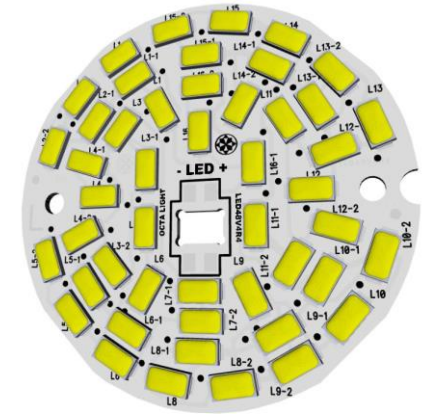


FAMILY TECHNICAL DATASHEET

Product Description

- Round Light Engines for Spot/Track light applications
- Direct 230 V AC operation
- Wide Range of color and CRI setups
- Module efficiency up to 110 lm/W
- Direct AC and External Power supply DC options
- Multiple sizes and configurations
- Color Rendering index ranges > 80
- Minimal color shift – within 2 MCADAM Step selectable
- Constant light uniformity in series connection
- Easy fixation – screw openings
- Lifetime estimation at L70F10 > 80 000 hours
- High power factor > 0.9
- Wide working voltage range



Product Nomenclature name	Color temperature	Type	Typ. Flux @ 25C [Lm]	Typ. Flux @ 65C [Lm]	Drive current [A]	Nominal Forward voltage [V]	Min Vf[V]	Max Vf	Nominal power @ 65C [W]	Efficiency @ 25C [Lm/W], NW 4000K	Efficiency @ 65C [Lm/W], NW 4000K	Lm/W @ 88% PS efficiency	Board Length [mm]	Board Diameter [mm]	Maximal module height [mm]	Octa LED	Color rendering index
OCTL-SMD-CRL-10-AC-2-XX-80	3000/4000/5700	230 V AC	200	195	0.010	230 AC	180 V AC	280 V AC	2	102	97	X	/	10	4,5	BHV-50	Min 80, Typ. 85
OCTL-SMD-CRL-50-AC-4-XX-80	3000/4000/5700	230 V AC	430	410	0.020	230 AC	180 V AC	280 V AC	4	108	103	X	/	50	4,5	572	Min 80, Typ. 85
OCTL-SMD-CRL-50-AC-8-XX-80	3000/4000/5700	230 V AC	840	800	0.035	230 AC	180 V AC	280 V AC	8	105	100	X	/	50	4,5	572	Min 80, Typ. 85
OCTL-SMD-CRL-50-AC-12-XX-80	3000/4000/5700	230 V AC	1230	1160	0.050	230 AC	180 V AC	280 V AC	12	102	97	X	/	50	4,5	572	Min 80, Typ. 85
OCTL-SMD-CRL-150-AC-20-XX-80	3000/4000/5700	230 V AC	2100	2000	0.090	230 AC	180 V AC	280 V AC	20	105	100	X	/	152	4,5	572	Min 80, Typ. 85



COMPANY INFORMATION

Octa Light Bulgaria was established in 2010 as a research and manufacturing center for Light Emitting Diodes (LED) and is entirely based in the EU. Octa Light Bulgaria own LED portfolio includes powerful high-brightness light emitting diodes, last generation of low-power & mid-power LEDs, wide range of COBs and innovative AC LED modules. The company manufactures LEDs in in all three base colors - red, green, blue and white, as well as exotic colors as pink, cyan, yellow, purple and other on basis of client requirements. We constantly upgrade our LEDs range to bring highest performance and quality of light sources for today's wide range of lighting applications. The company is also OEM and ODM supplier of LED packages.

Today Octa Light Bulgaria is fully vertically integrated manufacturer of LED packages, LED modules, LED lamps and LED luminaires.

Octa Light Bulgaria offers also complete lighting solutions accomplishing a variety of lighting projects with own range of LED luminaires. Further to its core lighting business the company offers Electronic Manufacturing Services (EMS).

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