

Emergency Lighting Modules

TECHNICAL INFORMATION

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TRIDONIC.ATCO

EM BASIC Extended Application

EM 34B BASIC

EM 13E BASIC

The EM BASIC range of emergency lighting products consists of 4 different product types (A, B, C, D). These are needed due to the different starting and operating requirements of the various types of fluorescent lamps. Each EM Basic type is optimised to give best possible lamp performance and life performance with the minimum number of battery cells.

Additional to this we can however offer the possibility to use only one type out of the EM BASIC range to operate most lamp types of a rated duration – the EM 34B BASIC for 3 hours and the recently introduced EM 13E BASIC for 1 hour.

According to the statement above please note that by using only one EM BASIC type for the complete lamp range, some lamps will be run outside of the specification. This will lead to a decrease in the lamp performance but this may be acceptable in certain markets.

In the following table you find information about the effect on the duration and the BLF for all lamps which can be operated.

Emergency light output factors (BLF) and duration

Lamp		EM 34B BASIC		EM 13E BASIC	
Type	Wattage W	Duration hours	BLF	Duration hours	BLF
T5	4	6	15	4,5	23
	6	6	14	3	23
	8	6	16	3	23
	13	4,5	14	2	22
	14	5,5	11	2	19
	21	3	12	1,5	18
	24	4,5	7	2	12
	28	3	11	1	15
	35	2,5	10	-	-
	39	3	6	1,5	9
	49	2,5	7	-	-
54	3	6	1	8	
T8	18	6	12	2,5	12
	36	3	10	1,5	9
	58	3	7	1	10
TC-DEL	10	6	11	3	17
TC-D/TEL	13	6	11	2,5	16
	18	4,5	10	2,5	13
	26	4,5	7	2	11
TC-TEL	32	3	8	1,5	10
	42	3	8	1	9
TC-SEL	5	6	12	4,5	19
	7	6	11	3	19
	9	6	12	3	18
	11	5,5	13	2	22
TC-L	18	6	7	2,5	11,5
	24	4,5	7	2	11
	36	3	9	1,5	9
	40	3	8	1	9
	55	3	5	1	7
TC-DD	10	6	13	2,5	20
	16	4,5	11	2,5	15
	28	4,5	7	1,5	11
	38	4,5	5	1,5	8
T5 circline	40	3	6	1	9

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