

# highlights

Product innovations and  
additions

Autumn 2013





1 **LIGHT FIELDS**  
evolution

2 **ARCOS Xpert**

3 **ARCOS LED**  
wallwasher

4 **VIVO XS**

5 **VIVO M LED**

6 **Industrial lighting**

7 **CHIARO** LED

8 **SCUBA** LED

9 **METRUM** LED

10 **CIELOS** LED monocolor

11 **ECOOS** LED

12 **LINCOR**

13 **SINUS**

14 **LED** update

15 **myPRODUCT**

16 **Efficiency Upgrade**



# 1

## **LIGHT FIELDS** evolution LED luminaire range

Slimmer design and great lighting quality: a design revolution has been made possible by integrating LEDs into the frame of the new LIGHT FIELDS evolution pendant luminaire. With a height of just 28 mm, this slim-line lighting module accomplishes demanding lighting projects in office environments with effortless ease.

LIGHT FIELDS evolution meets exacting visual requirements in the workplace thanks to its unique MPO+ micro-pyramidal optic. This optic is precisely tuned to suit the distribution characteristics of the LED lighting points and guarantees glare-free light ( $UGR < 19$  and  $L65 < 1,500 \text{ cd/m}^2$ ) with a highly diffuse light distribution. This makes reflected glare on notebooks and tablets a thing of the past.

Besides perfect workplace lighting, the balanced ratio of indirectly and directly guided light produced by the surface-mounted and pendant luminaire versions of LIGHT FIELDS evolution cannot fail to impress. The homogeneous indirect component of this slim-line lighting module provides an open room atmosphere and well-balanced lighting. With a luminaire efficiency factor in excess of 105 lm/W at 4,000 K, this LED luminaire makes a significant contribution towards sustainable and energy-efficient added value in a commercial setting. There are boundless application possibilities thanks to a wide variety of designs: LIGHT FIELDS evolution is available as a recessed, surface-mounted, pendant or free-standing luminaire and as a wallwasher.



## 2

### **ARCOS** Xpert LED spotlight

Masterful precision and clear design. In ARCOS, David Chipperfield has created a luminaire range with a purist, unobtrusive stylistic idiom that concentrates on just two tasks: delivering the best lighting for works of art in museums and exhibitions and providing an authentic artistic experience. The ARCOS Xpert LED spotlight meets all the requirements placed on contemporary accent lighting in museums and galleries and also satisfies exacting conservational requirements.

Works of art are presented in a very natural, gentle manner without multiple shadows thanks to the high colour rendering index (Ra 94) and constant colour temperature. Pinpoint superspot light distribution is used to accentuate even the minutest details. This high-precision lighting is made possible by an in-house developed and patented conical dual reflector. The ARCOS Xpert spotlight solves various lighting tasks by using five different replaceable optics, four different lenses and two louvre designs to prevent direct glare. What all these optical units have in common is accuracy and homogeneity: accent lighting is provided only where it is actually needed.

The ARCOS Xpert lighting solution is complemented by really useful additional features such as direct dimmability on the luminaire or via DALI plus lockability, cool-touch functionality and rotating attachment holders. Due to its compact size, ARCOS Xpert blends flexibly into any architectural setting; with a power consumption of only 22 W, it offers enormous potential savings while providing gentle illumination for delicate exhibits.





# 3

## **ARCOS LED Wallwasher** Linear wallwasher

The ARCOS LED wallwasher providing uniform illumination of vertical surfaces in museums and galleries is the latest addition to the ARCOS product range. Thanks to a sophisticated optical solution and constant colour temperature of individual LEDs, the standard 620 mm version and the short 320 mm version of this dimmable linear wallwasher ensures homogeneous illumination of surfaces. The luminaire features a luminous flux of 900 lm or 1,800 lm in order to deliver high illuminance levels while also meeting relevant conservation requirements. Used in conjunction with ARCOS LED spotlights, this linear wallwasher is a complete lighting solution for museums and galleries and ensures that works of art are presented in a natural manner. The ARCOS product range means that there is now a lighting solution for museums and galleries that is based on efficient LED technology and has just one purpose: creating superb centre-stage settings for art.





4

**VIVO XS**

Compact LED spotlight

The highly successful VIVO LED spotlight range now offers the perfect lighting solution for a wide variety of lighting tasks in retail areas: the new VIVO XS LED spotlight. With a slender diameter of just 65 mm, VIVO XS is the smallest commercially available spotlight for powerful retail lighting (up to 1,000 lm) and is therefore ideally suitable for illuminating relatively small retail premises. The smallest model in the VIVO product range owes its tiny dimensions to an innovative combination of passive cooling and a compact LED optic. Despite its reduced dimensions, it is big when it comes to lighting quality: the spotlight stands out thanks to its high colour rendering index (Ra > 90) and highly effective light distribution which provides high illuminance levels.

DESIGN EOOS  
zumtobel.com/vivo



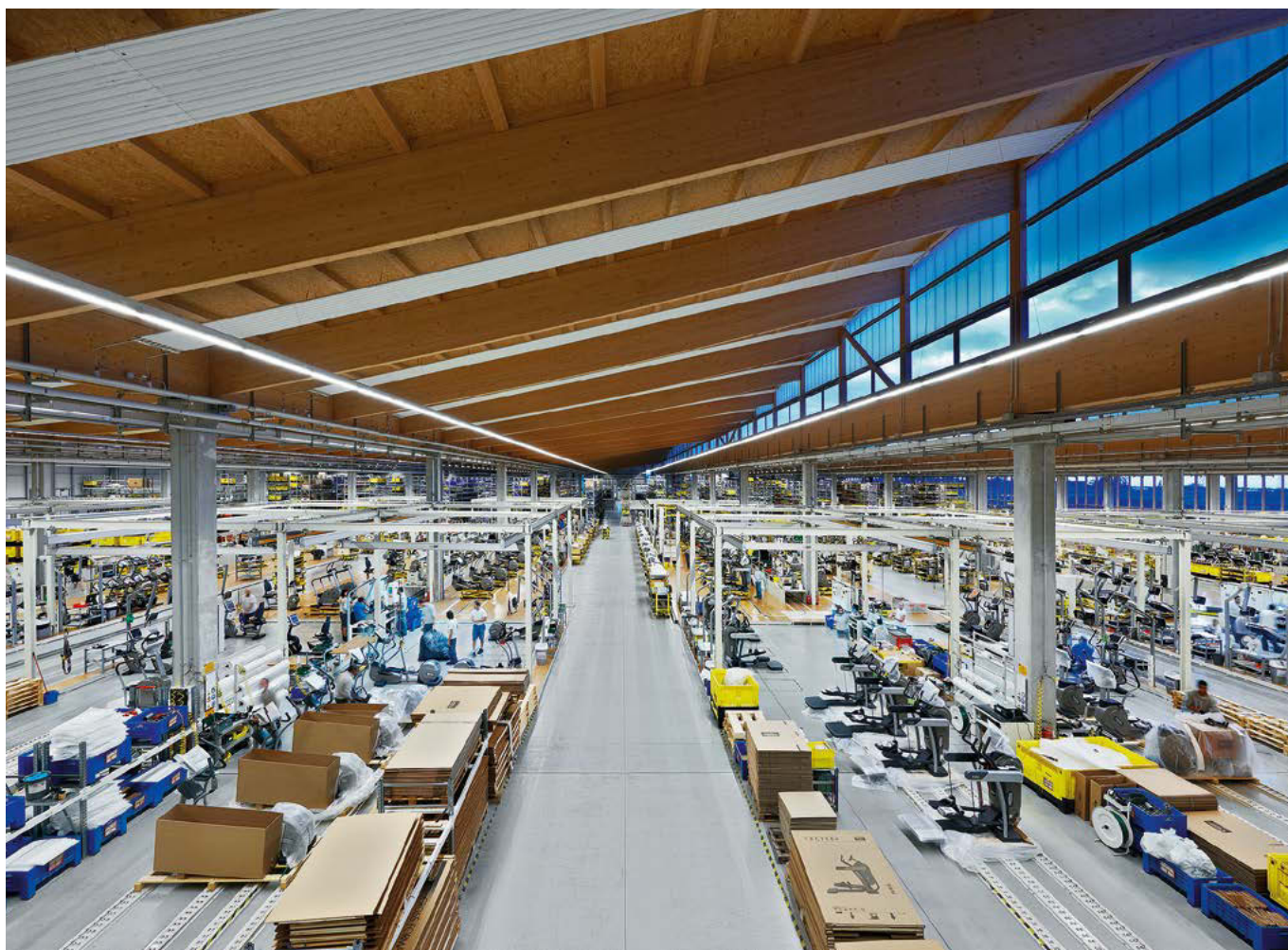
5

**VIVO M LED**

Spotlight

VIVO M, one of the most successful products in the VIVO spotlight range, is now available as an LED version. The compact sales-boosting luminaire boasts excellent colour rendering, glare-free light and particularly a uniform light distribution. IR- and UV-free technology makes it possible to illuminate sensitive products, such as groceries for example, very gently.

DESIGN EOOS  
www.zumtobel.com/vivo



# 6

## **Industrial lighting**

Light in industrial applications

Lighting is an important factor that helps create added value in industrial enterprises. Improved productivity, reduced CO<sub>2</sub> emissions, high reliability and adaptability to cope with future changes are four factors that make a significant contribution towards sustainable manufacturing. In order to see the potential that can be achieved by using Zumtobel solutions, take a look at the examples of lighting applications in industry and lighting analysis at: [zumtobel.com/industriallighting](http://zumtobel.com/industriallighting)



7

**CHIARO LED**

Moisture-proof luminaire IP 65

The CHIARO LED 840 moisture-proof luminaire delivers an impressive 5,900 lm or 6,400 lm with a wattage of just 54 W and is available in either an intermediate or cool colour temperature. CHIARO LED achieves significant potential energy savings thanks to its luminaire efficiency factor of 109 lm/W with a colour temperature of 4,000 K or 118 lm/W with a colour temperature of 6,500 K.

[zumtobel.com/chiaro](http://zumtobel.com/chiaro)



8

**SCUBA LED**

Moisture-proof luminaire IP 65

With an installed load of 54 W, SCUBA LED now offers a choice of luminous flux levels from 5,800 lm (SCUBA LED 840) up to 6,300 lm (SCUBA LED 765). Two colour temperatures are available depending on specific needs: 4,000 K or 6,500 K. In case of continuous operation – in car parks for example – moisture-proof luminaires with a luminaire efficiency factor of up to 108 lm/W (SCUBA LED 840) or 117 lm/W (SCUBA LED 765) have proved to be an efficient lighting solution.

DESIGN Massimo Iosa Ghini

[zumtobel.com/scuba](http://zumtobel.com/scuba)



# 9

## **METRUM LED**

Continuous-row lighting system

The METRUM LED continuous-row lighting system cannot fail to impress thanks to its high luminaire efficiency and straightforward planning and installation. Trunking, luminaire and LED optic form a fixed luminaire unit; this reduces installation effort significantly. Available in two different lengths (2 m and 3 m) and with narrow-beam and wide-angle light distribution, METRUM LED is able to solve a wide variety of lighting tasks. This continuous-row system also offers excellent colour rendering ( $R_a > 80$ ) with an intermediate colour temperature of 4,000 K. An excellent luminaire efficiency of up to 120 lm/W shows that Zumtobel has also done a fantastic job with this LED version when it comes to sustainability.

[zumtobel.com/metrum](http://zumtobel.com/metrum)

# 10

## **CIELOS** LED monocolor Modular lighting system



Regardless of whether it is used as an impressive luminous ceiling or a shining wall-mounted lighting module, CIELOS uses diffuse surface lighting as a variable, malleable design element, thereby producing an impressively emotional effect. The LED modules in the new CIELOS monocolor LED system ensure excellent light distribution and a constant colour temperature. Available in two different sizes (600 mm or 900 mm), the square luminaire is the perfect solution for various applications and is also impressively cost efficient.

DESIGN Billings Jackson Design  
[zumtobel.com/cielos](http://zumtobel.com/cielos)

# 11

## **ECOOS** LED Pendant and surface-mounted luminaire



ECOOS LED meets exacting expectations when it comes to design, efficiency and visual comfort: an innovative combination of micro-pyramidal optic (MPO+) and diffuser-pearl material enables unique 360° light distributions to ensure the best possible visual comfort and glare control in offices and teaching areas. The timeless, sophisticated design of the luminaire adds a perfect flourish to any architectural and lighting design concept. Available as a pendant or surface-mounted LED luminaire in various lengths, this latest evolutionary iteration of ECOOS is particularly flexible in use. Installation using TECTON trunking provides even more scope for creative design. The luminaire is available in a warm or intermediate colour temperature. The LED version's luminaire efficiency factor of 74 lm/W also improves sustainability and cost effectiveness in professional applications.

[zumtobel.com/ecoos](http://zumtobel.com/ecoos)

# 12

## **LINCOR** Pendant and surface-mounted LED luminaire



LINCOR's clear design brings a linear look into offices. By its focus on technical essentials and its cross-sectional area of just 6 × 6 centimetres, the luminaire emphasises architectural ideas and blends seamlessly into various settings. Its luminance-reducing optic (LRO) allows complete freedom of movement: microprisms in the luminaire reduce harsh shadows in task areas and annoying reflections on screens. The surface-mounted version of LINCOR is the perfect solution for offices with low ceilings. A luminaire efficiency factor of more than 89 lm/W makes LINCOR a sustainable office lighting solution.

[zumtobel.com/lincor](http://zumtobel.com/lincor)



# 13

## **SINUS**

LED medical supply unit

In healthcare and nursing facilities, the challenge is to create ideal lighting conditions catering for various needs. While Doctors and care staff need ideal lighting conditions to perform treatments and examinations, patients need ideal lighting conditions to aid their convalescence.

Zumtobel developed its SINUS LED medical supply system for patient rooms by drawing on the findings of international research studies – a system that manages to reconcile different requirements: featuring innovative LED technology, SINUS offers the right lighting for every situation with four lighting scenes: room light (5,940 lm per bed), examination light (6,770 lm), reading light (830 lm) and nightlight (50 lm). The LED room lighting with indirect light distribution can be positioned continuously anywhere over the entire length of the supply unit.

The electrically movable LED reading light inside the horizontal SINUS supply unit allows maximum flexibility when determining room layouts: lighting can be adapted to suit the arrangement and number of beds in a patient room at the touch of a button. This new scope for creative design also makes big savings possible.

The system's high luminaire efficiency factor of 101 lm/W and Zumtobel's 5-year product guarantee offer further scope for potential cost reductions. Components such as socket outlets, switches and phones, emergency nurse call buttons and data jacks for communications, as well as pipes for medical gases, are all unobtrusively housed in the SINUS system. This makes SINUS a functional supply unit that is capable of making a significant contribution towards a feel-good atmosphere in patient rooms.





# 14

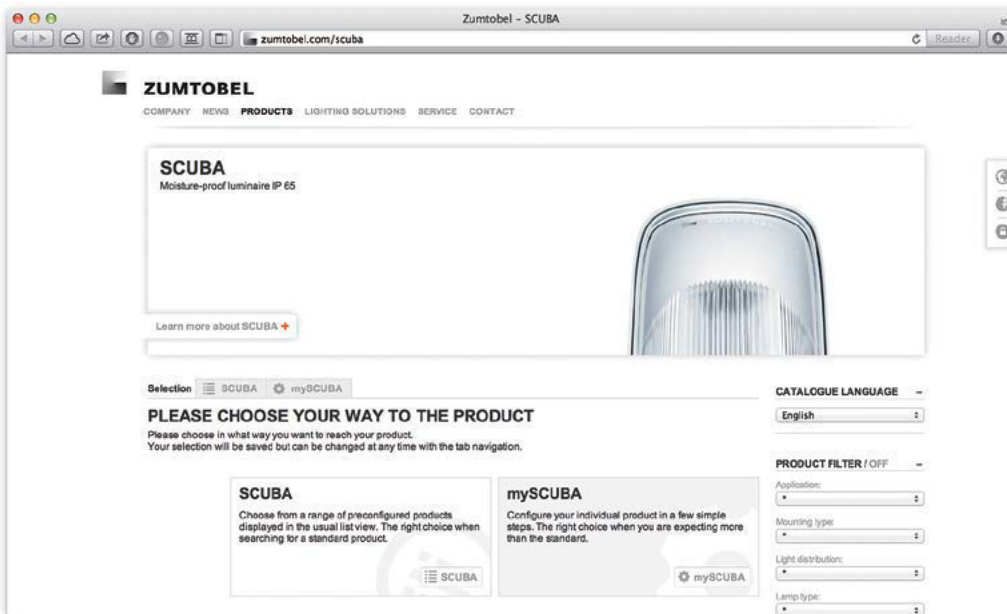
## **LED** update

Medical supply units and bedside luminaires

LED products are currently taking Zumtobel's lighting solutions for health and care applications by storm. Medical supply units VE-L, PURELINE II, the IMWS integrated medical wall system PURELINE II and BELIA bedside luminaires, are now all available with LED technology and are already enabling sustainable medical supply. The low maintenance effort and long service life of LED systems are not only impressive in economic terms; these solutions also have a positive impact on ambience and deliver light that is perfectly adjusted to suit various situations in accordance with EN 60598-2-25 standards – from examination through to reading light.

[zumtobel.com/medicalsupplysystems](http://zumtobel.com/medicalsupplysystems)





# 15

## myPRODUCT










More than a million luminaire versions

In future you will be able to configure Zumtobel luminaires yourself: simply select a product on our website, go to the myPRODUCT configurator and choose the appropriate options to suit your individual project requirements from a wide variety of additional functions. The offering in our Product Catalogue will be enriched by more than 1 million versions and will provide additional solutions for your specific project.

[zumtobel.com/products](http://zumtobel.com/products)

# 16

## Efficiency Upgrade

	Luminaire Efficiency	Wattage
 <b>TUBILUX LED</b>		22 W
		44 W
		55 W
		66 W
	85 lm/W <b>+63 %</b>	88 W
 <b>MLV</b>		28 W
	107 lm/W <b>+29 %</b>	37 W
 <b>ONDARIA</b>	73 lm/W <b>+74 %</b>	30 W
	89 lm/W <b>+117 %</b>	59 W
	92 lm/W <b>+200 %</b>	129 W
 <b>PERLUCE Q310 LED</b>	97 lm/W <b>+183 %</b>	19 W
 <b>TECTON BASIC LED</b>	110 lm/W <b>+28 %</b>	47 W
 <b>ZX2 LED</b>	110 lm/W <b>+28 %</b>	47 W
 <b>CARDAN LED</b>	64 lm/W	
	78 lm/W <b>+10 %</b>	36 W
 <b>VIVO LED</b>	64 lm/W	
	78 lm/W <b>+10 %</b>	36 W
 <b>IYON LED</b>	64 lm/W	
	78 lm/W <b>+10 %</b>	36 W



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