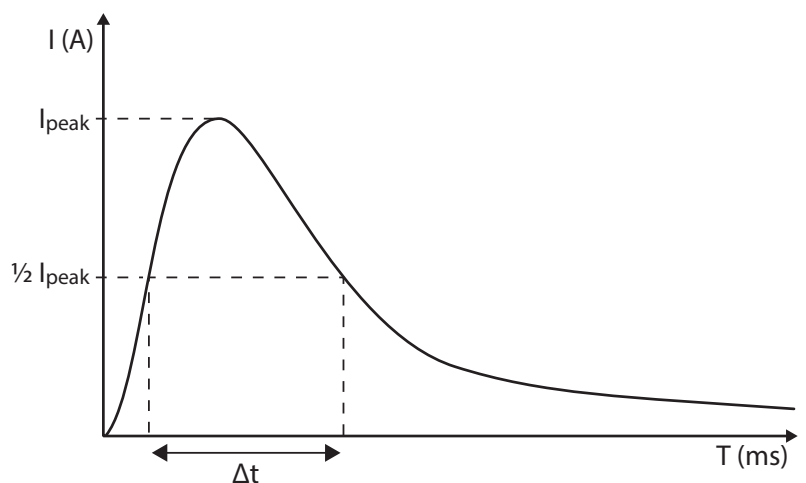


## Quantity of LED drivers for MCB'S MINIATURE CIRCUIT BREAKERS

Type C MCB's are strongly recommended to use with LED lighting.  
Other types can prove unsuitable due to their tripping properties.  
Practical quantities will depend strongly on the reactance of the actual circuit.

CONVERSION TABLE FOR OTHER TYPES OF  
MINIATURE CIRCUIT BREAKER

MCB type	Relative quantity of LED drivers
B 10 A	37 %
B 16 A	60 %
B 20 A	75 %
C 10 A	62 %
C 16 A	100 % (see tables)
C 20 A	125 %



	Quantity of drivers per miniature circuit breaker 16 A Type		Typical inrush current	1/2 value time	Calculated energy
	Based on $I_{cont}$	Based on $I_{peak}$	$I_{peak}$ (A)	$\Delta t$ ( $\mu s$ )	$I_{peak}^2 \Delta t$ (A <sup>2</sup> s)
LL6-U-CC	250	2192	3	45	0,0003
LL60/2-E-DA-iC	38	30	42	189	0,2381
LL35/2-E-DA-iC	53	30	42	189	0,2381
LL2x35-E-DA	31	30	42	189	0,2381
LL2x35-E-CC	30	32	40	186	0,2198
LL2x25-E-CC	43	53	30	162	0,104
LL1x80-E-CC-350-700	26	39	39	166	0,1885
LL1x80-DA-350-700	30	30	43	186	0,239
LL1x80-CC-1400-2100	28	31	18	405	0,0275
LL1x80-CR-DA	30	30	42	186	0,24
LL1x75-E-CV24	30	37	29	220	0,1346
LL1x70-E-DA	31	53	33	148	0,1465
LL1x70-E-CC	32	52	32	152	0,1158
LL65HE-CC-250-700	36	48	33	162	0,1279
LL1x54-CC-350	43	1080	10	25	0,0021
LL1x50-E-DA	41	60	30	144	0,09282
LL1x50-E-CC-700-1050	45	60	29	148	0,0901
LL1x50-E-CC	43	62	29	143	0,0889
LL1x42-E-CC-350	53	75	18	180	0,0412
LL1x40-E-DA2	51	1500	9	22	0,0014
LL1x40-E-DA1	53	1500	9	22	0,0014
LL1x40-E-CC	51	1459	9	23	0,00143
LL1x38-CC-350/300	56	1294	8	26	0,0013
LL1x38-CC-350	56	1294	8	26	0,0013
LL1x38-CC	56	1256	8	28	0,0012
LL35HE-CC-120-450	64	79	23	140	0,0545
LL1x30-E-CV24	70	72	19	184	0,0443
LL1x30-E-CC-700	79	74	19	175	0,0459
LL1x30-E-CC-350	78	67	19	190	0,0478
LL1x28-AN	75	1512	7	26	0,0011
LL1x26-CC	62	1256	8	28	0,0012
LL1x23-80-E-CC	30	36	40	173	0,1978
LL1x23-80-DA	31	31	42	187	0,239
LL1x23-80-CR-DA	31	31	41	187	0,24
LL1x21-CC	99	2541	5	22	0,00045
LL1x20-E-DA	98	1254	6	36	0,00066
LL1x20-E-CC-700	108	93	22	119	0,0424
LL1x20-E-CC-500	115	83	16	182	0,0291
LL1x20-E-CC-350	108	94	22	117	0,0417
LL1x15-E-CC-500	145	94	22	119	0,041
LL1x150-E-CC	17	15	51	286	0,4428
LL1x150-CR-DA	17	13	50	336	0,4831
LL1x12-E-CC-700	172	159	19	78	0,0203
LL1x12-E-CC-350	162	172	16	83	0,0159
LL1x120-E-CV24	20	55	13	308	0,0205
LL1x110-CR-DA	22	21	46	240	0,346
LL1x110-E-DA	22	21	46	240	0,346
LL1x110-E-CC-350-700	22	25	41	221	0,273
LL1x110-E-CC-200-350	22	24	41	236	0,301
LL1x10-42-CR-DA	53	56	25	177	0,08
LL1x10-42-E-DA	53	56	25	177	0,0797
LL1x10-42-E-CC	57	62	23	176	0,0672
LC1x70-E-DA	32	46	34	165	0,1541
LC1x70-E-CC	32	41	32	185	0,1536
LC51SE-CC-900-1400-LOOP	43	55	30	158	0,1050
LC1x50-E-DA	43	61	29	146	0,09667
LC1x50-E-CC-700-1050	46	56	30	150	0,1083
LC1x50-E-CC	43	57	29	156	0,1041
LC45SE-CC-600-1050-LOOP	49	82	26	114	0,0593
LC45SE-CC-600-1050	49	51	25	190	0,0889
LC45/2-DA-iC	51	58	29	153	0,093
LC1x40-CC-1050	53	1220	5	40	0,00069
LC35SE-CC-350-850-LOOP	56	92	23	111	0,0453
LC35SE-DA-350-850	56	92	23	111	0,0453
LC35SE-CC-350-850	56	51	25	190	0,0889
LC35/2-DA-iC	64	89	23	120	0,0458
LC1x35-DA	64	55	25	177	0,08
LC1x35-CC	59	1714	6	28	0,00068
LC1x30-E-DA	73	1528	7	26	0,0011

LC1x30-E-CC	74	1742	7	25	0,0009
LC1x30-E-AN	73	1467	7	27	0,0011
LC1x30-CC-700	70	947	4,9	53	0,00069
LC1x28-AN	75	1512	7	26	0,0011
LC1x25-DA	85	86	24	115	0,048
LC1x25-CC	80	1716	7	24	0,00086
LC1x20-CC-500	110	4303	2,9	22	0,00014
LC1x14-CC-350	156	5050	3,2	18	0,00016
OL1x75-E-CV24	29	37	29	218	0,1344
OL1x60-E-CC	39	17	50	270	0,3736
OL1x30-E-CV24	72	68	16	208	0,0386
OL1x100-E-CC2	19	12	25	690	0,2889
OL1x100-E-CC1	20	13	26	610	0,2924