



SIGNALS FOR THE FUTURE.

LED traffic lights from the global market leader.



FOR A GREEN WORLD.

At traffic lights too.

On red, the world stands still, on green, it flows. This simple principle guides traffic at all traffic-light controlled road junctions around the globe.

But a traffic light of today and tomorrow can do much more. It is part of “smart mobility”: The future of traffic has begun.

Imagine you are sat at a red light in your smart car. Your dashboard shows that the lights will be turning green in four seconds. Three, two, one, zero. The start-stop function in your engine kicks in automatically, and a friendly voice advises you what speed to take with which you will pass the next junction on green.

Smart LED traffic lights from SWARCO think in terms of networks when they regulate traffic. Great that they are also bright, energy-efficient and environmentally friendly at the same time. For a green world, in every sense of the word.

FROM 1968 UNTIL THE DAY AFTER TOMORROW.

As the world's leading manufacturer of LED-based signaling technology, we have made it our mission to develop innovative traffic light systems for the world of today, tomorrow and beyond. Our roots already go back half a century.

Today, our "made in Austria" traffic lights keep traffic flowing in over 70 countries worldwide. From Vienna to Oslo, from Dubai to Sydney, from Cape Town to São Paulo. And soon in your region too?

70

Countries.

Customers in over 70 countries worldwide rely on our products, systems and services.

250

Heads.

Over 250 staff at our two sites in Austria develop, manufacture and market traffic lights, variable message signs and street lighting for the global market. The SWARCO Group has a total of 3,600 staff worldwide.

60.000.000

Millions.

With an annual turnover of almost 60 million EUR, our traffic lights, variable message signs and street lighting divisions rank among the most successful units in the SWARCO Group. The overall turnover is 650 million EUR.

32

Years.

SWARCO has been one of the global market and innovation leaders in signaling technology since 1986.

90

Percent.

LED signals save up to 90 percent of energy compared to conventional light bulbs and reduce CO₂-emissions.



Our milestones

FUTURIT manufactures the first traffic lights out of plastic

First developments using LED technologies for signaling technology.

The new smart COMBIA traffic light family is setting new standards.



The SWARCO Group takes over FUTURIT.

Opening of the current production site in Neutal in Burgenland (Austria).

The world's first LED traffic signals with a focus on eco-design.

FROM CLASSIC TO MODERN.

Our diverse traffic light systems.



THE CLASSIC: STANDARD

The ageless traffic light for low-maintenance use in all areas.

More on page 22.



THE UNIVERSAL: MONDIAL

The flexible traffic light for different light sources and most demanding requirements.

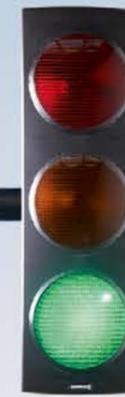
More on page 20.



THE BEAUTIFUL: ALUSTAR

The robust traffic light which combines award-winning design with optical brilliance.

More on page 16.



THE SLIM: FUTURA

The world's first traffic light to be developed under eco-design principles.

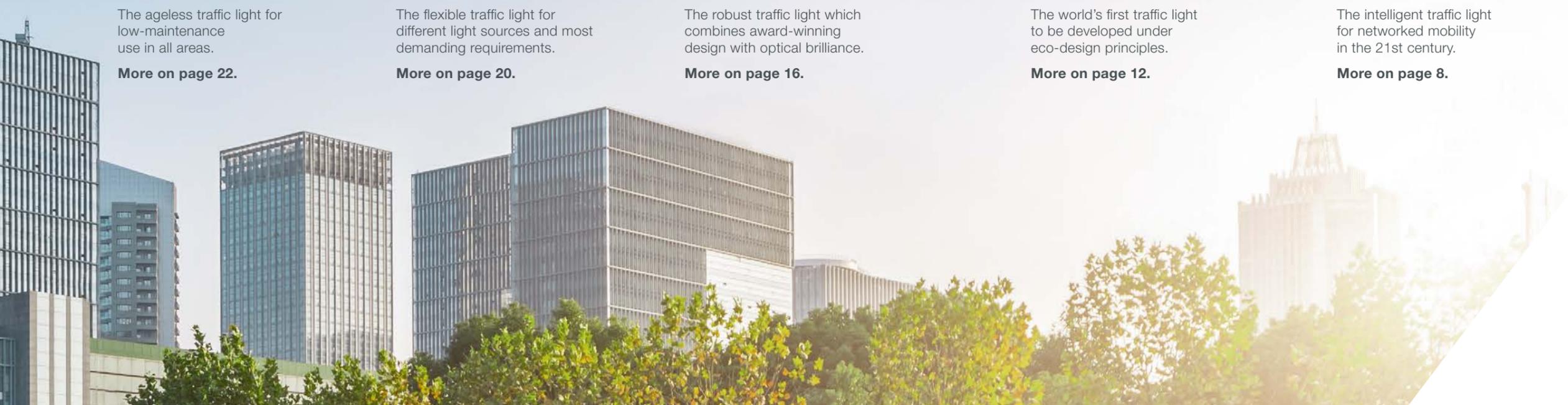
More on page 12.



THE SMART: COMBIA

The intelligent traffic light for networked mobility in the 21st century.

More on page 8.



SWARCO COMBIA THE SMART



The traffic light of tomorrow.

The traffic light of the future thinks for itself: Our new COMBIA traffic light family is networked with local traffic and mobile services in order to communicate directly with road users. With the aid of special sensors, the traffic light detects people and objects at the junction and adjusts the signals to the respective situation. So, smart cars can, for example, request the countdown to the green light or pedestrians are guided and alerted via an LED ground projection – a key contribution to road safety in times of constant mobile use.

A glance into the future: The traffic light supplies all the relevant information for autonomous driving, which will revolutionize road traffic in a few years. In addition, an air quality sensor measures the air quality and retransmits the data to an exchange or displays it directly on site in real time.

COMBIA will suit you if you are looking for a smart, intelligent, flexible, energy-efficient, safety-related, environmentally friendly and forward-oriented traffic light solution for your applications.

The COMBIA traffic light family is ready for the age of “smart mobility”. An intelligent system, which has networked thinking and communicates with road users.

SWARCO COMBIA AT A GLANCE

- Smart traffic light system for “smart mobility” of today and tomorrow
- Sensors for detecting people and objects (PedCom)
- Ground projection for pedestrian safety (SafeLight)
- Environmental station for measuring air quality (AirDec)
- Easy to extend for additional smart features
- Prepared for autonomous driving

DIMENSIONS.

LENS DIAMETER	NUMBER OF CHAMBERS	W / H / D [mm]
200 mm CIWAY	1	280 / 280 / 158
	2	280 / 560 / 158
	3	280 / 840 / 158
200 mm CIFLOW, CILANE	1	280 / 355 / 158
	2	280 / 635 / 158
	3	280 / 915 / 158
300 mm CIWAY	1	360 / 370 / 212
	2	360 / 740 / 212
	3	360 / 1110 / 212
300 mm CIFLOW, CILANE	1	360 / 445 / 212
	2	360 / 815 / 212
	3	360 / 1185 / 212

Smart Signal in addition 140 mm in height at 200

DETAILS.

Ask us for all technical details on the COMBIA traffic light family.

Or get information online:



Individual like your city.

With our three traffic lights CIWAY, CIFLOW and CILANE, you can customize your traffic lights according to your requirements: flexible as regards material, mounting, design and additional features.

CIWAY



CIFLOW



CILANE



SMART FEATURES

The additional features AirDec, PedCom and SafeLight can be customized for each of the three types of traffic light.



AirDec
Environmental station for measuring air quality



PedCom
Sensors for detecting people and objects



SafeLight
Ground projection for pedestrian safety

Climate protection in the form of traffic lights.

Sustainability is a good designer: Our FUTURA traffic light family has consistently been developed under the eco-design principle. The LED technology enables a very flat construction which minimizes both the weight and use of resources.

This results in contemporary traffic lights which are particularly easy to mount and are environmentally friendly and which make a key contribution to the reduction of CO₂ emissions. Their slim and elegant appearance enhances any urban landscape.

FUTURA will suit you if you are looking for a slim, modern, elegant, environmentally friendly and sustainable traffic light solution for your applications.

Sustainability meets aesthetics:
The elegant FUTURA traffic light family complies with our eco-design philosophy from manufacture to operation.

SWARCO FUTURA, FUTURA MINI THE SLIM



SWARCO FUTURA AT A GLANCE

- FUTURLED optic for maximum energy efficiency
- Light field diameter 100, 210 or 300 mm
- Developed under eco-design principles
- Sustainable reduction of CO₂ emissions
- Different colors and color combinations
- Optimized strength and stability
- Vertical and horizontal installation
- Extremely light construction
- Elegant and modern design

Awards:

Nomination for the Austrian National Award for Traffic 2008:
Efficiency for climate protection

Prize in the CREATECH competition for traffic technology and creative industry

DIMENSIONS.

LENS DIAMETER	NUMBER OF CHAMBERS	W / H / D [mm]
100 mm (Mini)	1	136 / 206 / 97
	2	136 / 341 / 97
	3	136 / 476 / 97
	4	136 / 611 / 97
210 mm	1	260 / 316 / 105
	2	260 / 576 / 105
	3	260 / 836 / 105
300 mm	1	350 / 406 / 140
	2	350 / 756 / 140
	3	350 / 1106 / 140

DETAILS.

Ask us for all technical details on the FUTURA traffic light family.

Or get information online:



FUTURA traffic light variants with different symbol masks.

A vertical traffic light pole with three circular lights: red at the top, yellow in the middle, and green at the bottom. The green light is illuminated. The pole is set against a background of a modern glass-walled building under a blue sky with light clouds.

SWARCO ALUSTAR, ALUSTAR MINI THE BEAUTIFUL

Designer pieces for the city.

Award-winning design meets optical brilliance: Our ALUSTAR LED traffic lights made of high-grade aluminum and polycarbonate fit perfectly with the image of a modern city or community. The LED technology combines its elegant appearance with high luminosity and energy efficiency; the aluminum housing makes the traffic light extremely robust and durable.

ALUSTAR will suit you if you are looking for a beautiful, sturdy, weather-resistant, durable, low-maintenance and design-oriented traffic light solution for your applications.

The attractive design of the ALUSTAR traffic light family is an unmistakable integral part of every urban landscape. The energy efficiency of this signal head saves both: the environment and your budget.

SWARCO ALUSTAR AT A GLANCE

- FUTURLED optic for maximum energy efficiency
- Light field diameter 100, 210 or 300 mm
- Housing made of high-grade aluminum, fronts made of polycarbonate
- High resistance to vandalism
- High reliability and durability
- Extended selection of colors due to powder coating
- Vertical and horizontal installation
- Extremely slim construction
- Ageless and modern design

DIMENSIONS.

LENS DIAMETER	NUMBER OF CHAMBERS	W / H / D [mm]
100 mm	1	160 / 202 / 95
	2	160 / 322 / 95
	3	160 / 44 / 95
210 mm	1	300 / 330 / 135
	2	300 / 670 / 135
	3	300 / 810 / 135
300 mm	1	390 / 434 / 180
	2	390 / 764 / 180
	3	390 / 1094 / 180

DETAILS.

Ask us for all technical details on the ALUSTAR traffic light family.

Or get information online:



ALUSTAR models in Dublin, Ireland

At home worldwide.

From icy Scandinavia to deserts on the Arabian peninsula: Our MONDIAL traffic lights made of UV-stabilized polycarbonate are highly resistant to unfavorable weather conditions and mechanical stress. The worldwide proven housing type supports different light sources such as E27, BA 20, halogen or LEDs and electrical specifications such as high and low voltage. With its optical system

being specifically adapted to each lamp type, these traffic lights always achieve optimum light intensity.

MONDIAL will suit you if you are looking for a universal, modular, ageless, robust and durable traffic light solution for your applications.

- Traffic lights in use worldwide
- Light field diameter 210 or 300 mm
- Freely and flexibly combinable
- Very low power consumption and brilliant light output with FUTURLED optics
- Supports different light sources
- Customized symbols available for any type of lens
- Easy maintenance
- Resistant to unfavorable weather conditions
- Vertical and horizontal installation

DIMENSIONS.

LENS DIAMETER	NUMBER OF CHAMBERS	W / H / D [mm]
210 mm	1	280 / 251 / 160
	2	280 / 531 / 160
	3	280 / 811 / 160
300 mm	1	360 / 341 / 217
	2	360 / 711 / 217
	3	360 / 1081 / 217

DETAILS.

Ask us for all technical details on the MONDIAL traffic light family.

Or get information online:



SWARCO MONDIAL THE UNIVERSAL



SWARCO STANDARD THE CLASSIC



Quality with no expiration date.

From the incandescent bulb to halogen and LED: Our STANDARD traffic lights have been used around the globe for many years with different types of light sources. The robust housing made of UV-stabilized polycarbonate is just as resistant to mechanical stress as adverse weather conditions. The ageless product and design quality of

the traffic lights is proven both in road, rail, waterways and many other areas.

STANDARD will suit you if you are looking for a classic, easy-to-assemble, robust and diverse traffic light solution for your applications.

- Ageless, resistant traffic lights
- Light field diameter 210 or 300 mm and 200 x 200 mm
- Freely and flexibly combinable
- Very low power consumption and brilliant light output with FUTURLED optics
- Supports different light sources
- Easy maintenance
- Customized symbols available for any type of lens
- Vertical and horizontal installation

DIMENSIONS.

LENS DIAMETER	NUMBER OF CHAMBERS	W / H / D [mm]
210 mm	1	270 / 346 / 187
	2	270 / 626 / 187
	3	270 / 906 / 187
300 mm	1	350 / 434 / 187
	2	350 / 788 / 187
	3	350 / 1142 / 187

DETAILS.

Ask us for all technical details on the STANDARD traffic light family.

Or get information online:



OUR LED MODULES

Brilliant energy savers.

From LED pioneer to global player; benefit from our extensive experience and expertise in LED signaling technology, with over 5 million LED modules sold worldwide. Besides the brilliant light output and consistent illumination from the

central light source, investment is justified by the improved service life and several years of maintenance-free operation. Reconfigure your existing traffic lights quickly and cost-effectively to modern LED technology.

- Latest LED technology
- Brilliant light output
- Long service life and eliminates the need for maintenance
- Quick and convenient changeover of existing traffic lights
- Saves up to 90% of energy (compared to incandescent bulbs)

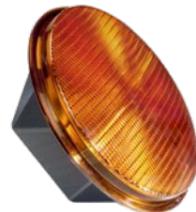
DETAILS.

Ask us for all technical details on our LED modules and the FUTURLED family.

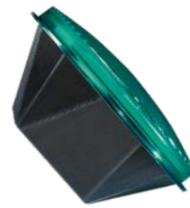
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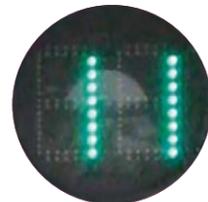
FUTURLED3
230V AC
Highest optical performance
EN 12368



FUTURLED3
40V/42V/48V AC
Low voltage
EN 12368



FUTURLED3
12V DC / 24V AC/DC
Alternative Power Supplies
EN 12368



FUTURLED
COUNTDOWN
A useful accessory to increase road safety at intersections.



Arrows, Pedestrian and other symbols
A variety of specific masks is available.





SWARCO | FIRST IN TRAFFIC SOLUTIONS.

SWARCO is a growing international group providing the complete range of products, systems, services and solutions for road safety and intelligent traffic management.

With almost five decades of experience in the industry, the corporation supports the growing mobility needs of society with turnkey systems and solutions in road marking, urban and interurban traffic control, parking, public transport, infomobility and street lighting. Cooperative systems, V2I communication, electromobility, and integrated software solutions for the Smart City are the latest, future-oriented fields in the group's portfolio.

www.swarcofuturit.com

www.swarco.com

