

510F recessed downlight series

The high intensity luminaire is an architecture lighting designed for high ceiling application. It comprises of various models ranging from 12W to 80W with luminous efficacy of 100~120 LPW. The luminaire is featuring with trim fitted with tilting ring for adjustment of light casting direction. TRIAC or DMX512 protocol dimming function are available.



General Characteristic

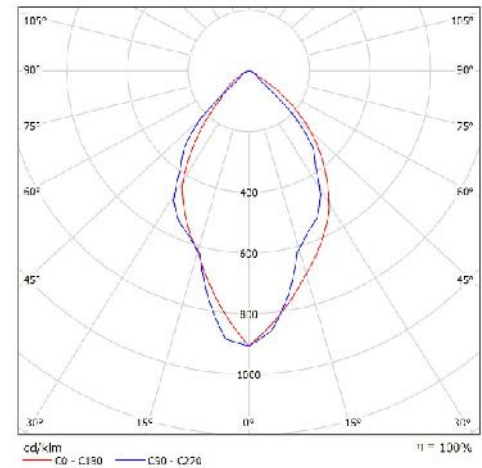
Fixture structure	The fixture composes of light source housing integrated with multi-vane heatsink. The aesthetic design trim is featuring with adjustable casting angle of approximately 20~25 degree.
Reflector	Multifaceted aluminium mirror reflector.
Trim color	Ivory white or customized
Rated life span	50000 hours (L ₇₀ of LM80)
Ingress protection	IP40
Industrial standard	EMC Directive 2004/EC LVD Directive 2006/EC
Certification	CE, RoHS

Light Characteristic

Light source	Bridgelux COB or equivalent
Color rendering index	CRI ≥70 Ra
Color temperature	3200K (K3); 4200K (K4); 5500K (K5)
Luminous efficacy	100~120 lumen per watt
Luminous efficiency	≥90%
Beam angle	25° / 45° / 90° / 110°
Glaring index	UGR ≤20
Standard function	Dimmable and non-dimmable features are available
Common dimming function	TRIAC
Central dimming function	DMX 512 protocol (optional)

Electrical Characteristic

Input voltage	90~265VAC, 50/60Hz
Rated power	40W
LED driver (remote)	Constant current or potentiometer driver
Power factor	≥0.95
Operation temp	-20°C ~+50°C
Overload protection	95%~108% constant current limiting, auto-recovery
Over voltage protection	110%~140% rated output voltage
Operation humidity	95% Rh @ -20°C to 50°C
Wire interface	No polarity
Safety standards	UL60950-1, UL1012, TUV 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



Light intensity distribution

Product Specification

Model #	Power		Lumen	Size mm		Box	Carton	
	Rated	System		luminaire	Cut-out	Size (mm)	Size (mm)	Quantity
51111F-080W012KX	12.0W	12.6W	1200~1440	∅111 x 88	∅80	115 x 115 x 90	480 x 480 x 470	80 pcs
51119F-090W015KX	15.0W	15.8W	1500~1800	∅119 x 103	∅90	115 x 115 x 140	480 x 480 x 470	60 pcs
51119F-090W018KX	18.0W	19.0W	1800~2160	∅119 x 103	∅90	115 x 115 x 140	480 x 480 x 470	60 pcs
51142F-110W030KX	30.0W	31.6W	3000~3600	∅142 x 118	∅110	145 x 145 x 130	600 x 455 x 375	36 pcs
51180F-145W040KX	40.0W	42.1W	4000~4800	∅180 x 128	∅145	215 x 155 x 215	535 x 535 x 440	18 pcs
51180F-145W050KX	50.0W	52.6W	5000~6000	∅180 x 128	∅145	215 x 155 x 215	535 x 535 x 440	18 pcs
51194F-158W060KX	60.0W	63.2W	6000~7200	∅194 x 129	∅158	215 x 155 x 215	535 x 535 x 445	18 pcs
51233F-210W080KX	80.0W	84.2W	8000~9600	∅233 x 169	∅220	245 X 235 X 175	735 X 485 X 370	12 pcs