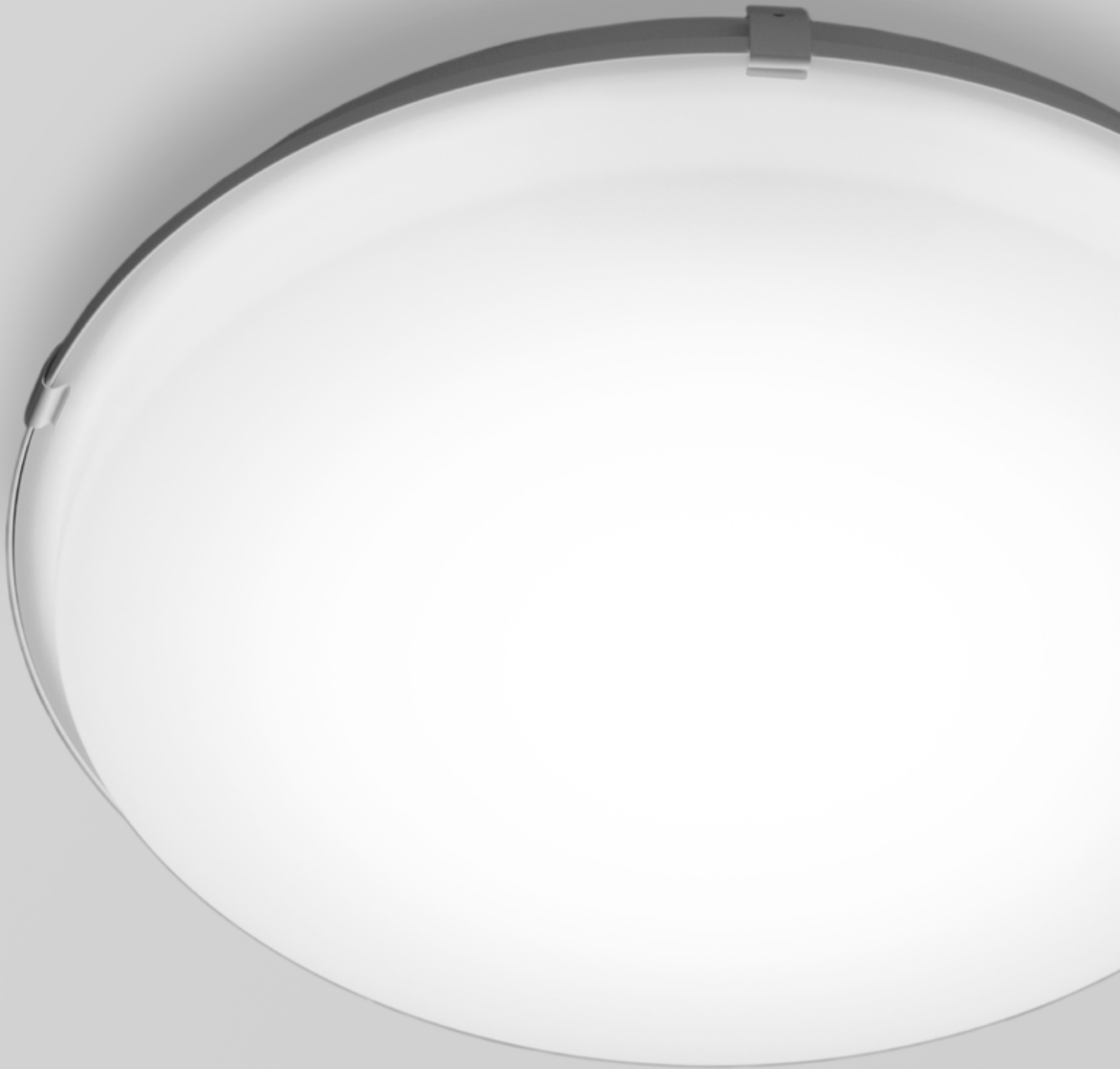


PARCARE

A functional and stylish lighting concept



FAGERHULT





Parcare


Parcare is a completely new, LED-based concept for car parks and garages. This space-creating combination, comprising a ceiling luminaire and a wallwasher, contributes to a pleasant environment and increased feeling of safety.

The ceiling luminaire operates as a light well, much like a skylight or source of daylight. The wallwasher is mounted in the ceiling and distributes light across the walls. In this way the room is more clearly defined and feels lighter and more welcoming. It also makes it easier to spot incidents and other people in the car park.

Increased feeling of safety

Light on ceiling and walls results in a brighter garage, where lit walls gives light also between and behind parked cars. No dark areas gives the visitor a clear perception of the room.





Functional and stylish

A carefully thought-out design combines a high IP rating and functional design with a welcoming and stylish concept.

Energy savings

Utilising the DALI system and presence detectors it is possible to save up to 72 % of the energy consumption, while using twice as many luminaires as in a traditional garage solution.



How the Parcare concept works



Absence:

Basic light level 10 % from Parcare Wallwasher for safety and room orientation before detecting.
Parcare Ceiling 0 %.



Presence detected:

During presence, 100 % on all luminaires. The lighting concept provides a welcoming environment.
The ambient light creates a lighter room.
LED also enables shorter cycles in “light on” mode.



After last presence detection:

No motions detected, 10 % for both Parcare Wallwasher and Parcare Ceiling.
If motion is detected, the light level is quickly back to 100 %.



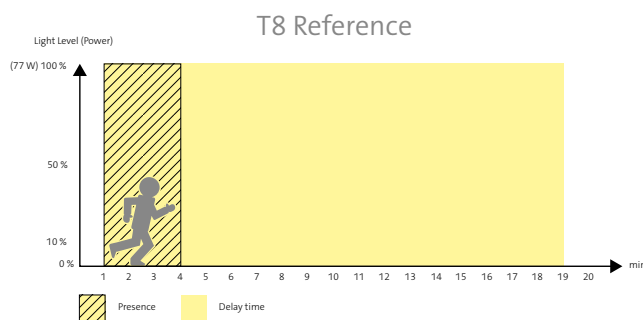
Five minutes after detection:

After 5 minutes, Parcare Ceiling 0 %.
Parcare Wallwasher basic light level 10 %.

Energy saving with DALI

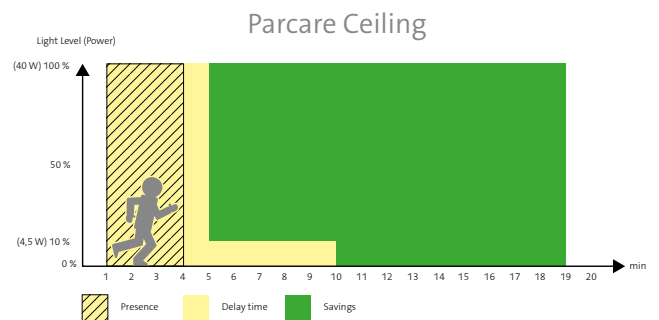
Using dimmable luminaires ensures the light is targeted in the right place, at the right time and at the right intensity. A combination of LED luminaires and light sensors enable great energy savings.

In comparison to a T8 solution, the Parcare concept can save a significant amount of energy consumption.



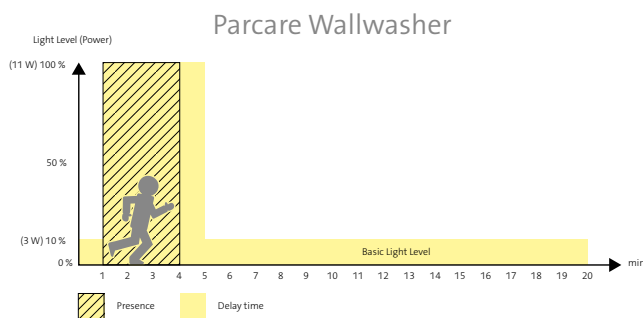
T8

is lit longer after detection (and don't light up directly).



Parcare Ceiling

lights up directly – low level after detection – off. LED enables shorter cycles in “light on” mode.



Parcare Wallwasher

– on low level in absence mode – high level at detection – back to low level. LED enables shorter cycles in “light on” mode.

Parcare compared

Installation examples below show Life cycle cost (LCC) calculations for a garage housing 35 cars. Lighting control with external sensors, controlled with DALI.

Use the LCC programme at our website to compare different solutions and also check the benefits of adding a control system by taking daylight-occupancy and constant illuminance into account.



T8

Traditional garage solution with T8

19 luminaires

Fittings c/c 5.0 m – 75 lx

Life Cycle Cost (20 years): 152 450 SEK



Parcare concept

Garage with Parcare concept

18 Parcare Ceiling, 20 Parcare Wallwasher

90 lx – perceived as much brighter

Life Cycle Cost (20 years): 151 800 SEK



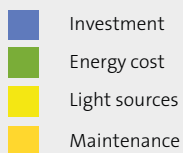
Parcare Ceiling

Garage with only Parcare Ceiling

19 Parcare Ceiling

Fittings c/c 5.0 m – 75 lx

Life Cycle Cost (20 years): 81 900 SEK





Parcare

Ceiling



Installation

Surface-mounted via two securing holes or via wire pendant, please see accessories.

Connection

Connects with 230 V, built-in LED driver. Snap-in terminal block $3 \times 2.5 \text{ mm}^2$ or $5 \times 2.5 \text{ mm}^2$ when dimming. 1-phase through-wiring possible. Cable entry from top of the luminaire. Surface mounted mains cable possible 180° .

Design


Luminaire body in white (RAL 9016) aluminium. Opal acrylic diffuser.

Accessories

The pendant accessory can be cut to the desired length. Max. cable area during pendant installation $5 \times 1.5 \text{ mm}^2$.


Miscellaneous

Driver life-time: up to 100.000 h/10 % (max failure).

Luminaire								
System, W	kg	Colour temp., K	lm	lm/W	Ra (CRI)	SDCM	Life time	
40	3.5	4000	3200	81	≥ 80	3	$L_{70} B_{50}$ 50.000 h	33320 

For current information, please refer to our website.

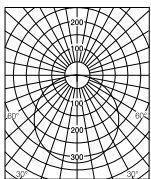
Suffix code

 **-402** DALI/Phase-pulse control

Add suffix code to the end of the luminaire part number to indicate required function.

Accessories

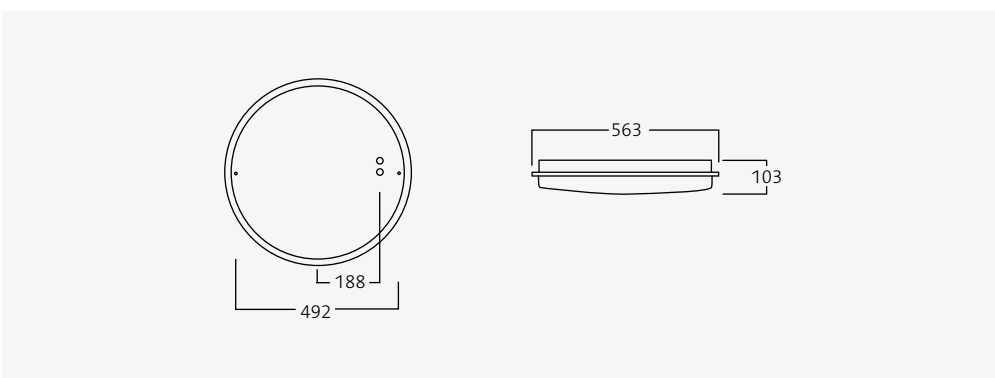
Pendant suspension 600 mm **91480**



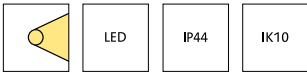
40 W



Parcare in pendant installation.



The diffuser is easy to mount with white springs.



Parcare Wallwasher



Installation

Surface mounted via two keyholes.

Connection

Connects with 230 V, built-in LED driver. Connection via two blanking grommet \varnothing 20 mm or via rubber bushing in the end-caps. Snap-in terminal block 5×2.5 mm²; through-wiring possible.

Design

Luminaire body in white (RAL 9016) aluzinc sheeting. End-caps in cast aluminium. Extruded diffuser in opal polycarbonate with linear prismatic function.

Dimming

DALI/Phase-pulse control as standard.

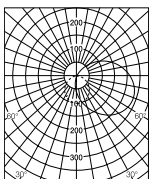
Miscellaneous

Driver life-time: up to 100.000 h/10 % (max failure).

Luminaire

System, W	kg	Colour temp., K	lm	lm/W	Ra (CRI)	SDCM	Life time	
11	2.7	4000	900	85	≥ 80	4	L ₈₀ B ₅₀ 50.000 h	33325-402

For current information, please refer to our website.



11 W



Additional light on the walls make a clear perception of the room for those moving in the garage.



Opal diffuser with linear prismatic function.



Fagerhult develops, manufactures and markets professional lighting systems for public environments. Our business is run with a constant focus on design, function, flexibility and energy-saving solutions.

Fagerhult is part of the Fagerhult Group, one of Europe's leading lighting groups with operations in more than 15 different countries. AB Fagerhult is listed on the NASDAQ OMX Nordic Exchange in Stockholm.

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