

A photograph of an industrial facility, likely a water treatment plant or power station. The scene is dominated by large, complex piping systems. The pipes are wrapped in thick, silver, reflective insulation. Several large, green industrial pumps or motors are mounted on vertical pipes. The ceiling is high, with metal trusses and a long, bright fluorescent light fixture. In the lower-left corner, there are red cylindrical tanks with the brand name 'elko met' visible. The overall atmosphere is industrial and technical.

Compact Monsun[®]

The LED damp-proof luminaire range for
challenging lighting task.

www.siteco.com

siteco

Compact Monsun®

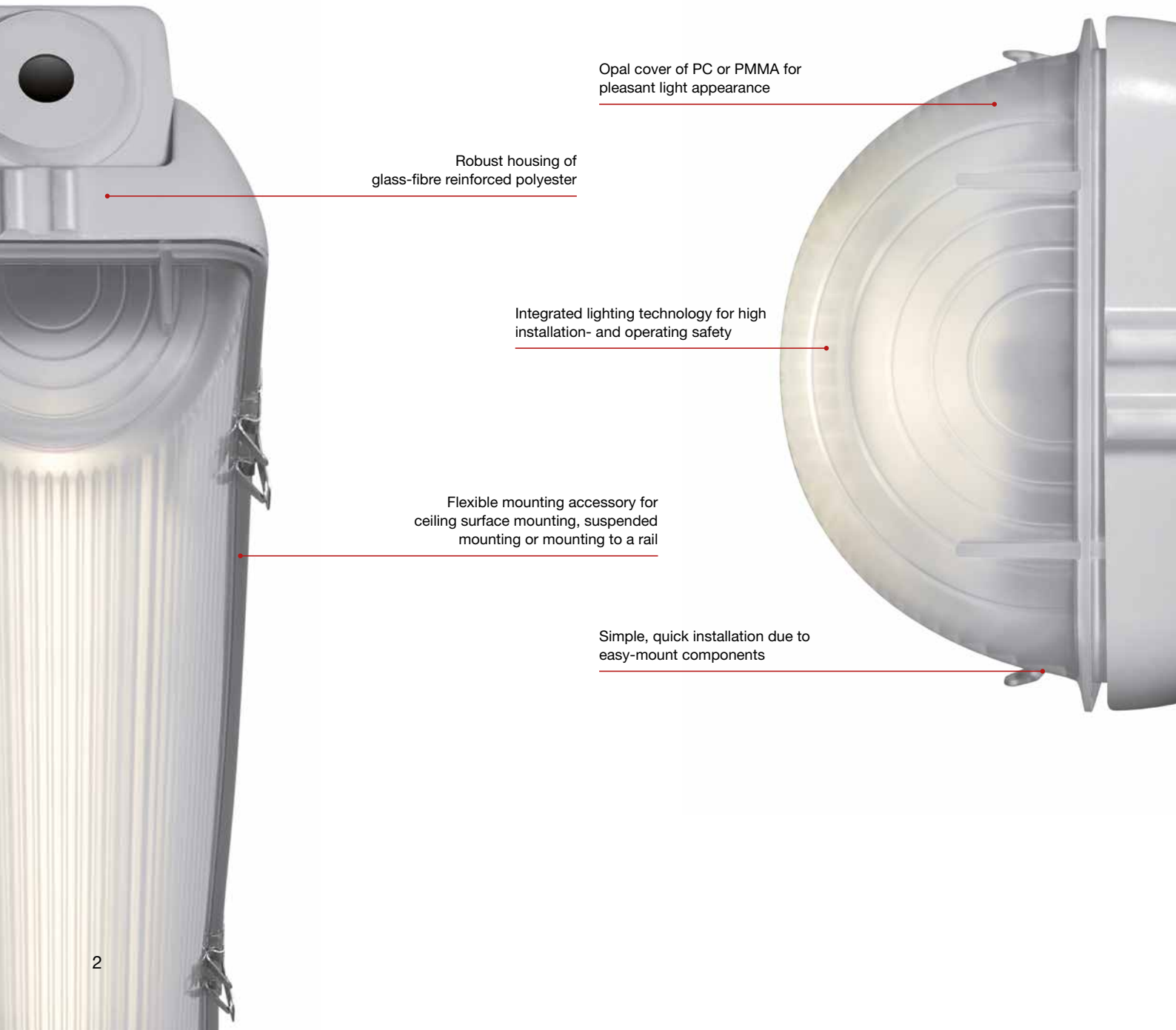
Efficient in diverse situations

Compact Monsun® is the tried-and-true range of luminaires for challenging tasks in damp and dusty surroundings. Compact Monsun® features maximum reliability, robustness, ease of installation and quality.

High quality workmanship, state-of-the-art lighting technology and an elevated IP65 protection rating makes the family of damp-proof luminaires the first choice for lighting in challenging environments, as well as a low-maintenance, energy-efficient lighting solution for a wide variety of tasks.

Applications are diverse – ranging from ancillary rooms, stock rooms and utility rooms in rough industrial surroundings to car parks, canopied outdoor areas and the food industry.

Compact Monsun® is ideal for a wide range of applications and offers application-orientated lighting solutions for individual lighting needs thanks to four basic versions ('basic', 'pro', 'parking' and 'emergency').



Robust housing of glass-fibre reinforced polyester

Opal cover of PC or PMMA for pleasant light appearance

Integrated lighting technology for high installation- and operating safety

Flexible mounting accessory for ceiling surface mounting, suspended mounting or mounting to a rail

Simple, quick installation due to easy-mount components



Compact Monsun® – an overview of benefits*

- Optimised, high-efficiency LED system (up to 170 lm/W)
- Wide luminous flux spectrum: from 2.4 klm to 10klm
- CRI > 80, light colour 4000 K or 6500 K
- Luminaire with IP65 protection rating, insulation class I
- Suitable for ambient temperatures of -25° C to +35° C
- Rated service life up to 50,000 or 70,000 hrs.
- Robust housing of glass-fibre reinforced polyester
- High-durability cover of opalised PMMA (IK03) or PC (IK08)
- LED touch protection for high installation- and operating safety: light engine integrated in the diffuser
- Luminaires with halogen-free wiring
- Two construction lengths: 1277 mm and 1577 mm
- Compliant with IFS, BRC and HACCP specifications for use in the foodstuff industry**

Damp-proof diffuser luminaires of the Compact Monsun® family were developed for the special ambient conditions existing in the industrial and manual trade sectors.

A robust housing of glass-fibre reinforced polyester, an opalised diffuser of PMMA or PC and a special sealing system provide protection against extreme temperatures, critical humidity and difficult ambient conditions.

The lighting technology achieves uniformly planar and glare-minimised light distribution on the working plane.

With wide-ranging and installation-friendly accessories, Compact Monsun® luminaires are suitable for ceiling surface-mounting, suspended mounting and installing to mounting rails.

*depends on the specific luminaire type
 **International Featured Standard (IFS), British Retail Consortium (BRC) and Hazard Analysis and Critical Control Points (HACCP)

A reliable concept – Four solution options

Compact Monsun® *basic*

The all-rounder for general applications in humid and dusty surroundings at normal temperatures.



Compact Monsun® basic with two construction lengths and various lumen packages provides high flexibility as a robust and highly durable lighting solution for standard applications indoors and in canopied outdoor areas with normal ambient temperatures in damp, dusty surroundings.

With wide-ranging and installation-friendly accessories, Compact Monsun® is suitable for ceiling surface-mounting, suspended mounting and installing to mounting rails. It therefore offers wide flexibility during installation – precisely according to needs.

Compact Monsun® *basic* – at a glance

- CRI \geq 80, light colour 4000K
- Luminaire with IP65 protection rating
- Temperature range: -25°C to 35°C
- Rated service life: 50,000 hrs. @ 25°C (L80/B50)
- High system efficiencies: up to 141 lm/W

Compact Monsun® *pro*

The specialist for $+35^{\circ}\text{C}$ and applications requiring high luminous flux and maximum efficiency.



For special ambient conditions as found for example in the food industry, cold stores and the wood-processing industry, high quality of light, safety and durability must be ensured to enable optimum productivity.

Compact Monsun® pro features identical technical basic data to Compact Monsun® basic in terms of flexibility and robustness.

The pro versions however offer further features for individual requirements with regard to special ambient conditions: maximum system efficiency levels and improved rated lifespans at $+35^{\circ}\text{C}$ – and with up to 10,000 lumens.

Compact Monsun® *pro* – at a glance

- Diverse luminous flux levels: from 3.6klm to 10klm
- Temperature range: -25°C to $+35^{\circ}\text{C}$
- Rated service life: 50,000 hrs. @ 35°C (L80/B50)
- Very high system efficiencies: 142 to 170 lm/W
- Available in 4000 K and 6500 K

Compact Monsun® emergency

The reliable lighting solution for emergencies.



Compact Monsun® emergency is the ideal solution in applications requiring emergency lighting in addition to robustness and durability.

Compact Monsun® emergency features the same basic technical data as Compact Monsun® pro, but emergency versions comply with preconditions for emergency lighting compliant with EN 60598-2-22.

Compact Monsun® emergency – at a glance

- Suitable for ambient temperatures:
 - 3 hour emergency battery: from 5° C to +35° C
 - central battery from -25° C to +35° C (accessory for DALI luminaires)
- Rated service life: 50,000 hrs. @ 35° C (L80/B50)
- High system efficiencies: up to 143 lm/W
- Luminous flux in emergency operation:
 - 3 hr. single battery: 844 lm (PMMA) or 799 lm (PC versions)
 - Luminaire for central battery: luminous flux reduction to approx. 15% with DC operation (230 to 240V)

Emergency light:

- Luminaires with integrated 3 hr. battery pack (NiCd) with individual monitoring via status LED for DALI versions and self-test function compliant with EN 62034
- Additional accessory for on-site integration, for standard-compliant operation in central battery systems
- All emergency light versions including emergency light components are validated and authorised compliant to DIN EN 60598-2-22

Compact Monsun® parking

The robust, long-life solution for parking garages.



The Compact Monsun® parking versions were specifically developed for car parks and comply with the latest standards and regulations (EN 12464; M-GarVO) as well as with future requirement profiles (DIN 67528 standard draft) for increased safety and improved recognition levels.

The integration of internal or external sensors into car park lighting provides diverse possibilities for individual control of the lighting system and for implementing application-related lighting scenes. Compact Monsun® parking enables both the use of external motion sensors and special types with integrated HF sensor.

Compact Monsun® parking – at a glance

- Variants in housing length 1577 mm
- Impact-resistant PC diffuser (IK08)
- Luminous flux: 4.5 klm
- Temperature range: -25°C...+35°C
- Rated service life:
 - 50,000 hrs. @ 25° C (L90/B50) - parking basic
 - 70,000 hrs. @ 25° C (L90/B50) - parking pro
- High system efficiencies: up to 153 lm/W

Optional:

- with integrated HF sensor (HC1) for DALI light control solutions
- Also as upgrade kit for standard DALI luminaires

Car park lighting – simple and intelligent

Compact Monsun® *parking* with DALI and HC1 sensor
Movement detection made easy.



Motion-dependent lighting control significantly increases levels of energy efficiency in car parks, and for this reason Compact Monsun LED Parking is equipped with an innovative high frequency sensor.

The integrated sensor features a wide detection range and high quality of detection for both people and vehicles. The sensor detects movement in the vicinity and adapts illuminance levels accordingly. The light is dimmed or switched off in the car park as soon as people or vehicles are no longer in motion.

Alternatively, equipping with sensor technology can be implemented in a second stage – a sensor kit is available for retrofitting DALI luminaires at any time.

Compact Monsun® *parking* with DALI and HC1 sensor – at a glance

- Movement detection (people and vehicles) and presence detection
- Mounting height: MH = 2 m to 3 m
- Movement detection (tangential/radial): $r = 8\text{ m}$
- Presence detection: $r = 8\text{ m}$

Economical light is simple – using intelligent control systems

From presence sensors to integration into building management systems, the OSRAM Lighting Solutions control portfolio offers diverse options for individually controlling your lighting system with Compact Monsun®.

Control possibilities with Compact Monsun® LED					
Wired					Wireless
DALI single-line system Broadcast		DALI multi-line system Single address/broadcast*		Zigbee Single line system Single address/ broadcast*	
ON/OFF/dimming with push-button	ON/OFF/dimming Presence and motion Daylight control	ON/OFF/dimming Presence and motion Daylight control		ON/OFF/dimming Presence and motion Daylight control Smart Devices	
Compact Monsun DALI	Compact Monsun Parking DALI		Compact Monsun Parking DALI		Push button interface**
DALI repeater	Compact Monsun Parking Multi Master HC1	Push button interface**	Controller	Push button interface**	Gateway
	Compact Monsun Parking Multi Slave HC1	Commissioning remote control	Compact Monsun Parking Multi Slave HC1	Commissioning service*	Commissioning app Free download
	Refurbishment kit Multi Master HC1		Refurbishment kit Multi Slave HC1		Commissioning service*
	Refurbishment kit Multi Slave HC1		Industr-Kit IP66 Multi Slave HC1		Refurbishment kit Multi Master HC1
	Industr-Kit IP66 Multi Master HC1				Refurbishment kit Multi Master HC1
					Refurbishment kit Multi Master HC1

* Commissioning complexity and functional complexity depends on the system configuration
 ** On-site modification to customer-specific switch range
 *** Available from summer 2017

Required system components _____
 Optional accessory - - - - -

For further information about suitable control systems, please contact our sales representatives.



SITECO GmbH

Georg-Simon-Ohm-Straße 50
83301 Traunreut, Deutschland
Tel +49 8669 33-0
Fax +49 8669 33-397

www.siteco.com

Customer Service

Tel +49 8669 33-844

