

THORN

Dyana LED

A stylish and efficient road lantern using LED technology



An exciting addition to the urban landscape

Dyana has been designed to be unobtrusive by day and effective at night



Patented optics

Patented technological concept.
Improved control of light output for maximum system efficiency (utilisation factor):

- longitudinal light distribution through a combination of LEDs and lenses
- transverse light distribution through a set of reflectors.

Reduced glare: ULOR = 0% with side entry and post-top mounting.
Multiple wiring of LEDs on separate circuits means that the light distribution is not affected in the event of partial failure.
Balanced road lighting photometrics.

Benefits of LEDs

Long lasting

The service life of LEDs (Light Emitting Diodes) exceeds 50,000 hours.

Reliability

Because they are electronic components, LEDs are more reliable than traditional lamps.

Maintenance

Less frequent maintenance visits are needed to keep lamps working efficiently, which means costs are reduced.

Energy efficient

LED technology for energy efficiency.

Environmental impact

The long life of LEDs does away with the need for maintenance visits and lamp replacements. This means a significant saving of time and money (no maintenance visits or call-outs, and therefore lower carbon footprint)

New lighting possibilities

The size of LEDs affects luminaire construction (shape, design, lens) enabling a much slimmer luminaire design.

Applications

- Streets
- Building surrounds
- Car Parks
- Cycle paths
- Pedestrian areas



Product features

Lamps

- 3000lm version = 36 LED
Consumption = 45W max.
- 5000lm version = 60 LED
Consumption = 75W max.
Service life > 50,000 hours with
Ta = 25°C and 80% flux.
Colour temperature: 4200K.
CRI > 75.

LED power supply: 350mA.
The LED housing is cooled
through passive dissipation.
The finned metal heat sink
dissipates the energy generated
by the LED light sources.

Materials/Finish

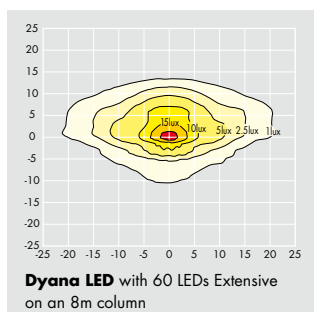
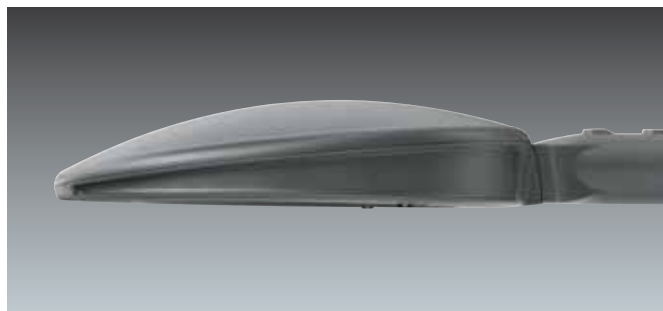
Body and spigot: die-cast
aluminium, textured anthracite
finish (Akzo 900).
Canopy: spun aluminium, textured
anthracite finish (Akzo 900)
Flat glass cover: 5mm thick
toughened glass.
Gasket: silicon

Installation/Mounting

Side-entry mounting
Ø 60 mm, tilt = 0°
Post-top mounting
Ø 60 mm, tilt = 10°
End cap secured by
2 screws and 2 bolts
Slim section:
only 110mm thick
Supplied complete and ready
to install, in a single box.
Weight: 12kg

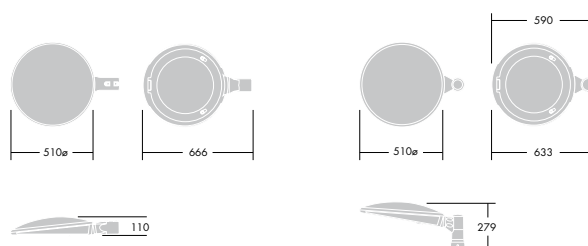
Standards

Designed and manufactured to
comply with
AS/NZS 60598
☐ Class II electrical
IK10
◆ IP66 CE



Ordering Guide

SAP description	SAP Code
MLE - Side-entry versions	
DYANA 36 LED CL2 MLE EXT	96256970
DYANA 60 LED CL2 MLE EXT	96256972
MTP - Versions "Post-top"	
DYANA 36 LED CL2 MTP EXT	96257064
DYANA 60 LED CL2 MTP EXT	96257066

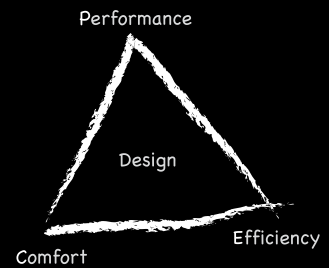


Side-entry mounting Windage : 0.03m²

Post-top mounting Windage : 0.02m²

Performance, Efficiency and Comfort (PEC) – for a better lit environment

Dyana LED evokes the spirit of Thorn Lighting's dynamic, results-orientated PEC programme



Performance

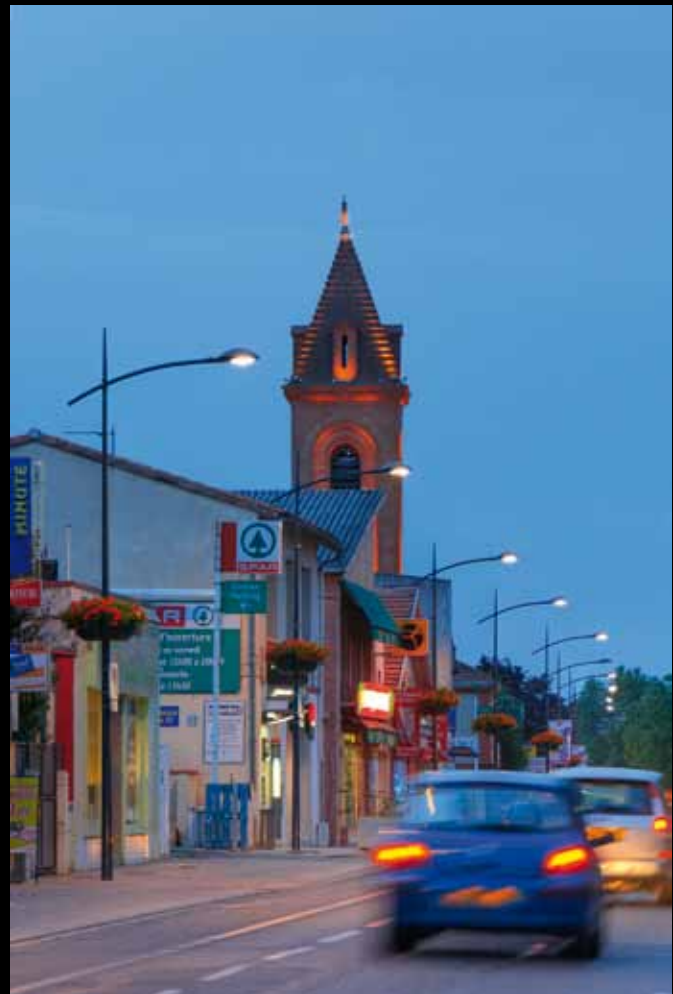
- Providing the best visual effectiveness
- Choice of 2 versions: 3000lm and 5000lm
- Patented optical system to enhance light distribution and reduce glare.
- Dyana LED provides effective lighting for many outdoor applications

Efficiency

- High frequency control gear to reduce energy consumption
- Through its combination of lenses and reflectors, Dyana optimises the light output from the LEDs and directs it towards the road
- Installation identical to that of Dyana
- Recyclable die-cast aluminium body which complies with RoHs requirements
- Integrated LED module with a life span >50,000 hours.

Comfort

- Dyana offers precise control of the light distribution and diffuses glare-free light for a more pleasant urban environment.
- Suits a wide range of applications: Pedestrian areas, Cycle paths and Car parks
- Aesthetic integration by day and by night
- Low maintenance



THORN

Lighting people and places

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