



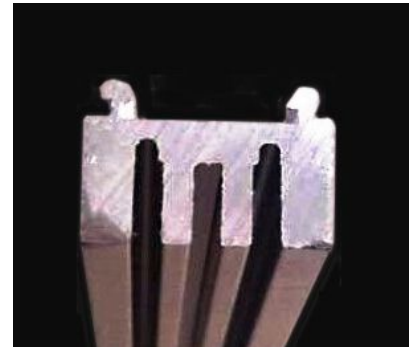
M1711 orthoscopic LED strip

M1710 orthoscopic LED strip is a high intensity luminaire designed as backlight for signboard applications. The effective luminous efficacy is 40% higher than that of T5 and T8 fluorescent lamp. Thus, it could be fitted on the inner edges of the slim-line light box framework. Light ray casting towards the center of the display panel from inside of the light box would be evenly distributed without facular region.



General Characteristic

Construction	The unit is composed by proprietary aluminium profile fitted with high intensity LED chips coupled with optical grade polycarbonate diffuser.
Sectional size	17.0 x 11.6mm (width x height)
Length	Available in 30, 60 and 90cm (or customized)
Rated life span	50000 hours (accumulative)
Ingress protection	IP65
Industrial standard	IEC 62384 / LM-80 compliant
Certification	CE, RoHS, FCC compliant
Operation temp	-20°C ~ +40°C
Operation humidity	95% Rh
Installation	High-tensile stainless steel mounting clips



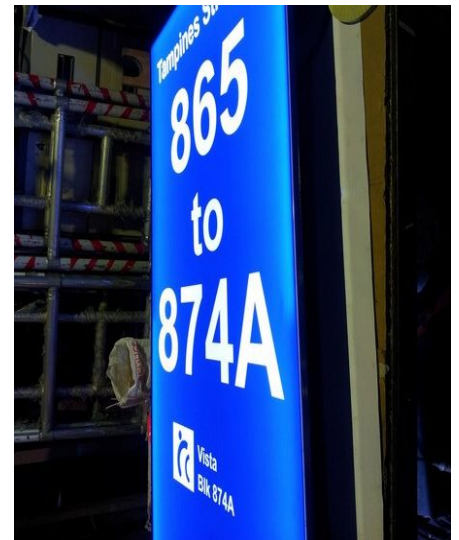
Sectional view of the proprietary housing of 1711orthoscopic LED strip.

Light Characteristic

Light source	SMD2835 high intensity LED chips
Color rendering index	Ra ≥80
Color temperature	3200K (K3); 4200K (K4); 5500K (K5); 6000K (K6)
Luminous efficacy	≥150 lumen per watt
Beam angle	120 degrees

Electrical Characteristic

AC power input (external driver)	165~264VAC, 50/60Hz, constant current
AC current	15A @230V (max)
DC voltage range	25 to 36V
DC current	770mA ±6%
Ingress protection rating	IP65 compliant
Power factor	PF = 0.93
Short circuit protection	Hiccup mode, automatic recover after default
Operating temperature	-20°C~ +40°C ambient operating in full load
Operating humanity	20~90% RH non-condensing
Safety standard	EN61347-1, EN61347-2-13 compliant
EMC standard	EN55015, EN61000+4-3, EN61547 compliant
Ripple & noise	4.8Vp-p (max)
Housing material	Heat resistant plastic fully isolated



Luminous performance image of backlight

Product Specification

Model No.	Power	Lumen	OA Size (mm)
M171030-048W09	7.7W	864~960	17.0 x 11.6 x 300
M171060-096W19	15.4W	1728~1920	17.0 x 11.6 x 600
M171090-144W23	23.4W	2592~2880	17.0 x 11.6 x 900
M171120-192W38	30.7W	3456~2880	17.0 x 11.6 x 1200

