

Technical Sheet

MACROLUX

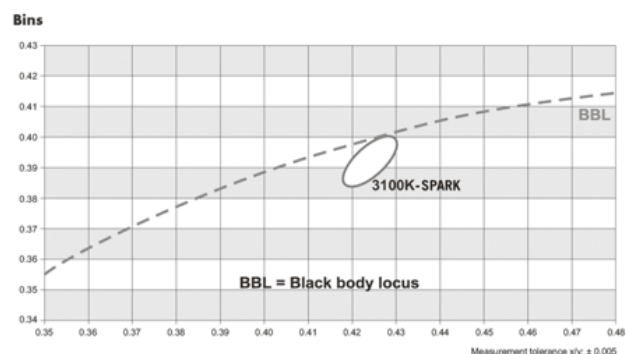
MACROLUX s.r.l. 31020 San Vendemiano Treviso - Italia Via Padania, 67/70 t. +39 0438 470773 f. +39 0438 470295 p. iva 03547130264 macrolux@macrolux.net www.macrolux.it

Produc code 11.111.3100.--



LED COB 111

Built-in LEDSpot equipped with a reflector, heat sink, leads and optional plug



The "SPARK" model is a COB module with special "brilliant" white effect, optimized for "fashion" lighting, with an emission very similar to Ceramic Metal Halide lamps, particularly conceived for clothing and fashion stores.

Electrical Characteristics

at $t_p = 65^\circ\text{C}$

Type	Typ. voltage DC			Temperature Coefficient mV/K	Typ. power consumption		
	350 mA V	500 m V	700 mA V		350 mA W	500 mA W	700 mA W
11.111.3100.--	41.1	41.8	42.7	-22	15	21	30

Voltage and power tolerance: $\pm 10\%$

Maximum Ratings

Exceeding the maximum ratings can lead to reduction of service life or destruction of the modules.

Type	Operation temperature range at t_c -point		Ambient temperature range		Storage temperature range		Max. allowed repetitive peak current (mA)	Max. permitted output voltage of operating device (V)
	$^\circ\text{C min.}$	$^\circ\text{C max.}$	$^\circ\text{C min.}$	$^\circ\text{C max.}$	$^\circ\text{C min.}$	$^\circ\text{C max.}$		
11.111.3100.--	-40	+88	-40	+40	-40	+105	1670	60

Optical Characteristics

at $t_p = 65^\circ\text{C}$

Type		Colour	Correlated colour temperature K	Typ. luminous flux** and efficiency at						Typ. beam angle ($^\circ$)	Typ. CRI R a
				350 mA lm	350 mA lm/W	500mA lm	500mA lm/W	700 mA lm	700 mA lm/W		
11.111.3100.		Pearl white	3100°K	1890	131	2625	126	3540	118	16/32	95

BRILLIANT WHITE LIGHT OPTIMIZED FOR FASHION AND CLOTHES LIGHTING

SIMILAR COLOUR IMPRESSION LIKE CMH LAMPS

LONG SERVICE LIFETIME: 50.000 HOURS (L90; B10)

HIGH ELECTRICAL ISOLATION DUE TO CERAMIC COB TECHNOLOGY

NARROW COLOUR TOLERANCES: 3 STEP MACADAMS