

LIFETIME OF LED MODULES IN LUMINAIRES OSMONT

Below is the lifetime data according to the international LM-80 test methodology, calculated according to the numerical methodology TM-21.

Two types of LED modules (fitted with two types of LEDs) are used in luminaires: LED modules "B" and "C".

Example: LED-1L12B07K52/042 3000, LED-1L18C03K52/042 3000.

Note:

L70B10 at 140.000 hours of operation indicates that the luminous flux of the luminaires does not drop below 70% (L70) of the initial luminous flux. Only 10% (B10) of LEDs can have a lower luminous flux than 70% of the original.

LM-80 data of LED module type "B" at 25°C ambient temperature

Product	Lxx	Byy	LED-6L51B07 LED-9L52B07	All others
LED modules type "B"	80	10	88,000 h	67,000 h
	70	50	168,000 h	132,000 h
	70	10	140,000 h	107,000 h
	80	50	105,000 h	83,000 h
	80	20	93,000 h	72,000 h
	90	50	49,000 h	39,000 h
	90	20	44,000 h	35,000 h

LM-80 data of LED module type "C" at 25°C ambient temperature

Product	Lxx	Byy	LED-1L18C02 LED-3L53C07 LED-2L43C07 LED-4L36C03	All others
LED modules type "C"	80	10	138,000 h	114,000 h
	70	50	275,000 h	220,000 h
	70	10	219,000 h	181,000 h
	80	50	173,000 h	138,000 h
	80	20	149,000 h	122,000 h
	90	50	82,000 h	66,000 h
	90	20	72,000 h	58,000 h