



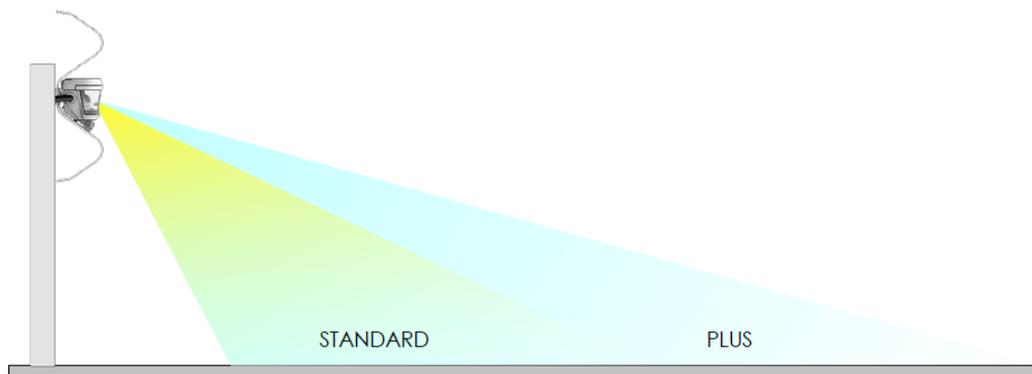
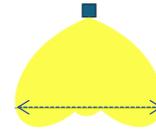
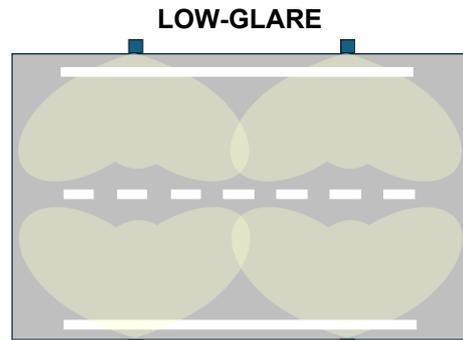
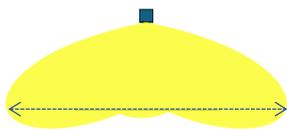
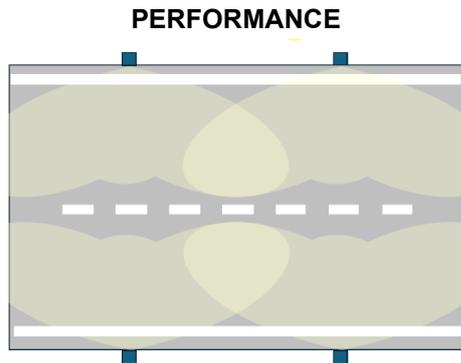
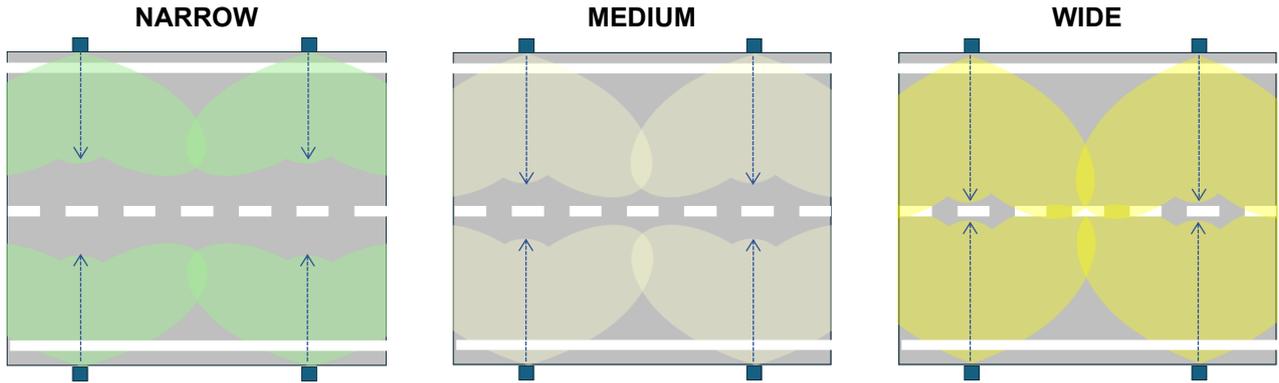
## MATREX AC

### MAIN CHARACTERISTICS

<b>Applications</b>	Grazing Street lighting
<b>Optic</b>	<p>Layer optic: multiple micro-optical architecture based on metallized reflector and multi-channel led source control.</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</p>
<b>Max Lumen output</b>	2750lm
<b>Insulation class</b>	II
<b>Protection degree</b>	IP66/IP67   IK10 total
<b>Dimensions</b>	See the drawing
<b>Weight</b>	max 1kg
<b>Mounting</b>	<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>
<b>Inclination</b>	<p>Screw fixing on guardrail: 0° ÷ -10° Fixing the clamp on the guardrail: -10° ÷ +10° Fixing on concrete support: -10° ÷ +15°</p>
<b>Pan</b>	<p>Screw fixing on guardrail: ±2.5° Fixing the clamp on the guardrail: ±10° Fixing on concrete support: ±10°</p>
<b>Power Supply</b>	LED Driver 230V external constant current, to be installed in a separate IP box (not included). N. 1 LED driver for single appliance.
<b>Operating temp.</b>	-40°C / +50°C
<b>Storage temp</b>	-40°C / +80°C
<b>Main reference standards</b>	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN-61000-3-3
   	
<b>ELECTRICAL CHARACTERISTICS</b>	
<b>Rated voltage</b>	External power supply 220-240V 50/60hz constant current.
<b>Max consumption</b>	24W including secondary AC power supply leaks.
<b>Connection</b>	Integrated cable 3x1.5mm <sup>2</sup>   Length=1.5m (other lengths upon request) Optional: IP66/68 M connector.
<b>Control system</b>	<p>Depending on the characteristics of the external power supply:</p> <p>F: Fixed power not dimmable DA: Integrated automatic dimming (virtual midnight) with default profile. DALI / D4i : Digital dimming interface DALI /D4i</p>
<b>Optical configuration</b>	Preconfigured in the factory.
<b>Profile configuration DA</b>	Factory and field configurable (NFC).
<b>Optical unit lifetime (T<sub>q</sub>=25°C)</b>	<p>&gt;100.000hr L90B10 &gt;100.000hr L90, TM-21</p>

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

**AVAILABLE OPTICS**



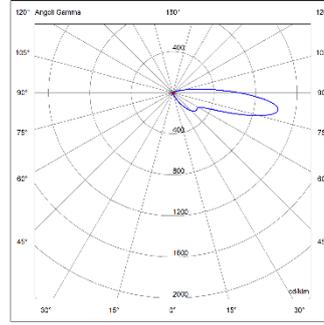
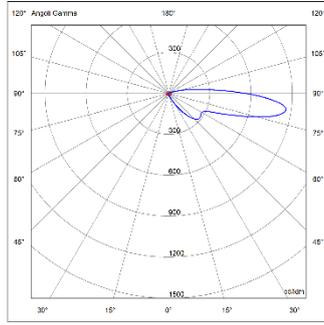
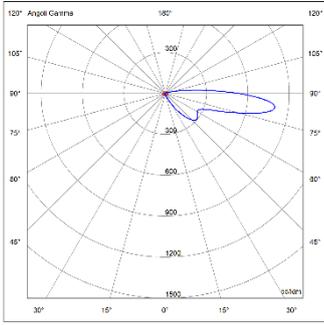
*Ideal For Micro-Adjustments In The Field*

PHOTOMETRICAL DISTRIBUTION

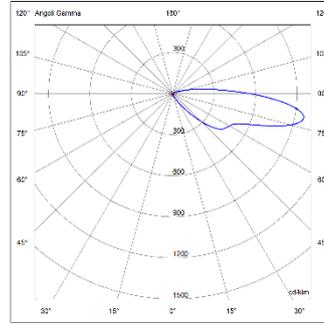
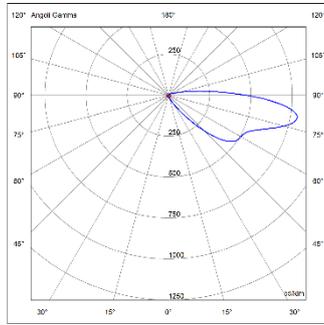
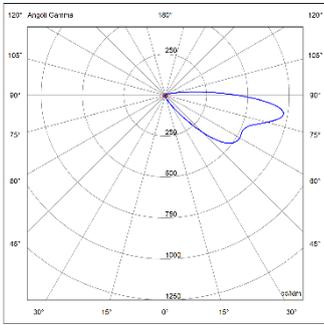
NARROW

MEDIUM

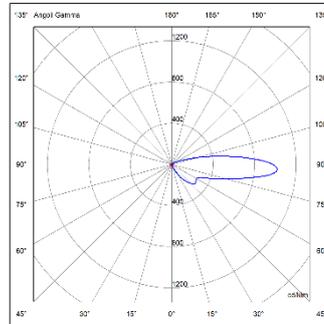
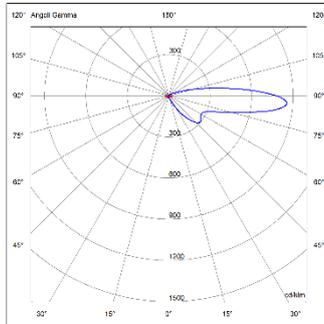
WIDE



STANDARD

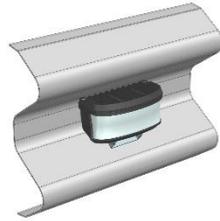
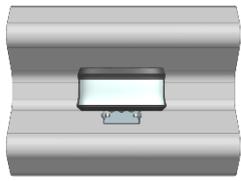


LOW GLARE



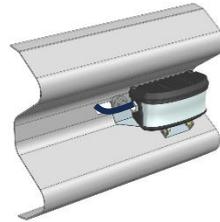
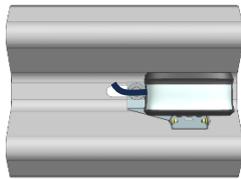
PLUS

**INSTALLATION ON GUARD-RAIL**



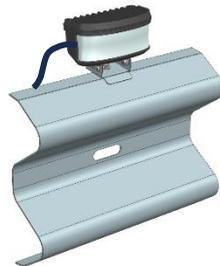
*Central mounting  
on guardrail*

*Cable entry  
rear*



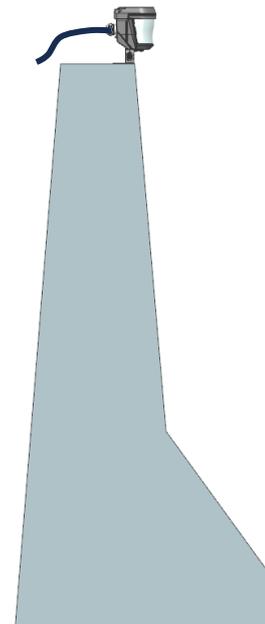
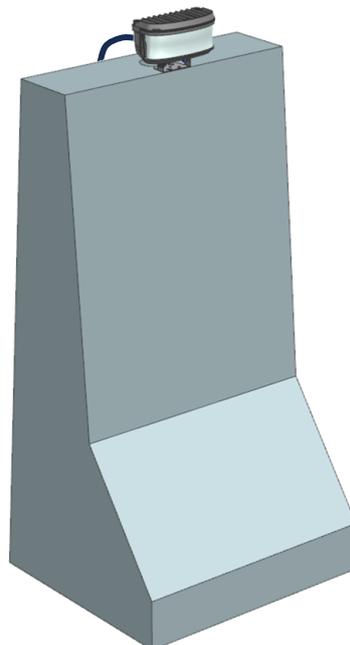
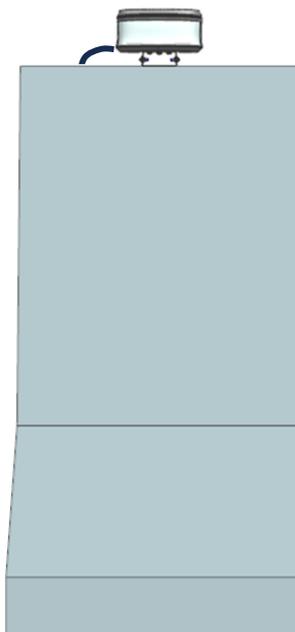
*Central mounting  
on guardrail*

*Cable entry  
lateral*

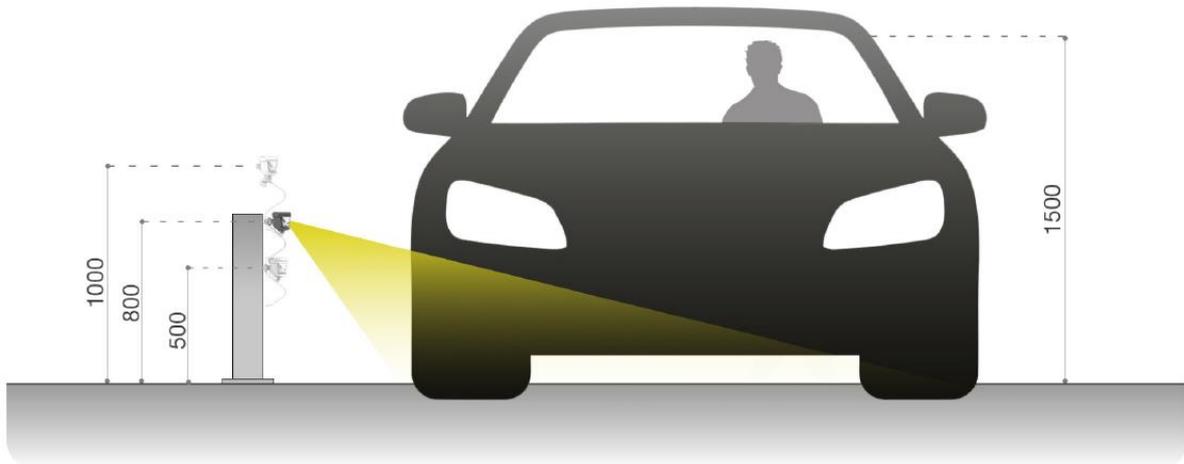


*Upper mounting  
on guardrail*

**SAFETY BARRIER INSTALLATION**



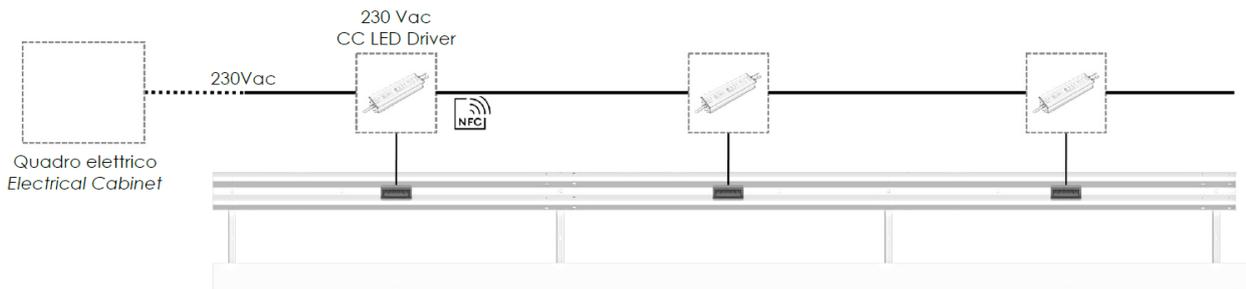
### TYPICAL MOUNTING HEIGHT



### URBAN INSTALLATION



**EXAMPLE OF CONNECTION**



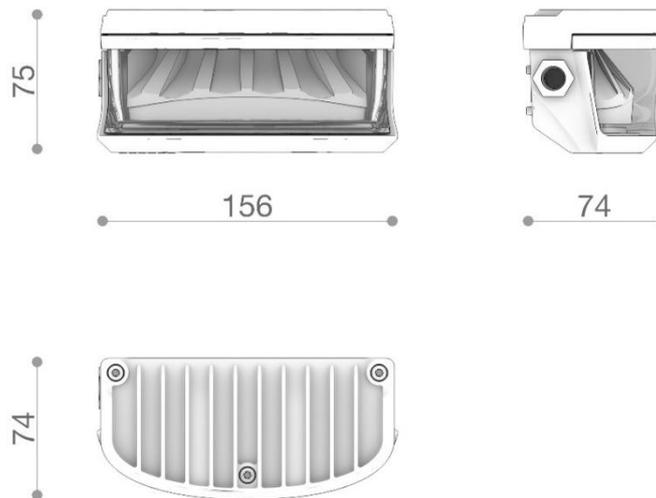
**NOTES:**

The sizing of the 230V constant current LED Driver is defined by AEC.

The constant current power supply must be enclosed in a separate IP box (not included).

**DIMENSIONAL DRAWING**

**LATERAL CABLE INPUT**



**REAR CABLE INPUT**

