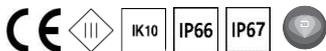


MATREX DC DYNAMIC

MAIN CHARACTERISTICS

Applications	Grazing Street lighting
Optic	<p>Dynamic layer optic: Multi-micro-optics architecture based on a metallized reflector and multi-channel control of the LED source with on-site dynamic adjustment</p> <p>Symmetrical Optic for street lighting: wide, medium, narrow Counterbeam Optic (right or left) for street lighting. Pro-Beam Optic (right or left) for street lighting. Optical variants: performance, low glare, plus</p> <p>Colour temperature: 4000K, 3000K (others in option) CRI ≥ 70 Optional: Tunable White, additional decorative RGBW module.</p>
Max Lumen output	2670lm
Insulation class	III
Protection degree	IP66/IP67 IK10 total
Dimensions	See the drawing
Weight	max 1kg
Mounting	<p>Minimum installation height 0.5m Fixing options: on road guardrails (without modifying the structure), safety barrier, recessed mounting. See detail in the dedicated sections</p>
Inclination	<p>Screw fixing on guardrail: 0° ÷ -10° Fixing the clamp on the guardrail: -10° ÷ +10° Fixing on concrete support: -10° ÷ +15°</p>
Pan	<p>Screw fixing on guardrail: ±2.5° Fixing the clamp on the guardrail: ±10° Fixing on concrete support: ±10°</p>
Power Supply	<p>External power supply 230Vac/48Vdc, to be installed in a separate box. No.1 power supply per group of appliances</p>
Operating temp.	-40°C / +50°C
Storage temp	-40°C / +80°C
Main reference standards	<p>EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3</p>

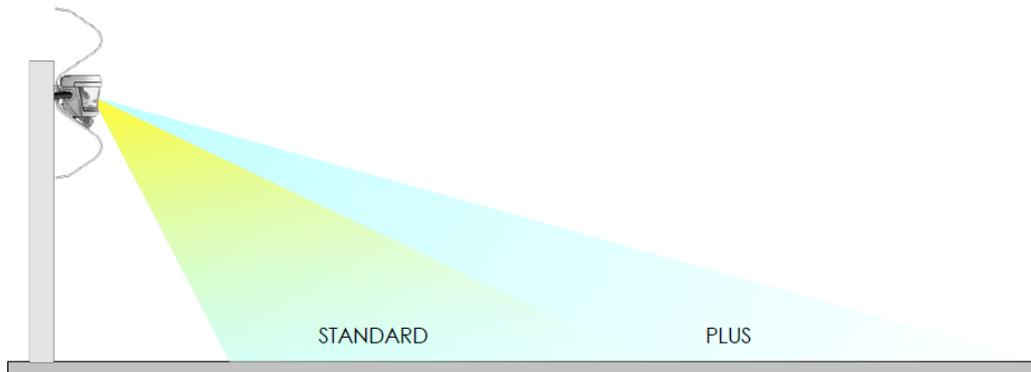
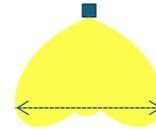
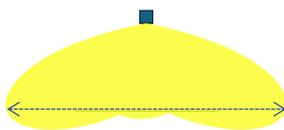
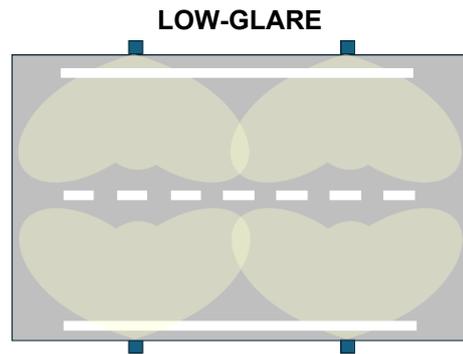
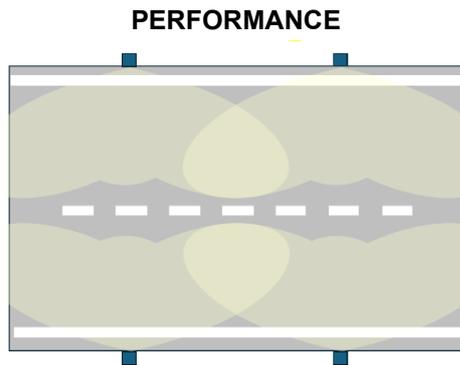
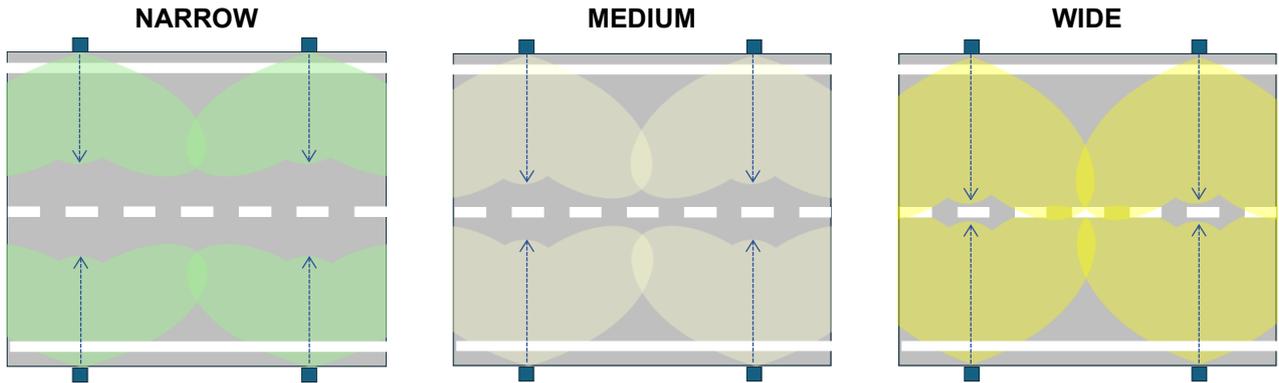


ELECTRICAL CHARACTERISTICS

Rated voltage	48Vdc +10% / -15%
Max consumption	25W @48Vdc. Excluding plant losses
Connection	<p>Integrated cable: F-DA-CASAMBI: H07RN-F, 2 x 1.5mm² DMX-RDM: Hybrid cable (see dedicated section)</p> <p>L=1.5m (Other lengths on request)</p> <p>Optional: IP66/68 M connector</p>
Control system	<p>F: Fixed power not dimmable DA: Integrated automatic dimming (virtual midnight) with default profile. DMX-RDM: integrated DMX-RDM digital control interface. CASAMBI: Integrated wireless module for remote control.</p>
Optical configuration	Factory preconfigured and field configurable (NFC, CASAMBI, DMX)
Profile configuration DA	Factory and field configurable (NFC, CASAMBI, DMX)
Optical unit lifetime (Tq=25°C)	<p>>100.000hr L90B10 >100.000hr L90, TM-21</p>

MATERIALS	
Body	Die-cast aluminium UNI EN1706. Powder coated with very low copper content.
Fixing Bracket	Stainless steel AISI 316L
Optic	Polycarbonate, metalized with high-efficiency aluminium
Screen	Polycarbonate, protected from UV rays. Scratch-resistant and weather-resistant.
Cable gland	Metallic - IP68
Gasket	Moulded Silicone
Colour	Graphite - Cod. 01

AVAILABLE OPTICS



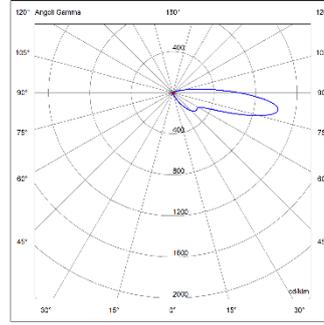
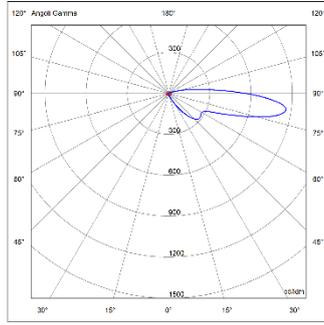
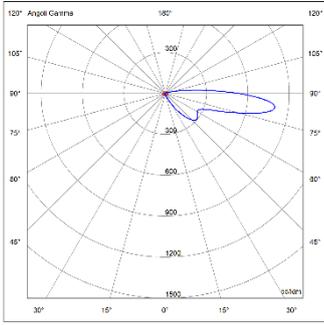
Ideal For Micro-Adjustments In The Field

PHOTOMETRICAL DISTRIBUTION

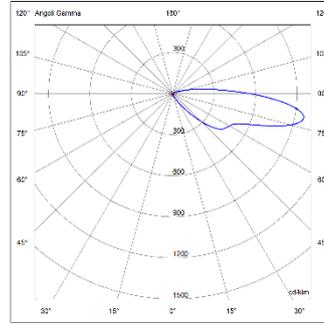
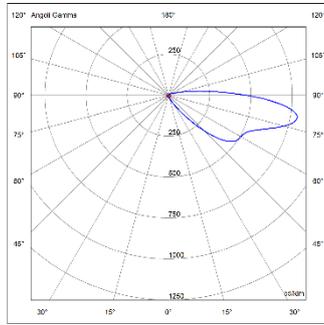
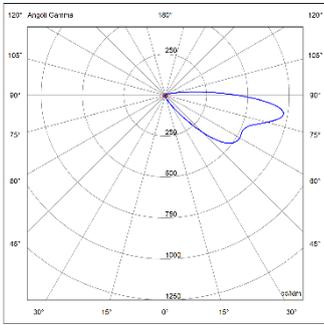
NARROW

MEDIUM

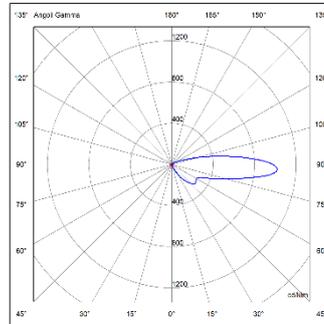
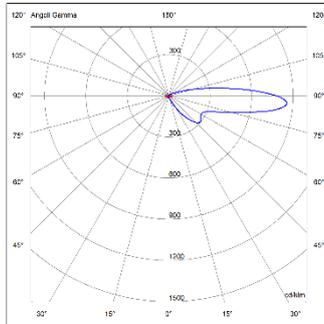
WIDE



STANDARD

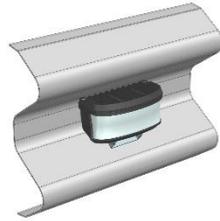
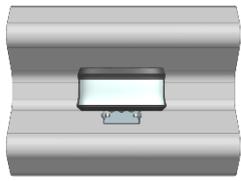


LOW GLARE



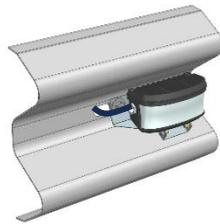
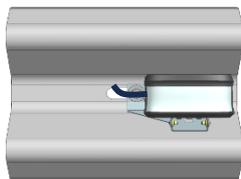
PLUS

INSTALLATION ON GUARD-RAIL



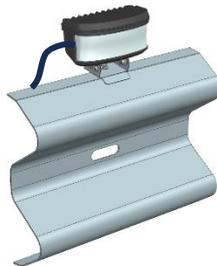
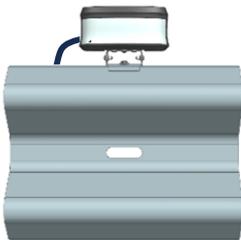
*Central mounting
on guardrail*

*Cable entry
rear*



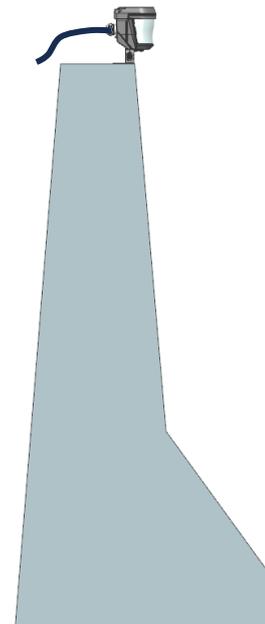
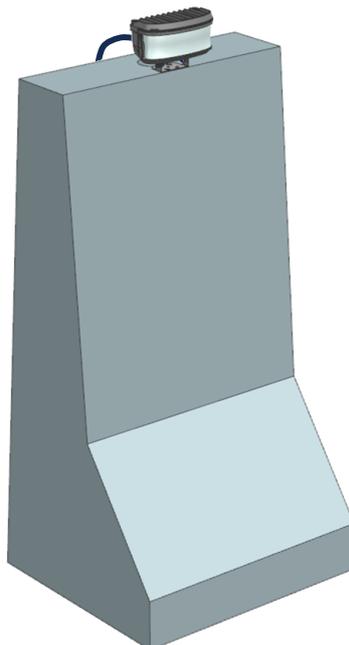
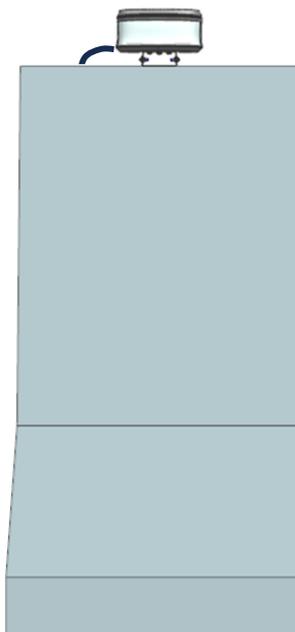
*Central mounting
on guardrail*

*Cable entry
lateral*

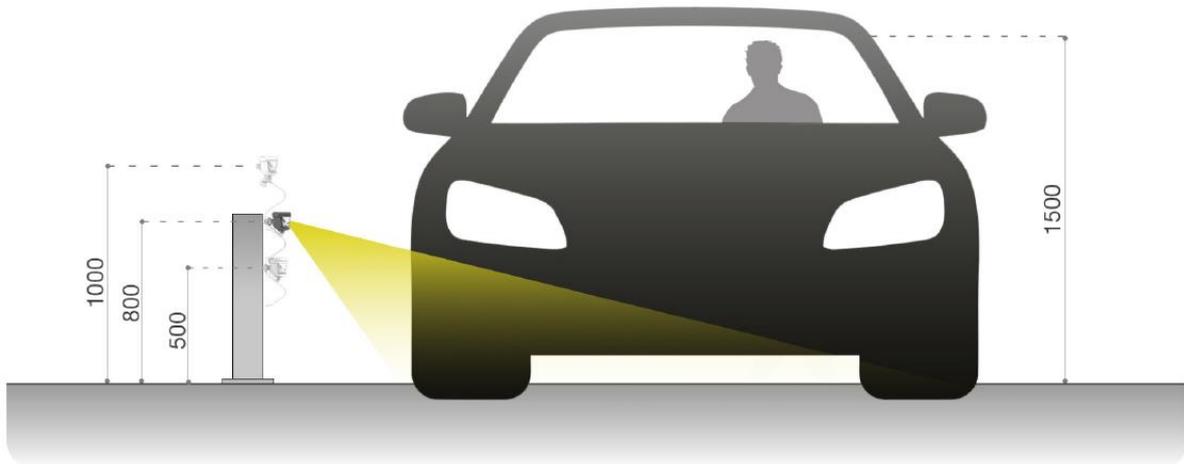


*Upper mounting
on guardrail*

SAFETY BARRIER INSTALLATION



TYPICAL HEIGHT OF MOUNTING

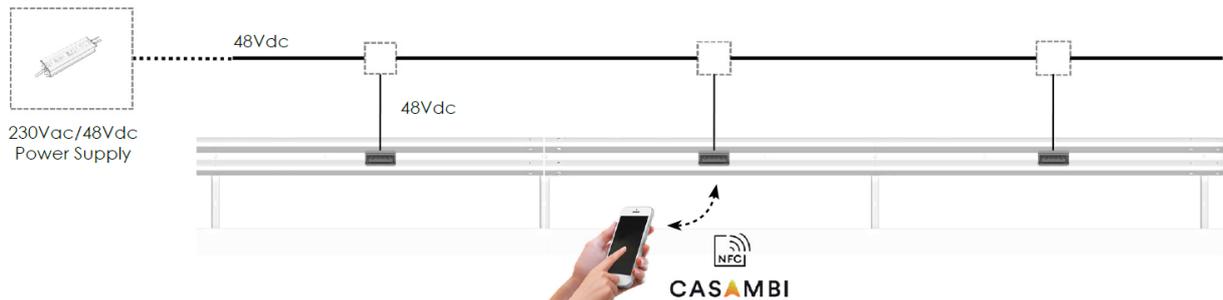


URBAN INSTALLATION



EXAMPLE OF CONNECTION

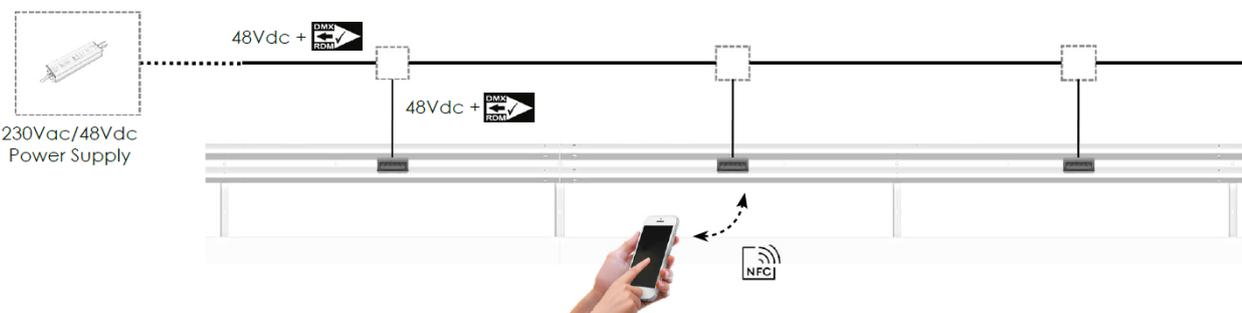
Scheme for version FIXED | DIM-AUTO | CASAMBI



NOTES:

The sizing of the 48Vdc power supply is defined by AEC.
 The 48Vdc power supply must be enclosed in a separate box.

Scheme for version DMX-RDM



NOTES:

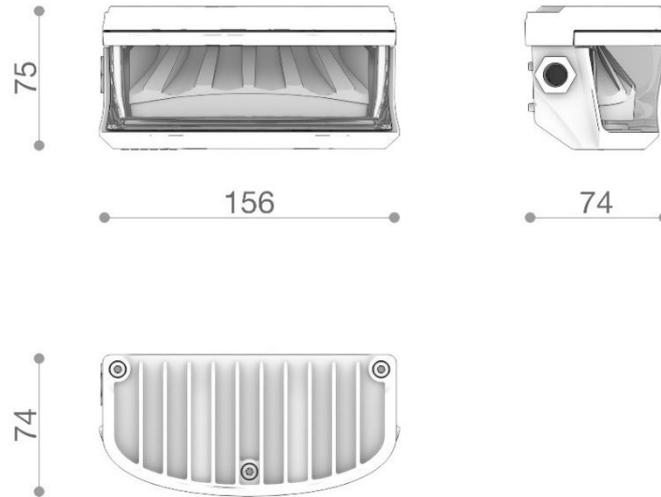
The sizing of the 48Vdc power supply is defined by AEC.
 The 48Vdc power supply must be enclosed in a separate box.

Detail Integrated cable (Version DMX-RDM)

CARATTERISTICHE ELETTRICHE		IMMAGINE
Type	LiH(2YCH)11Y	
Operating voltage	450Vac / 750Vac	
Maximum current flow rate	15A	
Operating temperature	-40°C / +70°C	
Sheath color	Black	
Smoke emission	LS0H (Low-Smoke Zero Halogen)	
External diameter	11.2 ± 0.3mm	
Cable Section	DMX: 2x0,35 mm ² + shield Mains: 2x1.5mm ² (CL.II) 3x1.5mm ² (CL.I)	
Bending radius	12xD	

DIMENSIONAL DRAWING

LATERAL CABLE INPUT



REAR CABLE INPUT

