



# FD9500 Imbedded floor-light

An outdoor floor recessed LED luminaire designed for replacement of halogen or metal halide in similar lighting application. The high intensity LED coupled with effective thermal management system provides excellent aesthetic lighting effect after sunset.



## General Characteristic

Housing structure	The luminaire is composed by three basic components include mainly: (a) polypropylene pre-embedded housing; (b) high-grade metal housing c/w 10mm tempered glass, silicone sealed gasket, stainless steel trim and Ø12mm nickel plated copper wire connector; (c) anti-glaring stainless steel grid cover.
Size overall	Ø265 x 310mm
Size of imbedded hole	≥Ø240mm
Trim color	Stainless steel color
Diffuser	10mm tempered glass
Rated life span	30000 hours (accumulative)
Ingress protection	IP67
Industrial standard	IEC 62384 / LM-80
Certification	CE, RoHS, FCC



Picture on left is the night scene of B9551-1935 imbedded floor-light.

## Light Characteristic

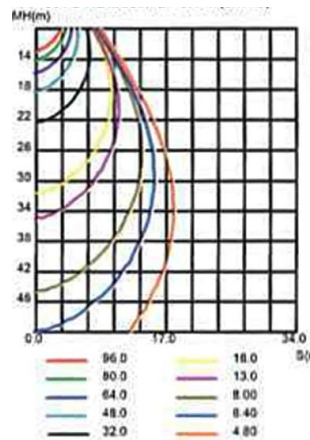
Light source	LUSTROUS L520 COB
Color rendering index	CRI ≥85 Ra
Color temperature	3200K (K3); 4200K (K4); 6500K (K5)
Luminous efficacy	1700 lumen (warm white) 1900 lumen (neutral white) 2350 lumen (cold white)
Luminous efficacy	100 lumen per watt (cold white)
Beam angle	30 degrees (without reflector) 60 degrees (with reflector)
RF interference	Free



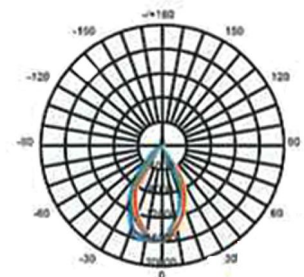
Picture on right exhibits outdoor installation of B9551-1935 imbedded floor-light c/w anti-glare grid cover.

## Electrical Characteristic

Input power	100~240VAC, 50/60Hz
Constant voltage	700mA
Output voltage range	21~32Vdc
Power	Model B9551-1935W20: 20W Model B9551-1935W30: 30W
Power factor	≥0.9
Ripple & noise (max)	3Vp-p
Line regulation	±3%
Load regulation	±5%
Operation temperature	-20°C ~+40°C full load
Storage temperature	-20°C ~+80°C / 10% ~95% Rh
Operation humidity	20% ~95% Rh non-condensing
Vibration frequency	5 ~50 Hz
Safety standard	TUV/CE-EN61347/EN55015



CO Plane ISOLUX Diagram (Unit 1x)



Spectral Distribution