



R080 rectangular LED recessed spotlight

This is a compact LED luminaire developed for replacement of halogen lamp. Three optional combination of fixtures are available, namely single spot, twin-spot and tri-spot with standard light source of 10W each. Bidirectional LED module housing could be freely adjusted for desirous casing angle, thus suitable for boutique, reception, wall display and many other aesthetic lighting applications



General Characteristic

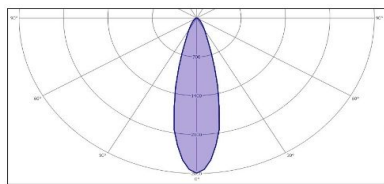
Housing construction	Each LED modules are integrated with a bidirectional aluminum mounting ring fitted to the mild steel framework.
Trim color	Opaque white
Reflector	Cone shape mirror
Rated life span	50000 hours (accumulative)
Ingress protection	IP40
Industrial standard	IEC 62384 / LM-80
Certification	CE, RoHS, FCC

Light Characteristic

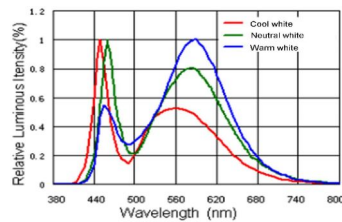
Light source	Luxtrous 510 COB
Color rendering index	Ra ≥80
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Luminous efficacy	100 lumen per watt
Beam angle	= 30 degrees
Uniformity (uO)	>0.4
RF interference	Free

Electrical Characteristic

Input power	85~265VAC, 50/60Hz
Power supply	External standard or TRIAC dimmable driver
Power	8.0W (rated); 8.9W (system)
Power factor	≥0.87
Operation temp	-20°C ~+50°C
Overload protection	95%~108% constant current limiting, auto-
Over voltage protection	110%~140% rated output voltage
Operation humidity	95% Rh @-20°C to 50°C
Wire interface	No polarity
Safety standards	EN60950-1, EN61347-1-13 61347-2-
EMC standards	EN55015, EN55022 class B, EN61000-3-2 class C, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN50204, EN61547



Typical Spectral Distribution



Relative Spectral Distribution

Product Specification

Model #	Power		Luminous Efficacy	Luminaire Design				Packing Box Size (mm)	Weight (gram)
	Rated	System		Type	Trim Size	Height	Cutout Size		
R08142-510W10	10.0W	11.5W	900~1000lm	Single-spot	142 x 142mm	136mm	120 x 120	150 x 150 x 145	900
R08244-510W20	20.0W	23.0W	1800~2000lm	Twin-spot	244 x 142mm	136mm	220 x 120	255 x 150 x 145	1450
R08344-510W30	30.0W	34.5W	2700~3000lm	Tri-spot	344 x 142mm	136mm	320 x 120	355 x 150 x 145	2000

NOTE: The product specification setout herein are subject to change for upgrading of luminous performance at the discretion of SUNTOR TECHNOLOGIES.

