AIRWAVE Healthcare

LUXO

Luxo Maximum
Perfect balance
Maximum strength

✚ Self-balancing arms for bedside monitors in the healthcare sector

A history of caring for the healthcare sector

For more than 75 years Luxo has designed innovative, ergonomic lighting products and concepts. Luxo products improve lighting conditions, taking particular care of individual needs.

Our history of lighting for the individual begins with the development of the Luxo L-1 task light in 1937. The freedom of movement and the ability to place the light exactly where it was needed forever changed our working environments.

The secret was in the arm…

L-1 was designed by Luxo's founder, the industrialist Jac Jacobsen, and is still in production. The lamp arm is balanced by springs that work on the action and reaction principle of human arm muscles.

L-1 soon became known to improve performance in schools, offices and health care facilities, and a design icon among architects and designers all over the world. Jac Jacobsen soon realised that his spring balanced arm would carry a variety of different luminaires for various purposes – particularly in the medical sector. The decades following World War II saw the development of a wide range of products based on the L-1 arm: illuminated magnifiers, medical examination lamps, patients' reading lights and more.

…and still is!

Our engineers constantly strive to develop new applications for our technology – and new technology for a variety of new applications. Today we offer a range of specialised arms for many different applications. Each arm has its own characteristics and features making them suited to a multitude of product applications and business solutions. The most powerful of them all is the Maximum arm, with a load capacity of up to 10 kg. Having more than 100.000 Maximum arms installed has given us a wealth of experience and knowledge.

Dedicated to the medical sector

Above all, the medical sector needs dependable and hygienic equipment. Precision and reliability is a must. We have worked with the medical sector for many decades, and have developed a number of arms especially for hospital use. The majority of our medical luminaires are produced according to the ISO 13485 (medical) standard. We are familiar with the strict hygienic standards. We know what it takes and have the experience needed to be a supplier to the medical sector.

This L-1 L magnifier was manufactured in 1955. It is still in daily use. Luxo pioneered the development of arm-based products for the medical sector.

Luxo Maximum

The Maximum arm has been developed specifically for use with monitors and patient terminals. It offers long reach, perfect balance, and maximum vertical and horizontal movement.

It is easily repositioned as required. Wiring is built into the arm, allowing cabling with connectors be used without modification.

Made to order

The Maximum arm is made to order. A self-balancing arm with internal gas springs, the springs need careful calibration to match the weight of what it is meant to carry. Correctly calibrated, the arm will last for more than 30.000 cycles. The warranty for arm movement and components is 5 years.

The arm is designed to protect internal wiring, minimising stress and potential cable pinching. A version with a spring balanced VESA terminal mount is available upon request. A Product Specification Document, PSD, is required for any or ders.Standard colours are RAL 9010 (white) and RAL 7035 (light grey).

Minimising stress and potential cable breakage

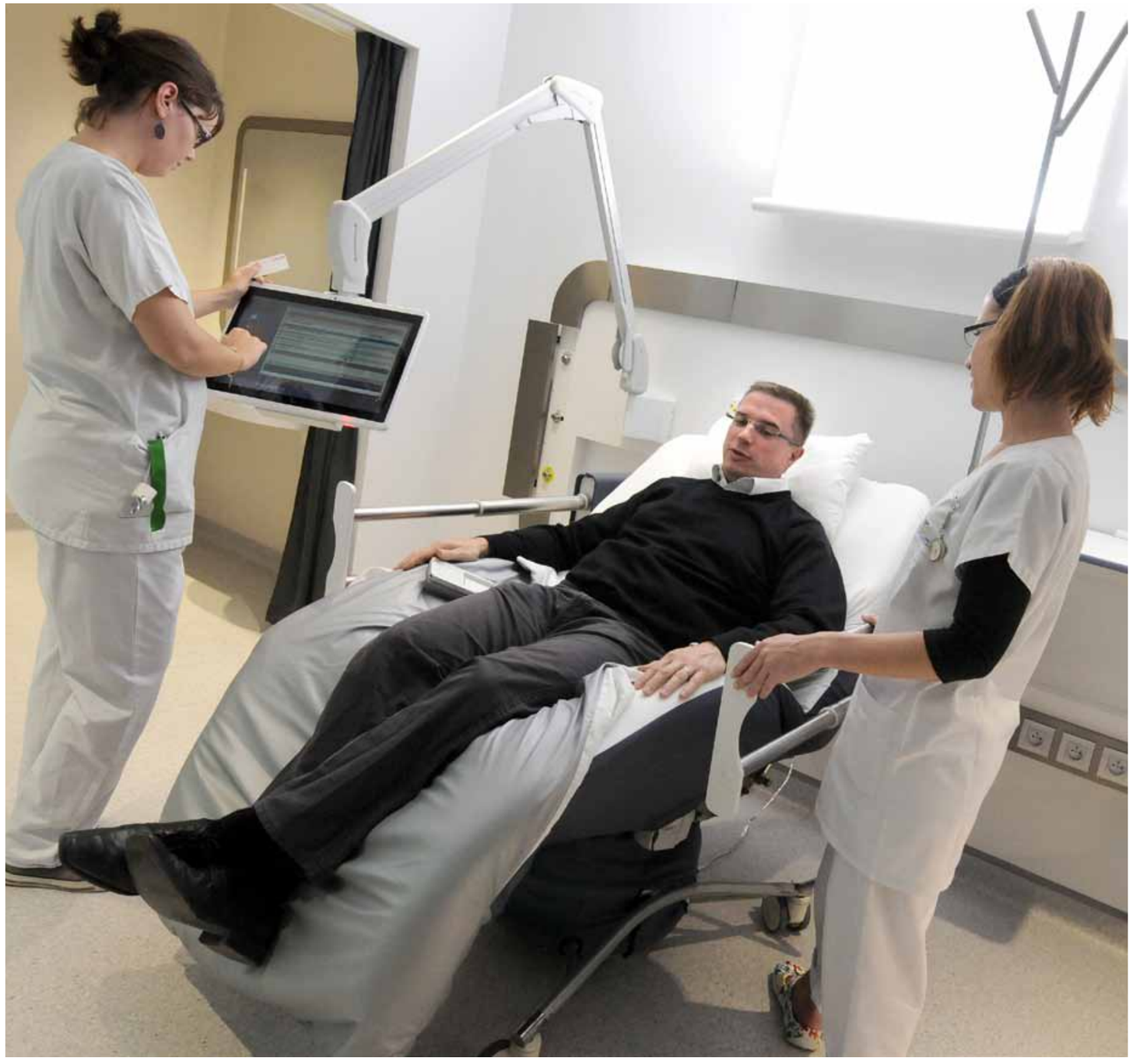
The arm is designed to fully protect internal wiring. It is designed to give room for 50 mm bending radii, minimising stress and potential cable breakage. Wiring is built into the arm, not pulled through. The advantage is that cabling with large connectors can be used without modification.

Easy maintenance

The fully covered arm is easy to clean.

An intricate internal spring system ensures smooth and easy positioning. Our Maximum arm will always stay in the right position without drifting.

Technical information



Maximum vertical and horizontal movement

The Maximum arm is especially designed for maximum horizontal and vertical movement. It provides maximum horizontal reach, and will always stay in the right position without drifting. The Maximum arm has a virtually maintenance free construction, and is easy to install.

Body material & colour

Aluminium arm. Colours: White or light grey.

Mounting

Available with male or female bottom spigot.

Arm technology & movement

Parallel, three-pivot arm. Arm lengths are 110 cm or 150 cm.

Load capacity

Load capacity is 1.0 kg to 10.0 kg for 110 cm arm, 1.0 kg to 7.0 kg for 150 cm arm. Low loads may require an extra weight to make the arm balance. Maximum total cable diameter: 10 mm.

Accessories

Maximum wall bracket

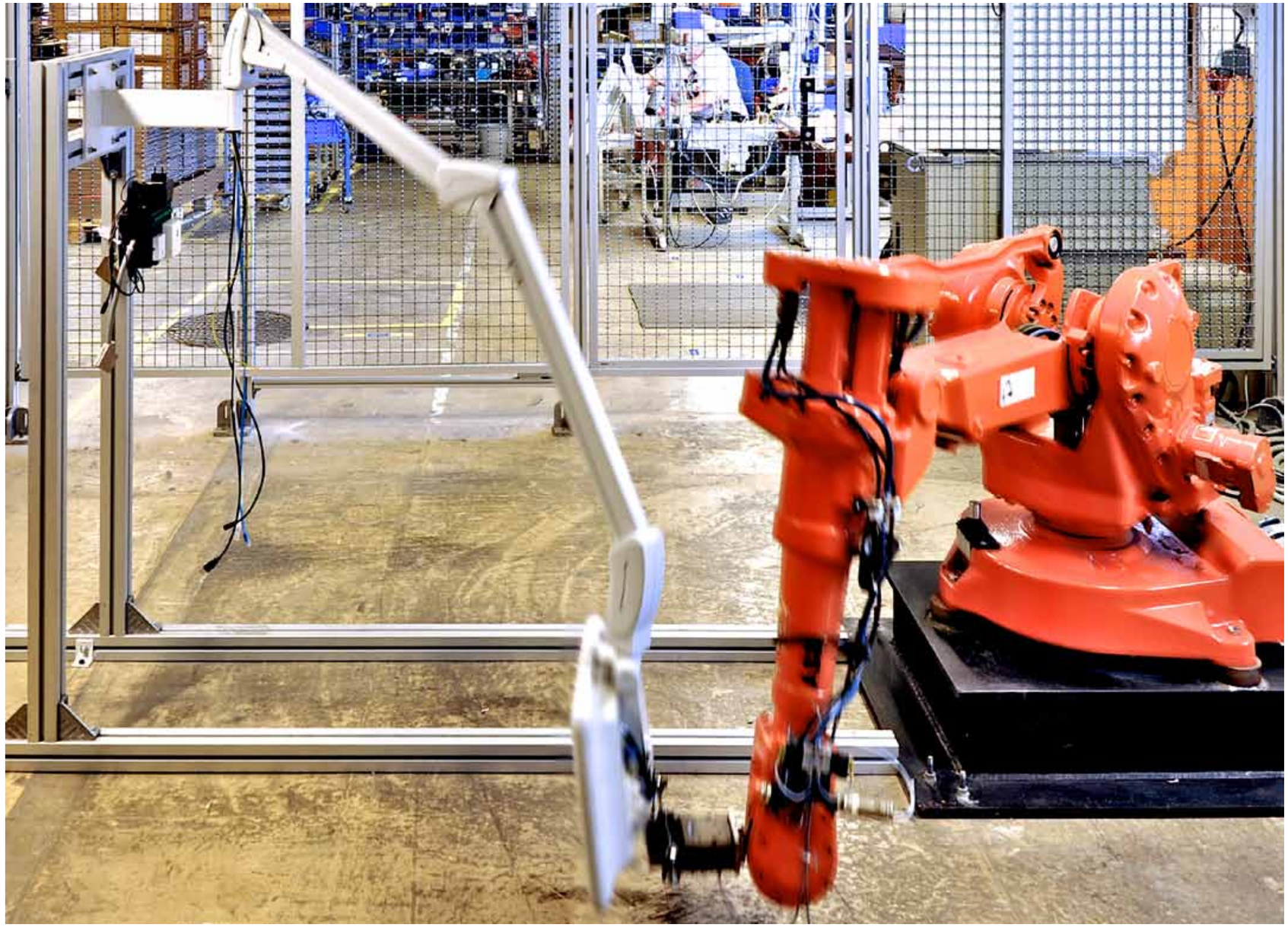
Heavy duty extruded aluminium bracket for wall mounting of the Maximum arm. Steel end caps and nylon bushings.
Colour: White or light grey.

Maximum wall box

Powder coated wall box to accommodate power supply transformer and for easy arm mount on weak wall constructions.
Colour: White or light grey.

Quality assurance and testing

Trust is good. Testing is even better. Because of the high demands on the quality and service life of the Maximum arm, we pay great attention to quality issues and testing.



Testing: 30.000 cycles during six weeks

All Luxo arms are tested at our own research and testing facilities. We run the Maximum arm (with cables) through cycle tests of 30.000 movements by robot. Each cycle lasts 2 minutes and involves all possible movements of the arm. The procedure takes a total of six weeks of continuous movement – day and night.

ISO certification

The Maximum arm is manufactured in accordance with the ISO 9001 quality standard. The factory also holds the ISO 14001 environmental approval and the ISO 13485 (medical) certificate. Our environmental routines are integrated in our quality systems.

IQNet

THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and Nemko AS
hereby certify that the organization

Glamox ASA, BU Luxo
Production Kirkenær
Oslo, Norway

for the following field of activities
Product development, purchasing and manufacturing related to lighting products, mechanical arms and copy holders

has implemented and maintains a
Quality Management System

which fulfils the requirements of the following standard

ISO 9001:2008

Issued on: 2011-09-13
Validity date: 2014-08-10

Registration Number : NO-800012

Michael Drechsel
President of IQNet

Pål Eddie
Nemko AS

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Oslo, Norway

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Product development, purchasing and manufacturing related to lighting products, mechanical arms and copy holders

has implemented and maintains a
Environmental Management System

which fulfils the requirements of the following standard

ISO 14001:2004

Issued on: 2011-09-13
Validity date: 2014-08-10

Registration Number : NO-801007

Michael Drechsel
President of IQNet

Pål Eddie
Nemko AS

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Production Kirkenær
Oslo, Norway

for the following field of activities
Product development, purchasing and manufacturing related to medical lighting products and accessories

has implemented and maintains a
Management System

which fulfils the requirements of the following standard

ISO 13485:2003

Issued on: 2011-09-13
Validity date: 2014-08-10

Registration Number : NO-908020

Michael Drechsel
President of IQNet

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Nemko AS

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Statutory requirements fulfilled

Our goal is to produce energy-efficient products, manufactured through energy-efficient and environmental-friendly processes.

Dedicated to the environment

Glamox Luxo Lighting satisfies the RoHS Directive (Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment) which aims to restrict the use of hazardous substances in electrical and electronic equipment. We do so through careful choice of electrical components and suppliers.

Our products satisfy the WEEE Directive (Waste Electrical and Electronic Equipment) which requires products to be developed and designed to facilitate materials or energy recovery.

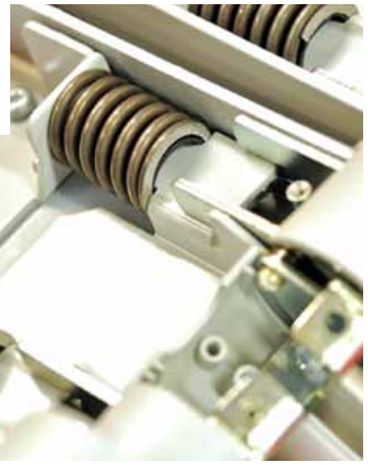
Environmental considerations are an integrated part of our business, and we hold the ISO 14001 environmental approval.

The Maximum arm is made to order at our factory in Kirkenær, Norway.

Hand made – in Norway

Our Maximum arm is built to the highest standards for flexibility and durability, with aluminium and prime quality steel as the most important materials. The arms are assembled by hand at our factory in Norway. We specify, design and build our own products, and control every step of the process.















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