



R100 rectangular LED recessed spotlight

R100 is a large size LED recessed spotlight designed for replacement of CDM-T metal halide lamp. The bidirectional fixture could be of single-spot, twin-spot or tri-spot type. Light source for each spotlight is fitted with 20W high intensity LED module, which could be freely adjusted its casing angle focusing towards the targeted objects.



General Characteristic

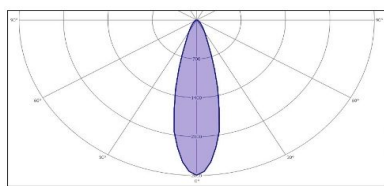
Housing construction	Each LED modules are integrated with a bidirectional aluminum mounting ring fitted to the mild steel framework.
Trim color	Opaque white
Reflector	Cone shape mirror
Rated life span	50000 hours (accumulative)
Ingress protection	IP40
Industrial standard	IEC 62384 / LM-80
Certification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

Light Characteristic

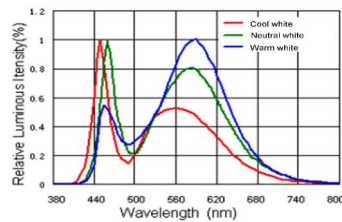
Light source	Luxtrous 520 COB
Color rendering index	Ra ≥ 80
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Luminous efficacy	100 lumen per watt
Beam angle	= 25 degrees
Uniformity (uO)	>0,4
RF interference	Free

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		
R10183-520W20	20.0W	23.0W	1800~2000lm	Single-spot	183 x 183mm	100mm	150 x 150	195 x 186 x 111	1270
R10327-520W40	40.0W	46.0W	3600~4000lm	Twin-spot	327 x 183mm	100mm	295 x 150	340 x 186 x 111	2130
R10464-520W60	60.0W	69.0W	5400~6000lm	Tri-spot	464 x 183mm	100mm	430 x 150	475 x 186 x 111	3210

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

