

# FAMILY TECHNICAL DATASHEET

### Product Description

- Round Light engines for Spot/Track Lighting Applications
- Wide Range of color and CRI setups
- Module efficiency up to 180 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
- Push-in wire installation for quick assembly
- Easy fixation – screw openings
- Lifetime estimation at L70F10 > 80 000 hours
- Standard 5 Years Octa Light Warranty



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-DC-XXX-XX-80	3000/4000/5700	DC	126.0	118.8	0.150	6	5.6	6.4	0.90	140	132	123	/	10	1.5	5730	Min 80, Typ 85
OCTL-SMD-CRL-10-DC-XXX-XX-80	3000/4000/5700	DC	149.5	142.8	0.150	5.6	5.4	6.0	0.84	178	170	156	/	10	1.5	57P	Min 80, Typ 85
OCTL-SMD-CRL-10-DC-XXX-XX-80	3000/4000/5700	DC	136.3	130.6	0.040	24	22.0	25.0	0.96	142	136	124	/	10	1.5	572	Min 80, Typ 85
OCTL-SMD-CRL-10-DC-XXX-XX-80	3000/4000/5700	DC	132.5	126.7	0.080	12	10.0	13.0	0.96	138	132	121	/	10	1.5	571	Min 80, Typ 85
OCTL-SMD-CRL-33-DC-XXX-XX-80	3000/4000/5700	DC	252.0	241.2	0.150	12	10.0	13.0	1.80	140	134	123	/	33	1.5	5730	Min 80, Typ 85
OCTL-SMD-CRL-50-DC-25-XX-80	3000/4000/5700	DC	3024.0	2894.4	0.450	48	44.8	51.2	21.60	140	134	123	/	50	1.5	5730	Min 80, Typ 85
OCTL-SMD-CRL-50-DC-18-XX-80	3000/4000/5700	DC	2016.0	1929.6	0.300	48	44.8	51.2	14.40	140	134	123	/	50	1.5	5730	Min 80, Typ 85
OCTL-SMD-CRL-50-DC-8-XX-80	3000/4000/5700	DC	1008.0	964.8	0.150	48	44.8	51.2	7.20	140	134	123	/	50	1.5	5730	Min 80, Typ 85



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-50-DC-20-XX-80	3000/4000/5700	DC	2457	2351.7	0.450	39	36.4	51.2	17.55	140	134	123	/	50	1.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-50-DC-13-XX-80	3000/4000/5700	DC	1638	1567.8	0.300	39	36.4	51.2	11.70	140	134	123	/	50	1.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-50-DC-6-XX-80	3000/4000/5700	DC	819	783.9	0.150	39	36.4	51.2	5.85	140	134	123	/	50	1.5	5730	Min 80, Typ 85
OCTL-SMD-CRL-75-DC-XXX-XX-80	3000/4000/5700	DC	1323	1266.3	0.450	21	19.6	23.8	9.45	140	134	123	/	75	4.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-80-DC-XXX-21-80	3000/4000/5700	DC	1323	1266.3	0.450	21	19.6	22.4	9.45	140	134	123	/	80	4.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-80-DC-XXX-40-80	3000/4000/5700	DC	2646	2532.6	0.450	42	39.2	44.8	18.90	140	134	123	/	80	4.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-120-DC-XXX-24-80	3000/4000/5700	DC	1512	1447.2	0.450	24	22.4	25.6	10.80	140	134	123	/	120	4.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-130-DC-XXX-30-80	3000/4000/5700	DC	1890	1809.0	0.450	30	28.0	32.0	13.50	140	134	123	/	130	4.5	5730	Min 80, Typ 85
OCTL-SMD-CRL-150-DC-XXX-36-80	3000/4000/5700	DC	2268	2170.8	0.600	27	25.2	28.8	16.20	140	134	123	/	150	4.5	5730	Min 80, Typ 85
OCTL -SMD-CRL-190-DC-XXX-40-80	3000/4000/5700	DC	2520	2412.0	0.600	30	28.0	32.0	18.00	140	134	123	/	190	4.5	5730	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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