THE NEW LIGHT PETRARCA

Petrarca's lighting solutions maximise energy saving thanks to the new system of total reflection.

Arianna's patent on total reflection, registered in 2008, is recognised today on an international level, also acknowledged in America and China.

This system uses an internal reflector in the luminaire that perfectly matches the rays of LED light and uniformly directs them to the ground. With the LED being hidden the glare is considerably reduced.

Visual comfort and energy saving are the most striking results of total reflection.



For the very first time the emissions for each single LED are channelled through one internal reflector and projected on to the ground.

MODULARITY

2,000 and 150,000 lumens: the necessary light needed to illuminate any large area with high efficiency, uniformity and visual comfort.





Die-cast aluminum body EN AB 44300 Single module weight 4kg





Color rendering index from 70 to 90 Color temperature 57000K



SPORTS FACILITIES

LED and specific configuration for minimal dispersion allows the **Petrarca** system to ensure maximum energy saving, high visual comfort and low maintenance.

The system uses the exact amount of energy needed: for training, competitions or even for partial use of the pitch or court. The thermal study reduces the heat emissions and guarantees a long lasting system with little maintenance.

The total reflection applied to the optics of **Petrarca** ensure zero glare on the game.

Visual comfort, security and high overall energy saving values are the strong points of the

Total reflection in airports, interports, ports and car parks guarantees the maximum quality of light for workers and people, completely eliminating glare and exposing all areas to the

The thermal study reduces heat emissions and guarantees a long lasting system avoiding

For large or small structures: hugely energy saving, super visual comfort and low maintenance.





For a uniform amount of lighting and big savings in consumption and maintenance.











TUNNEL LIGHTING

LARGE AREAS

light.

Petrarca system for large areas.

additional and costly maintenance.

In Arianna's tunnel lighting project, **Petrarca** projectors provide a new solution for efficiency, visual comfort, low maintenance and management.

Low and competitive costs, **Petrarca** has a studied design in order to optimise heat transfer: symmetrical optics and reflection ensure visual comfort **for the whole tunnel**; **in the entrance** the counter beam flux optics and total reflection guarantee both the control of glare and avoid dispersion so simultaneously guaranteeing low TCO.

Great technology in small body for tunnel entrance, adaptation and interior.







Asymmetrical optic





Modular and efficient floodlight with very high field efficacy.

- Patented reflection optics
- Innovative aerodynamic thermal project
- Compact and modular projector
- Intended for several lighting functions and for multiple TCO needs





The LED solution that increases **energy saving** in tunnels, large areas and sports structures.



From lighting project to configured lighting system.

Artificial Lighting has never been so **efficient** and fascinating

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PETRARCA Total Reflection

Lighting Solutions

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