

SM90UB LED STREET LIGHT UNDER BRIDGE

WORLDWIDE POWERED

ACTIVE POWER FACTOR CORRECTION (PFC)

ADAPTIVE ROTATION INSTALLATION FRAME, RETROFIT WISE

LEDs – 160 LM/W

ASYMMETRIC LENSES

ZERO LIGHT POLLUTION

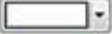




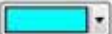



SIDE POSITION FOR NOT LIMITING HEIGHT OF VEHICLES

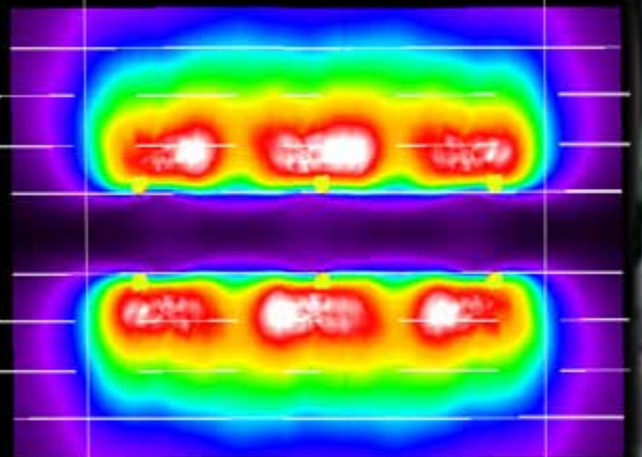
AUTOMATIC ECONOMY LATE NIGHT DIMMING *

SM90UB

- HIGH ENERGY EFFICIENCY
- NO MAINTENANCE COSTS
- LONG LIFECYCLE
- HIGH QUALITY AREA ILLUMINATION
- ERGONOMICAL – CLOSE TO NATURAL LIGHT
- ECOLOGICAL – MERCURY AND LEAD FREE

False Colours illuminances

	48 lx
	42 lx
	36 lx
	30 lx
	24 lx
	18 lx
	12 lx
	6 lx
	0 lx



SM 90UB



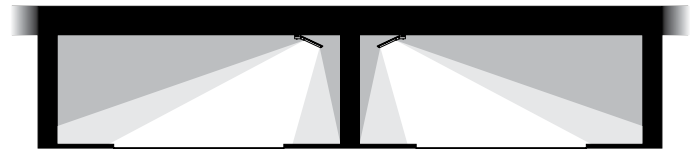
SPECIFICATIONS

AC Input Voltage	90 ÷ 305 V AC
DC Input Voltage	127 ÷ 431 V DC
Mains Frequency	47 ÷ 63 Hz
Power Factor (PF) at 230 V	min 95 %
Power Factor (PF) at 115 V	min 98 %
LED Power Dissipation	87.1 W
Power Efficiency	89 %
Total Power Dissipation	97.5 W
LED Light Output	160 lm/W
Current Efficiency	80 %
LED Luminous Flux	11 216 lm
Junction Temperature at Ta = 25°C	70°C
Thermal Efficiency	91 %
Lens Efficiency	92 %
Real Luminaire Efficacy (LER)	96 lm/W
Color Rendering Index (CRI)	65 ÷ 80
Real Lamp Luminous Flux for:	
Cool White (CRI 65)	9 390 lm
Neutral White (CRI 75)	8 710 lm
Warm White (CRI 80)	7 370 lm
Zero Light Pollution	0 cd at 90°
Operating Temperature	- 40° ÷ +45°C
Operating Humidity	10 ÷ 95 % RH
Lifespan L70	> 160 000 h
Ingress protection rating	IP 65
Electrical Safety Class	Class II
Polycarbonate optical cover	optional

Under Bridge

L = 12 m; H = 6 m; b = 25°

- L – Distance between the light sources
- H – Height of the light source above the ground
- b – Luminaire tilt angle



MECHANICAL CONSTRUCTION

Marine Grade Aluminium Alloy Body	
Stainless Steel Rotation Mechanism	115° (- 90° ÷ +15°)
Installation Diameter	ø 42 ÷ ø 76 mm
Dimensions	750 x 180 x 80 mm
Weight	5,5 kg

- * OPTIONAL Late night dimming:
 50 % illuminance decreasing after 4 hours till 1 h before dawn;
 Optional illuminance decreasing – 20 ÷ 90 %;
 Optional dimming start – 2 ÷ 8 hours;
 Optional dimming stop – 0.5 ÷ 3 h before dawn.

C E EN61000-6-3:1997, EN61000-6-1:1997
 Quality Assurance ISO 9001:2000; AQAP 2110



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