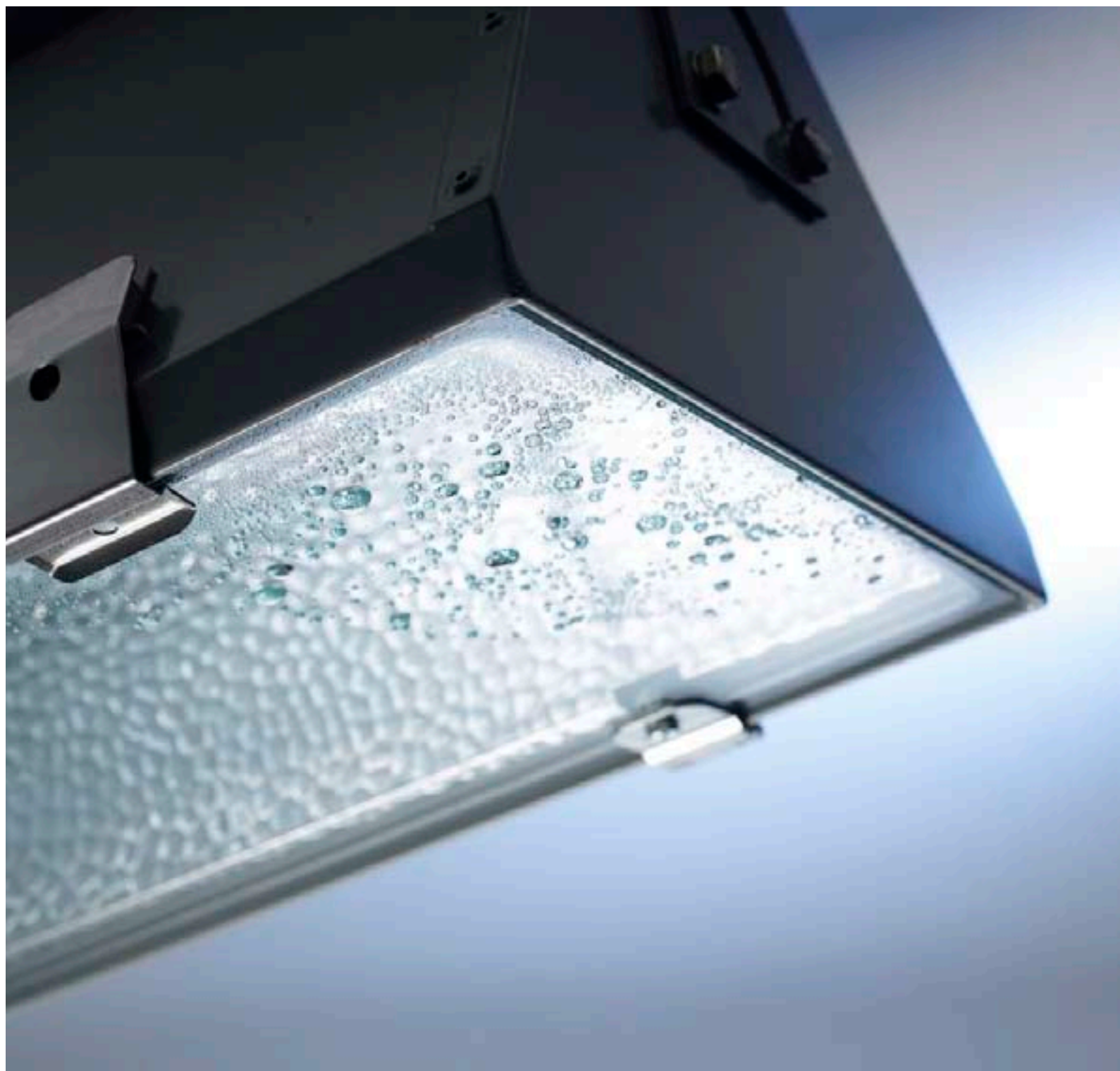


High protection factor luminaires





BENEFITS OF 50 YEARS EXPERIENCE

In damp and/or highly soiled spaces you will require enclosed luminaires. ETAP has more than 50 years experience in this field. The result: a wide and high quality range of impact, dust and waterproof luminaires. We have an extensive knowledge which we offer to enable you to choose the best solutions.



Reduced energy consumption



Easy maintenance



Robust construction for long life

Energy-efficient

Enclosed ETAP luminaires are particularly energy-efficient thanks to the high luminaire efficiency, the sophisticated light distribution with aluminium reflectors and the application of energy-efficient ballasts. You need fewer luminaires.

Built to last

With their robust construction and superior finish, our luminaires retain the specified protection level for many, many years to come. Housing, reflector and cover each have an independent strength.

Installation and maintenance-friendly

ETAP luminaires are easily and efficiently installed and maintained. Each sealed luminaire comes with specific mounting brackets to save you valuable time. Lamps and ballasts are always easy to reach for maintenance purposes.

Adapted to your specific situation

With each enclosed ETAP luminaire you can choose from a wide range of electrical options: lamps, dimming, built-in emergency unit, ...

For specific lighting requirements we can work out a customised solution that fits your needs. Standard high protection factor luminaires are also included in our range of office lighting and emergency lighting equipment.





THE MOST SUITABLE SOLUTION FOR ANY SITUATION

Enclosed luminaires find applications in many different situations. That is why ETAP offers a wide range, so you can choose the most suitable solution for any situation.



E1



E6

protection level	IP65	IP65
impact resistance	IK03/IK08	IK08
application – features	hard-wearing in chemically aggressive environments	
application – examples	chemical industry, steel industry, agrarian and food industry, ...	work stations, sheds, garages, warehouses, cellars, ...
installation and maintenance	quick installation,hinged cover, interchangeable mounting plate	quick installation, hinged cover





E2



E4



E9

IP65

IP54

IP40/IP44

IK10

IK04/IK10

economic, glare-free

high, glare-free lighting levels

workstations with high lighting requirements

work stations, as in textiles,
furniture making, ...

work stations,
food industry, inspection tasks, ...

individual workstations, quality
control, precision work, ...

easy-to-reach lamps

also inclined installation, quick and
efficient cleaning

also inclined installation



E1

HARD-WEARING SOLUTION, ALSO FOR CHEMICALLY AGGRESSIVE ENVIRONMENTS

E1 is especially designed for applications where you require additional protection against (chemically) aggressive substances or environments.

The housing is made up of a sturdy polyester base reinforced with glass fibre and a protective cover made from clear PMMA or impact-proof polycarbonate. The polyurethane sealer, poured in one piece, and the stainless steel fasteners provide an IP65 protection level (dust and jet proof).

E1 proves itself every day in heavy industry and in chemically aggressive environments: steel industry, chemical, agriculture and food industry.

6 | E1
ETAP

You choose the light distribution that suits you best

In the E1 series, the cycloid reflector is selected if you want a luminaire for general lighting with a very wide light distribution. If you want to prevent transversal glare and direct the light to your work surface, you opt for the parabolic reflector. Both reflectors give high efficiency.



		PMMA	PC	PMMA	PC
ø16mm	ø26mm	IP 65	IK 03	IK 08	650 °C
					850 °C

- Glass fibre reinforced polyester housing
- PMMA or polycarbonate protective cover
- Polyurethane seal
- Stainless steel fasteners
- Detachable mounting plate
- Emergency unit possible

E1 as variant for swimming pools





Mounting brackets



Snapped in



Connected (Wieland plug optional)

Quick assembly

We supply E1 luminaires with separate mounting brackets. Once they are fixed, all you have to do is snap in the luminaires. We also supply luminaires fitted with a pre-installed Wieland connector. The lamps are then also pre-installed. For installation directly on to a support we will provide additional rubber washers on the inside and outside of the mounting points. This guarantees a hermetic seal.

Interchangeable mounting plate for easy maintenance

Once you have opened the protective cover, you simply detach and change the mounting plate with lamps and ballast. That way you do not have to carry out the maintenance in site.

E1 in the agriculture industry 🏡



E1 in the food industry (up to -30°C)



E1 in the steel industry



E6

SIMPLE AND RELIABLE ALL-ROUND SOLUTION

You are looking for a dust and jet proof luminaire that does not have to meet particular requirements in terms of chemical resistance and light treatment? Then E6 is the solution for you.

The housing and the protective cover of E6 are made from polycarbonate. A silicone seal is applied between the base and the protective cover. In combination with the stainless steel fasteners, this provides an IP65 protection level (dust and jet proof).

E6 finds application in cellars, warehouses, plant rooms, open and closed parking areas, sheds ...

8 | E6
ETAP



Savings thanks to aluminium reflector

E6 is energy-efficient. The aluminium reflector gives the luminaire a high efficiency, so that fewer luminaires have to be installed.

Ease of installation and maintenance thanks to specific mounting brackets

You install E6 with separate mounting brackets. You simply snap the luminaires into the brackets.

Maintenance is simple too: stainless steel clamps provide for easy opening and closing of the housing. The cover remains suspended from the housing so you have both hands free for the maintenance work.



- Polycarbonate housing
- Polycarbonate protective cover
- Silicone seal
- Stainless steel fasteners
- Hinged cover for easy maintenance
- Emergency unit possible

EFFICIENT PHOTOMETRY

You are looking for a dust and jet proof luminaire without any specific mechanical protection features? Then you choose E2, a luminaire with aluminium reflector and easy-to-reach lamps.

The base consists of an extruded aluminium profile with rubber sealers. The polycarbonate lamp holders hermetically seal off the electrical section, resulting in an IP65 protection level (dust and jet proof).

E2 finds application in a wide variety of workplaces.

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ETAP

Energy-efficient and glare-free reflector

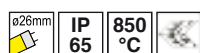
The aluminium reflector means that you require fewer luminaires to obtain a given lighting level and also reduces your energy consumption. The reflector limits the cut-off angle to 50°, thereby preventing transversal glare. The hammered aluminium used prevents sudden luminance transition.

Shatterproof lamps

You can eliminate any risk of flying shards in case of lamp breakage with ETAP fitting E2 luminaires with shatterproof lamps, rendering them ideally suited for use in for example the food industry. These lamps are fitted with a PET (polyethylene theraphthalate) or Teflon® (polytetrafluorethylene) protective cover: if a lamp shatters, the protective cover will keep the splinters together. In addition, ETAP provides for additional protection of the lamp ends.



Lamp fitted with protective cover



- Extruded aluminium housing
- Polycarbonate lamp holders
- Easy-to-reach lamps



E4

ROBUST LUMINAIRE FOR HIGH LIGHTING LEVELS

Where a robust enclosed luminaire with high, glare-free lighting levels is required E4 provides the solution. Moreover, E4 can be mounted in an inclined position and also the luminaire is easy to clean.

The housing consists of a solid base of galvanised and enamelled steel plate, and a cover plate of clear hardened glass. The polyurethane sealer, poured in one piece, and these durable materials provide the luminaire with an IP54 protection level (dust and splash proof).

10 | E4
ETAP



High lighting levels without glare

You can choose from two wide-angle reflectors. Both ensure even light distribution, enabling you to light your space with fewer luminaires.

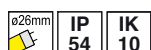
- The hammered aluminium reflector has a 30° shielding angle in the transverse direction.
- The low-luminance reflector with baffles shields the light lengthwise and transversally, thereby preventing glare in all viewing directions.

Asymmetric beam distribution mounting without problems

E4 can quickly and efficiently be mounted with asymmetric beam distribution or on inclined surfaces: the luminaire's angled sides are fitted with continuously adjustable mounting brackets.

Easy to clean

The sophisticated design of E4 allows for quick and efficient cleaning of the luminaire. In addition, the rigid housing minimises dust accumulation on the luminaires.



- Galvanised and enamelled steel plate housing
- Clear hardened glass protective cover
- Polyurethane seal
- Stainless steel fasteners
- Adjustable up to 60°
- Emergency unit possible



INDUSTRIAL WORKSTATIONS WITH HIGH LIGHTING REQUIREMENTS

E9

At some workstations you need additional lighting in order to carry out your visual tasks efficiently. E9 provides high horizontal and vertical glare-free lighting levels for the user and the environment. This makes the luminaire ideal for precision work, quality control and lighting of individual workstations.

The housing consists of a white-painted steelplate housing, and a clear plexiglass (PMMA) or clear hardened glass cover plate. In the clear hardened glass version, a polyurethane seal, poured in one piece, is inserted between the base and the protective cover, making the luminaire splash proof (IP44).

E9
ETAP | 11

An exceptional reflector design

The requirements for high illuminance horizontally and vertically with maximum glare-free contrast on the work surface is satisfied by the E9 with its specific reflector. The wide luminaire prevents sharply defined shadows. Large side reflectors concentrate the light and the central longitudinal reflector and transverse baffles prevent direct exposure to the lamp.

Customised solutions

The specific technique of the E9 reflector allows variants with a different light distribution to be produced. This makes E9 perfectly suited for solving special lighting problems in industrial workplaces.



Workplace lighting



Version suited to your specific situation

	E95	E90	E95	E90	E95
ø26mm	IP 40	IP 44	IK 04	IK 10	650 °C

- White-painted steel plate housing
- Clear hardened or clear plexiglass protective cover
- Optimised reflector design for perfectly illuminated workstation and environment

High protection factor luminaires



- ETAP offers:
- Many years of experience
 - Wide range
 - Tailored solutions
 - Energy efficiency
 - Visual comfort
 - Hard-wearing construction
 - Easy installation
 - Maintenance-friendly

12/06 8009772-12E/0 – The information is provided for guidances only and we reserve the right to change details, as the result of technical development, without prior notice.

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