14	303	265	393	320	499	383	702	501
15	249	212	327	256	420	308	597	403
16	205	171	274	207	356	250	511	329
17	169	139	230	170	302	205	440	271
18	138	114	193	140	257	170	380	225
19	112	94	161	116	219	141	330	188
20	90	78	135	96	187	118	287	159
21	71	65	112	81	159	99	250	134
22	54	54	92	68	135	84	217	114
23	40	(L/518)	74	57	114	71	189	97
24	27	(L/578)	59	47	96	60	165	83
25			45	40	79	51	143	71
26			33	33	65	43	124	61
27			23	(L/531)	52	36	106	53
28					40	30	91	45
29					30	25	77	39
30					21	21	65	33
31						54	28	
32						43	24	
33						34	20	
34						26	16	
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Notes: 1. Load values are based on a steel yield strength of 50 ksi and a joist spacing of 24" o.c. For different load conditions, joist spacing or steel material strengths please contact Lightweight Structures, LLC for custom engineering design.  
2. This table is to be used as a guide for determining depth and steel sizes for various span and distributed load conditions. Calculations are based on allowable stress design for composite steel-concrete construction. Contact Lightweight Structures, LLC for engineering an pricing for a particular application.

**JENDUSA**  
DESIGN &  
ENGINEERING<sup>LLC</sup>  
ARCHITECTS & ENGINEERS

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