

# Parking lot<sup>1)</sup> – Application Case

## Application requirements

Target application:	Parking lot
Target dimensions:	W 50m; L 50m
Luminaire requirements:	H 6m; Pole distance 25m
Illuminance requirements:	$E_{avg}$ 5lux; $E_{min}/E_{avg} \geq 0.4$

## CA12050-Strada-FT-Tape<sup>2)</sup>

Optimal for Optical design

- Asymmetric light distribution
- Over 90% optical efficiency
- Low glare

Optimal mechanical design

- Environmental sealing possible
- Double sided tape

Modular design for parking lots

- Modules turned with 90° intervals
- 2 modules for corners
- 3 modules for edges
- 4 modules for middle

## Results with example lens

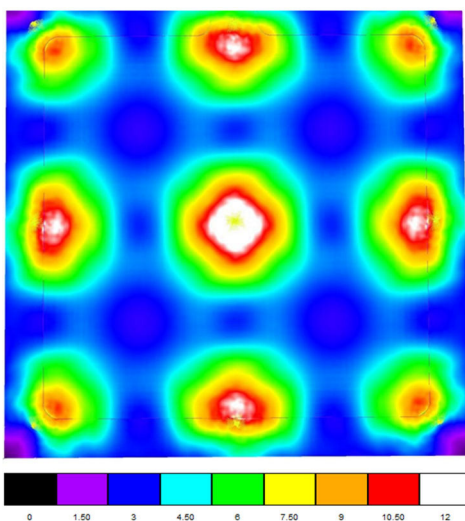
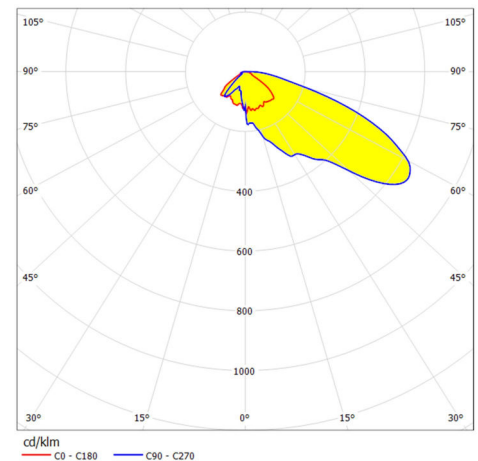
LED output per luminaire module: 1000 lumen

Total lumen output of the setup: 24000 lumen

Number of modules in luminaire: 2-4

Average illuminance: over 5lux

Uniformity of illuminance: 0.4



1) Parking lot refers to an outdoor parking area.

2) Lens specified in the example is not the only solution for specified application. LEDIL offers other lenses also suitable for the application.