

Premium luminous surface

The Glamox C90 family







The Glamox C90 family – Premium luminous surface

When creating the products in the C90 family our designers have succeeded in combining superb light quality with a sophisticated exterior.

A common denominator for all the C90 products is the premium luminous surface. In order to get the uniform light we want, and at the same time achieve excellent light output and energy efficiency, we've been very particular about the choice of LED light source. In fact, our supplier has developed the LED modules especially for this product family, in close collaboration with us. The deep frame allows for ample distance between the LED module and the optics to avoid hotspots and the backlit design is also ideal when you want an efficient luminaire with high light output.

The family comprises circular luminaires for pendent and surface mounting and a series of recessed luminaires that can be adapted to most common ceiling systems. All three "family members" are available in different sizes and with the choice of microprismatic and opal optics.

A full moon in the dark night sky

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The design of C90 P and S is as logical as it is simple. We have used as much time on designing the light as on the luminaire itself. We wanted a fully illuminated surface with the most uniform light possible and superb light efficiency. By focusing on the light properties, the visual expression of the luminaire followed as a natural consequence, a clean design with no superfluous clutter. It's like a full moon in the night sky.

STEFAN PETTERSSON, DESIGNER



Glamox C90-S

A surface mounted luminaire for customers with high standards. This is a high-quality product both when it comes to functionality and performance.

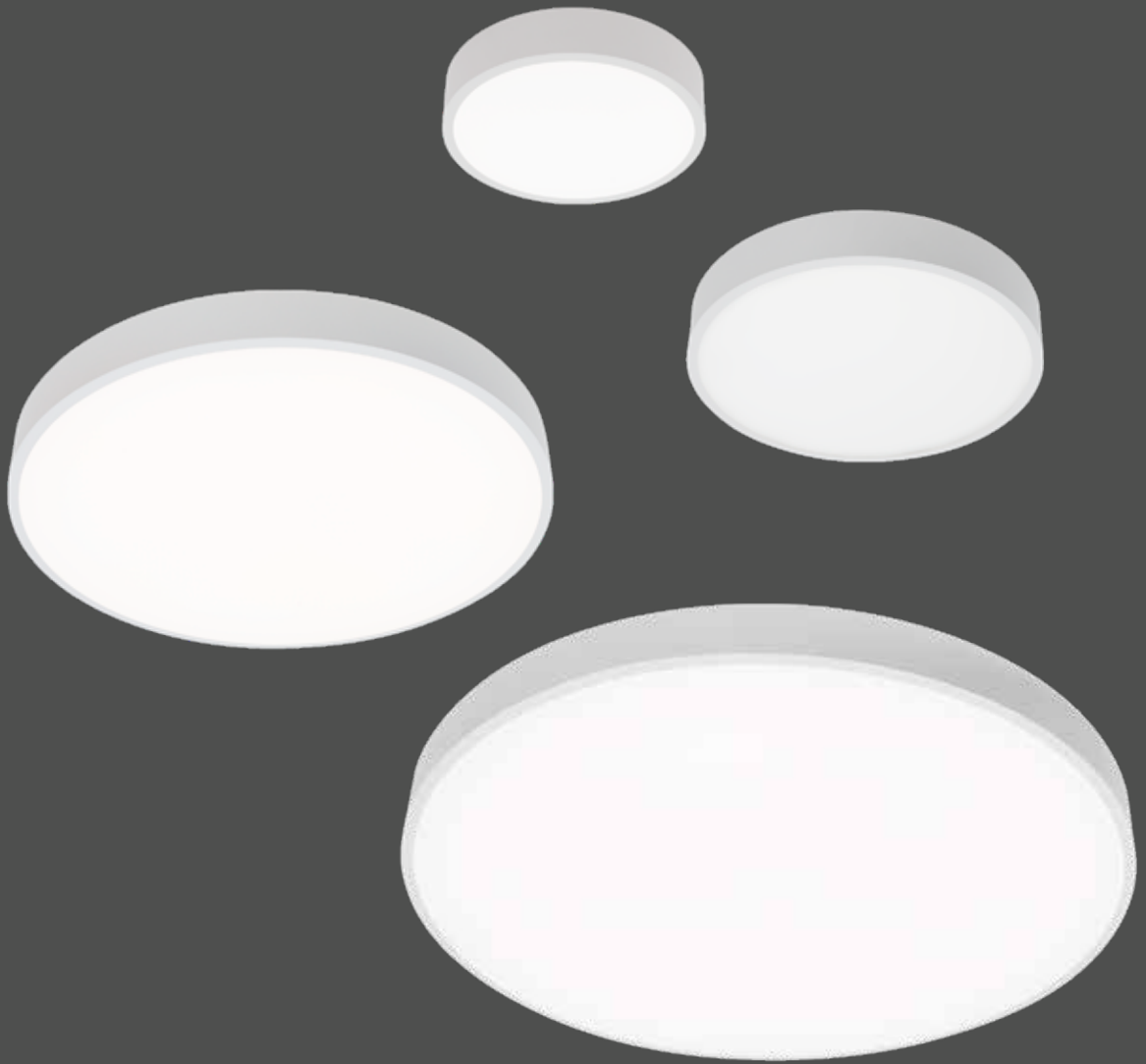
With its bold aluminium frame and fully illuminated surface C90-S has an attractive, contemporary look. But more importantly it has the best light quality we can offer. After all, a good luminaire is not only a pretty object in itself, it also makes its surrounding look great by showing it off in the best possible light.

The star of the show or a good support

Some luminaires are made to blend in and some are made to stand out. Glamox C90-S can do both. Choose the largest version of the C90-S for an assembly room or a conference hall and it will be the star of the show. Choose smaller versions and you have luminaires that will add subtle elegance to any office environment, social area or meeting room.

A versatile product

The advantage of a surface mounted luminaire is that it can be easily mounted in almost any kind of ceiling. It is also ideal when you don't have the ceiling height required for a pendant. To add to the versatility C90-S is available in two different colours and four different diameters. By combining the different sizes it's easy to create exciting lighting layouts. You also have the choice between opal or microprismatic optics. The opal optics create a soft diffused light, while the microprismatic optics is ideal for workstations and other areas where you need to reduce the glare to a minimum.

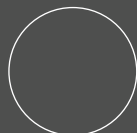


SIZE

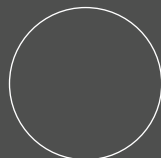
Ø420 mm



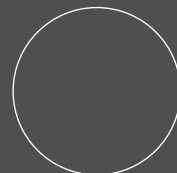
Ø570 mm



Ø870 mm



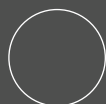
Ø1170 mm



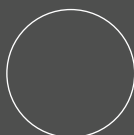


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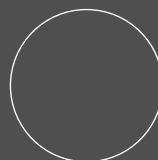
Ø420 mm



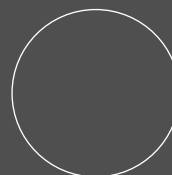
Ø570 mm



Ø870 mm



Ø1170 mm





Glamox C90-P

It's basic knowledge for architects that light can enhance the architectural expression of a room. Hence the best luminaires look great and make their surroundings look even better. This is what our designer wanted to achieve when he designed Glamox C90-P.

The result is a pendent luminaire that can make a striking impression with its bold aluminium frame and fully illuminated surface. And it has something that's even more important - the best light quality we can offer.

The star of the show or a good support

Glamox C90-P can be both the centrepiece of a room and a discrete decorative product. Choose the largest version of the C90-P for a reception or a large stairwell and it will be the star of the show. Choose a smaller pendant and you get luminaires that will add subtle elegance to any office environment, social area or meeting room.

Versatile product

C90-P is available in two colours and four different sizes. By combining the different sizes and different suspension heights it's easy to create exciting lighting layouts for an atrium an assembly hall or other rooms where you want to make a grand statement. You also have the choice between opal or microprismatic optics. The opal optics create a soft diffused light, while the microprismatic optics is ideal for workstations and other areas where you need to reduce the glare to a minimum.



Glamox C90-R

Glamox C90-R is a series of modular recessed LED luminaires with fully illuminated surfaces, high flexibility and visual performance.

When creating C90-R, our designer has focused on achieving premium light qualities, and to only let the uniformly illuminated surface be visible in the ceiling. The perfect shaped frame is only 12 mm wide and is completely hidden by the T-bars.

A versatile product

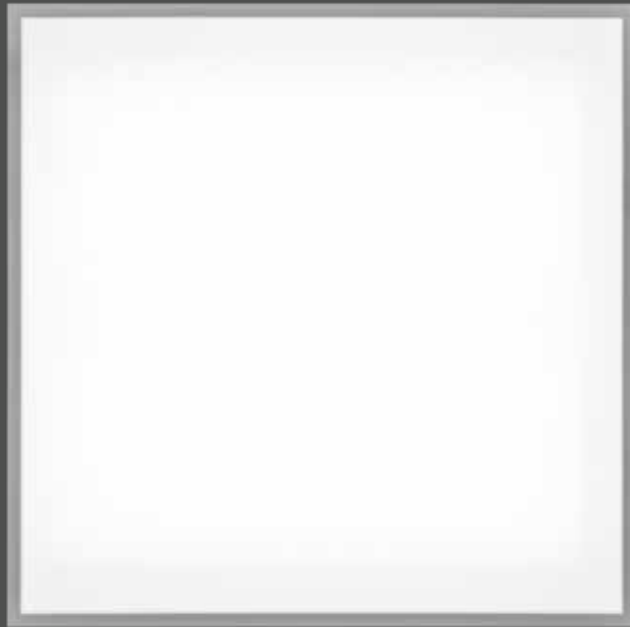
C90-R is a versatile product that is available in square (600x600 mm/312x312 mm) and rectangular versions (300x1200 mm). It can also be supplied with four different types of optics: Microprismatic (MP), Opal (OP), Circle (CI) and Opal drop-out (OD). The opal drop-out and the circle optics have a distinct effect on the appearance of the product and can be used to create variation in the lighting scheme.

Easy mounting

An external driver box is delivered with the luminaire. Connection and maintenance can be done without opening the luminaire.

For most ceiling systems

C90-R is designed to accommodate all 15 and 24mm T-bar ceilings, plasterboard ceilings and ceilings with a concealed profile. Read more about ceiling systems on page 15.

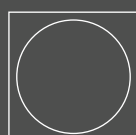


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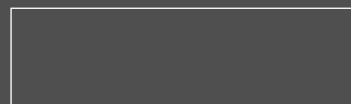
312x312 mm



600x600 mm



300x1200 mm







What about the ceiling system?

There is an abundance of ceiling systems on the market and finding luminaires that can be integrated into the different systems can be challenging.

Glamox aims to offer luminaires for all common ceiling systems and keeps a close eye on the development of new systems. C90-R is designed to accommodate C90 in all 15 and 24mm T-bar ceilings, plasterboard ceilings and ceilings with a concealed profile. For more particular ceilings we have developed C91-R and C92-R which have similar appearance and properties as the C90-R.

Read more about ceiling systems and the luminaires that go with them in our ceiling system guide on our website.



CHECK OUT THE
GLAMOX CEILING
SYSTEM GUIDE HERE.

MODULAR CEILINGS		Non-modular ceilings		C90-R			C91-R			C92-R		
				C90-R			C91-R			C92-R		
MODULAR CEILINGS	DEMOUNTABLE	CONCEALED PROFILES	Non-dismountable		✓ ²							
			24 mm									
			45 mm				✓					
			36 mm		✓ ¹							
			16 mm		✓ ¹							
			Asy 35 mm							✓		
			Asy 24 mm						✓			
	VISIBLE PROFILES	24 mm		✓ ¹								
		15 mm		✓								
		15-24 mm		✓								
		35 mm		✓								
		15-24 mm		✓								

1 - With mounting brackets as accessory
 2 - With frame for plasterboard



Human Centric Lighting for improved human performance

Human Centric Lighting is a lighting solution that mimics the qualities of daylight to enhance human performance, wellbeing and to support a favourable circadian rhythm.

Biological research has shown us that light with high intensity and high content of blue wavelengths stimulates the body and makes us more alert and focused. If we are exposed to this cool white light at the right time and for the right duration, it can also affect our sleep in a positive way. To achieve this circadian effect it's also important to change to a warmer light with lower intensity towards the end of the day.

Our Human Centric Lighting solutions are based upon two main components: The first component is a light management system that adjusts the colour temperature and the intensity of the light according to a predefined cycle. The second component is luminaires with technology that allows for adjusting the colour temperature (Tuneable white and RGB).

There are two types of technology that is used to adjust the colour temperature of the light, tuneable white (CCT) and RGB. The products in the C90 family can be supplied with either of these technologies.

Glamox has supplied Human Centric Lighting to more than 50 different European projects. We offer solutions that are applicable to schools, offices, healthcare institutions, industry and more. Read more about our HCL solutions on our website.

Benefits for users

- Stimulate a good circadian rhythm
- Helps you focus and stay alert
- Improves sleep quality
- Improves human performance



READ MORE ABOUT
OUR HCL SOLUTIONS
ON OUR WEBSITE.

Lower life cycle costs with light management

In most buildings it's possible to reduce operating costs by implementing a light management system. A reduction of energy consumption by 80 percent is not uncommon when you combine efficient LED luminaires with a light management system. You can also reduce maintenance cost and prolong the life time of the lighting installation.

Glamox can supply light management system on three levels of complexity:



Single group:

This is a system that allows you to control a single group of luminaires. On this level we offer a wide range of luminaires with integrated sensors. These sensors can be used to set up light management based on motion detection, daylight detection or a combination of the two.



Multiple group:

This is a system that allows you to control multiple groups of luminaires. On this level we offer Glamox DALI, a system based hand-picked DALI addressable components which we have tested for compatibility.



Central Monitoring:

This is a system that allows you to monitor and control complete lighting installations from one central point. A central monitoring system gives you a wide range of options, from mapping the energy consumption down to individual luminaires and monitoring the emergency light batteries to asset tracking and indoor navigation. On this level Glamox offers systems such as Glamox KNX, Glamox Central Monitoring and Glamox Wireless.



The C90 family is compatible with all our light management systems.



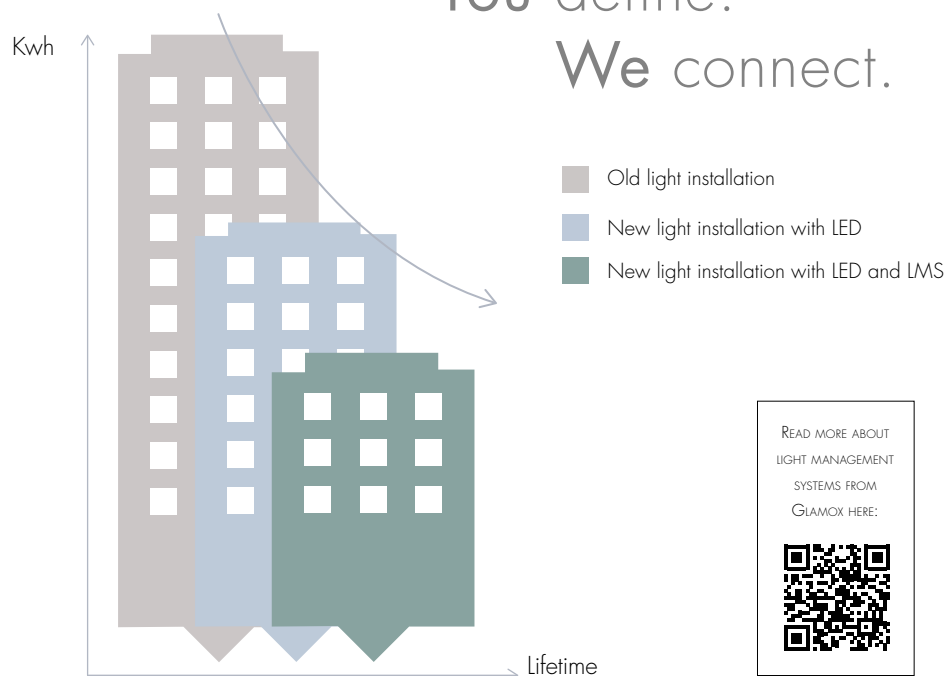
Why choose a light management system from Glamox?

We provide a safe choice. Our solutions are tested for compatibility in our laboratory. As a total supplier of both lighting products and light management systems we can also promise that we will take full system responsibility.

Our systems are:

- Easy to commission
- Easy to plan
- Flexible
- Easy to install
- Easy to use

You define.
We connect.



READ MORE ABOUT
LIGHT MANAGEMENT
SYSTEMS FROM
GLAMOX HERE:



If you upgrade your old light installation with a combination of LED luminaires and a light management system, it is possible to reduce the energy consumption for light by up to 80 percent. The new light installation will also have a significantly longer lifetime.

Glamox C90

C90-S



- Four different diameters, Ø420 mm, Ø570 mm, Ø870 mm and Ø1170 mm.
- Can be supplied with integrated emergency lighting systems (Standard, selftest or DALI addressable), 1 or 3 hours.
- Light output ranging from 1400 to 24 000 lumens.
- Can be supplied with tuneable white technology for Human Centric Lighting solutions.
- Available with DALI dimming and compatible with all Glamox LMS systems.
- Can be supplied with PIR sensor (SPR-SEN) for motion detection
- Can be supplied with PIR sensor (MPP-SEN) for combined motion and daylight detection.
- More sensor options may be available for this product. Check out our websites for updated information

C90-P



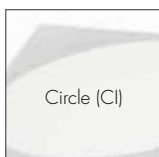
- Four different diameters, Ø420 mm, Ø570 mm, Ø870 mm and Ø1170 mm.
- Light output ranging from 2000 to 27 000 lumens.
- Can be supplied with integrated emergency lighting systems (Standard, selftest or DALI addressable), 1 or 3 hours.
- Can be supplied with tuneable white technology for Human Centric Lighting solutions.
- Available with DALI dimming and compatible with all Glamox LMS systems.
- Can be supplied with PIR sensor (SPR-SEN) for motion detection
- Can be supplied with PIR sensor (MPP-SEN) for combined motion and daylight detection.
- More sensor options may be available for this product. Check out our websites for updated information

C90-R



- Can be supplied with integrated emergency lighting systems (Standard, selftest or DALI addressable), 1 or 3 hours.
- Can be supplied with tuneable white technology for Human Centric Lighting solutions.
- Available with DALI dimming and compatible with all Glamox LMS systems.
- Can be supplied with a PIR sensor type SPR-SEN for motion detection with relay based ON/OFF switch.
- Can be supplied with PIR and Constant Light sensor with integrated DALI Power supply type MPP-SEN for combined motion and daylight detection.
- Can be supplied with slave PIR version type MPS-SEN, a PIR sensor connected in a corridor function for controlling a single group of luminaires
- More sensor options may be available for this product. Check out our websites for updated information.

Optiikat







Kinnarps, Sweden.



Nor Engros, Norway



Autohaus Wenner, Germany





Stord secondary school, Norway

Secondary school for 450 pupils. 15 Classrooms with Human Centric Lighting. Glamox C90-R CCT.



Metropolia Ammattikorkeakoulu, Finland





Glamox

Glamox is a leading supplier of lighting solutions to the professional building market, offering complete product ranges for schools, healthcare facilities, commercial and industrial buildings, retail facilities, hotels and restaurants.

Modern products and solutions

We offer a range of lighting brands, and provide our customers with expert advice and solutions. Our products are engineered for easy mounting, with modern electronic components and light sources for the best energy efficiency and economy. Our lighting solutions help create the experience of comfortable, flexible and stimulating working environments – enhancing efficiency and performance, while taking care of individual needs.

Quality and expertise

Our products and solutions are developed and tested by our engineers at our own research and testing facilities, and manufactured and certified in accordance with all relevant quality and environmental standards. They are based on the latest technology and expertise – and generations of experience.

