



ZUMTOBEL

BELIA

A single-bed luminaire resembling a wing: ideal for medically used rooms with a homely ambience. Including the option for additional supply elements.



Ideal lighting conditions for patients and care personnel

BELIA combines functionality with emotional strength





Light has an effect. And not only physically but also emotionally. Lighting conditions are a decisive factor for the well-being of patients, especially in care settings – and in part even determine the course of their convalescence. The BELIA single-bed luminaire is the ideal solution for rooms without sophisticated supply requirements, for rehabilitation clinics, nursing homes and homes for

the elderly. With its direct-beam, glare-free reading light it gives back to patients some of their privacy even in multi-bed rooms, supplying care personnel with the required examination lighting and creating perfect working conditions with its simple operation. Its appealing design and innovative longitudinal glare control, its clear design layout and easy-to-clean surfaces, its energy-saving night light and capacity for optional supply elements make BELIA the perfect partner for situations where a luminaire must fulfil several visual tasks with cost efficiency and distinction.

Succinct design, warm radiation

BELIA soothes

A luminaire without edges and corners, yet clear and noticeable: the lighting technology of the BELIA single-bed luminaire is incorporated within a particularly flowing design that satisfies requirements for more homeliness in care environments. The rounded forms appear

warm and friendly and uniform curves provide peace of mind for the observer. And the form underlines the function: thanks to the distinct subdivision of the luminaire into two levels for indirect and direct light, a clear visual classification is assured. And with materials and colours,

highest priority was given to an attractive, clean appearance. High-quality aluminium, powder-coated with a uniform colour (metallic grey) underlines BELIA's elegant character.



BELIA DESIGN NPK INDUSTRIAL DESIGN

"The design of an aeroplane wing, streamlined and with all components arranged in a compact way, was the inspiration for a completely new type of single-bed luminaire. This created the basis for optimum inte-

gration of unique direct-lighting technology. Its clean, elegant character with rounded corners gives BELIA an appealing, patient-friendly appearance."



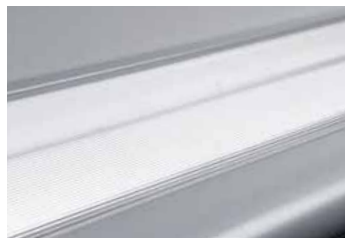
One luminaire four lighting scenes

BELIA is adjustable



Room lighting

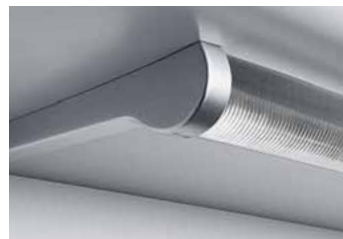
The lighting requirements of patients are different to those of doctors and care personnel. The luminaire should be multi-functional, should be able to meet the widest range of visual tasks, and in terms of efficiency should always take the most economical route. Two innovative lighting principles create the desired scope for satisfying these needs.



Over the entire length of the luminaire up to the lateral panels, indirect light floods into the room. BELIA gives the room an appearance of depth: two specular reflectors side by side guarantee optimum output, and the diffuser with longitudinal prisms ensures both effective glare control and direction of light.



Examination lighting



A new principle for BELIA's direct component guarantees outstanding, glare-free lighting with a comfortable 300 Lux upon the reading surface. With the combination of acrylic rods and micro-vane louvres, the optical system sets new standards in terms of glare control – in both longitudinal and lateral axes.



Reading light

Room lighting

BELIA really creates lighting conditions for well-being. The room is fed with indirect light right into its corners, and longitudinal prisms within the diffuser are a clever detail with great effect. They restrict a direct view into the luminaire and instead create a feeling of well-being with optimum light distribution.

Examination lighting

Thanks to the interplay of room lighting and direct light, BELIA assures precise and focused examination lighting, thus guaranteeing doctors and care personnel good working conditions.



Night lighting

Reading light

When people must spend most of their time in bed, a high-quality, gentle light relieves the burden of a hospital stay and promotes recovery. BELIA provides a reading light for patients that conforms with relevant standards, disturbing neither the patients nor their neighbours and is always available within reach, independent of room lighting.

Night lighting

The night lighting linearly integrated within the luminaire body gently penetrates the darkness and gives orientation. Within BELIA, an indirect component fluorescent lamp is positioned laterally next to the room lighting reflector for this purpose. What's special: despite the lateral arrangement, the symmetry of the luminaire is not affected.



Compatible and extremely contact-friendly

Optional supply elements for BELIA

BELIA has, at least on the outside, the dimensions of a classical single-bed luminaire and yet at a length of 580 mm offers space for several supply components. The infeed of these occurs centrally on the rear side.

If not all of the required supply components can be integrated into the luminaire, BELIA can be connected to a medical unit such as CONBOARD. The result is an attractive supply solution that provides both energy, communications and data systems as well as medical gases.



- 1 One or two flush-fitted, integrated safety sockets
- 2 A nurse call system that allows a comfortable switching of reading light via an optionally integrated impulse switch
- 3 A flush-fitted, integrated telecommunications/data socket

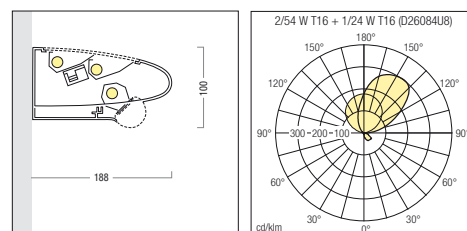


BELIA



- Integrated room lighting and reading light
- High-quality reflectors made of highly specular MIRO material
- Plexiglass rod for focusing the direct component onto the reading plane
- Top diffuser has prismatic design for directing the indirect light component
- LED 30 W reading light with luminaire efficiency of 20 lm/W, luminous flux > 520 lm
- LED "stable white" luminaire with stabilized 4300 K colour temperature, colour rendering CRI RA > 80
- LED service life 50,000 h at 70 % luminous flux
- Luminaire made of extruded aluminium section
- Powder-coated in RAL9006, white aluminium
- Separate night lighting possible
- Up to four integrated power or telecoms components, depending on project, can be flush-fitted into the underside of the light profile.

	L/W/H	kg	Order no.
Room light and reading light	<i>electronic</i>		
2/39 W T16 + 1/24 W T16	1150/188/100	6,5	42 176 700
2/54 W T16 + 1/24 W T16	1450/188/100	8,0	42 176 701
Dimmable room light; reading light	<i>dimmable Dali</i>		
2/39 W T16 + 1/24 W T16	1150/188/100	6,5	42 176 702
2/54 W T16 + 1/24 W T16	1450/188/100	8,0	42 176 703
Room light, reading light and night light	<i>electronic</i>		
2/39 W T16 + 1/24 W T16 + 1/5-7 W TC	1150/188/100	6,8	42 176 704
2/54 W T16 + 1/24 W T16 + 1/5-7 W TC	1450/188/100	8,3	42 176 705
Room light T16; reading light LED	<i>electronic</i>		
2/39 W T16 + 30 W LED843	1150/188/100	6,5	42 179 873
2/54 W T16 + 30 W LED843	1450/188/100	8,0	42 179 910



Design aid

Surface: Metallic grey

RAL _____

Lighting	Ballasts		Selection	Circuit	Comments
	Low-loss ball	Electr. ball			
2 x 39 W T16 + 1 x 24 W T16		<input checked="" type="checkbox"/>			
2 x 54 W T16 + 1 x 24 W T16		<input checked="" type="checkbox"/>			
1 x 5-7 W TC ; night lighting					
Impulse switch with built-in supply					

Mains power	Make/Type	Number*	Circuit	Comments
Safety socket 230 V/16 A	Zumtobel standard			
Safety socket 230 V/16 A; green	Zumtobel standard			
Off/changeover switch 230 V/10 A	Zumtobel standard			
Momentary-action switch 230 V/10 A	Zumtobel standard			

Communications	Make/Type	Number*	Circuit	Comments
Communication plug-in device				
Telephone socket				
IT socket				

* For the installation of mains power and communication equipment components, four slots are provided.

Installation notes

General installation instructions

Installation must be performed in accordance with instructions enclosed with the product, and must only be carried out by skilled qualified staff.

Installation steps

- Mark out feed-in area starting from mounting centreline and centreline
- Note: telecommunications and data technology systems are connected directly to the

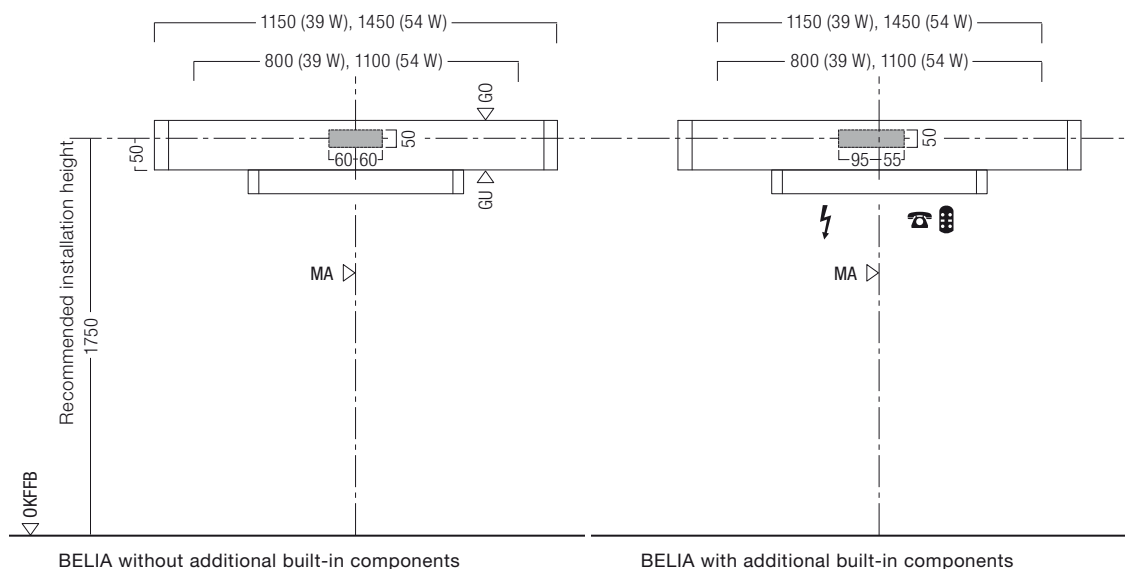
- component without cutting; minimum excess length of leads 350 mm
- Mark fixing points
- Drill fixing holes and fit wall plugs

Feed-in opening and fixing holes

■ = Feed-in opening

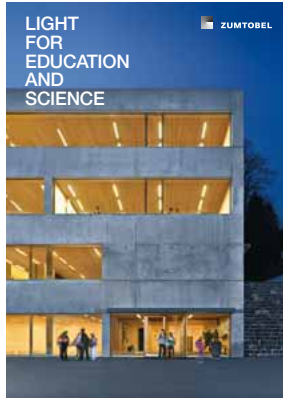
Abbreviations

- GO = Top side of unit
- GU = Underside of unit
- MA = Mounting centreline
- OKFFB = Top edge of finished floor





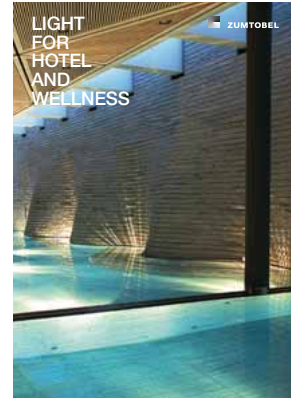
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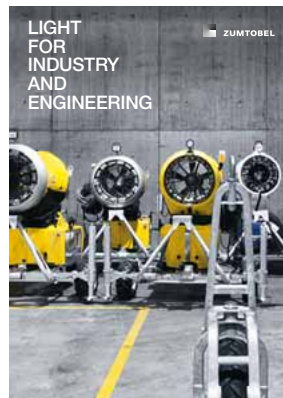
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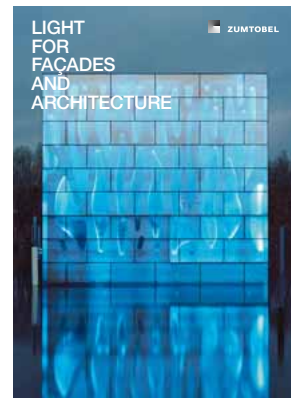
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Zumtobel is the internationally leading supplier of integral lighting solutions for professional interior and exterior lighting applications.

- Offices and Communication
- Education and Science
- Presentation and Retail
- Hotel and Wellness
- Art and Culture
- Health and Care
- Industry and Engineering
- Façades and Architecture

We provide unique customer benefits by integrating technology, design, emotion and energy efficiency. Under the Humanergy Balance concept, we combine the best possible ergonomic lighting quality for an individual's well-being with the responsible use of energy resources. The company's own sales organisations in twenty countries, as well as commercial agencies in fifty other countries, form an international network of experts and design partners providing professional lighting consulting, design assistance and comprehensive services.

Lighting and sustainability

In line with our corporate philosophy "We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment", Zumtobel offers energy-efficient high-quality products, while at the same time making sure that our production processes based on the considerate use of resources are environmentally compatible.

zumtobel.com/sustainability



Top quality – with a five-year guarantee.

As a globally leading luminaire manufacturer, Zumtobel provides a five-year guarantee for its complete product range with effect from 1 April 2010.

zumtobel.com/guarantee

Order no. 04 900 181-UK 11/07 © Zumtobel Lighting GmbH
 Technical data was correct at time of going to press.

We reserve the right to make technical changes without notice. Please contact your local sales office for further information. For the sake of the environment: Luxo Light is chlorine-free paper from sustainably managed forests and certified sources.





Track and spots



Modular lighting systems



Down-/Uplights



Recessed luminaires



Surface-mounted and pendant luminaires



Task, wall and uplights



Continuous row and batten luminaires



High-bay luminaires



Luminaires with extra protection



Lighting management



Emergency lighting



Medical supply systems



United Kingdom

Zumtobel Lighting Ltd.
Unit 4 - The Argent Centre,
Pump Lane
Hayes/Middlesex UB3 3BL
T +44/(0)20 8589 1800
F +44/(0)20 8756 4800
uksales@zumtobel.com
www.zumtobel.co.uk

USA and Canada

Zumtobel Lighting Inc.
17-09 Zink Place
Fair Lawn, New York 07410
T +1/(0)973/340 89 00
F +1/(0)973/340 98 98
zli.us@zumtobel.com
www.zumtobel.us

Australia and New Zealand

Zumtobel Lighting Pty Ltd
333 Pacific Highway
North Sydney, NSW 2060
T +61/(2)8913 5000
F +61/(2)8913 5001
info@zumtobel.com.au
www.zumtobel.com.au

China

Zumtobel Lighting China
Shanghai office
Room 101,
No 192 YIHONG Technology Park
Tianlin Road, Xuhui District
Shanghai City, 200233, P.R. China
T +86/(21) 6375 6262
F +86/(21) 6375 6285
sales.cn@zumtobel.com
www.zumtobel.cn

Hong Kong

Zumtobel Lighting Hong Kong
Unit 319, Level 43,
Tower 1, Metroplaza,
223 Hing Fong Road,
Kwai Chung, N.T.
T +852/(0)2503 0466
F +852/(0)2503 0177
info.hk@zumtobel.com

India

Zumtobel Lighting GmbH
A 274, 1st Floor,
Defence Colony,
110024 New Delhi
T +91/98 102 19 531
enquiries.india@zumtobel.com

Singapore

Zumtobel Lighting Southeast Asia
5 Kaki Bukit Crescent,
#04-02 Koyotech Building
416238 Singapore
T +65 6844 5800
F +65 6745 7707
info.sg@zumtobel.com

United Arab Emirates

Zumtobel Lighting GmbH (Branch)
Dubai Airport Free Zone,
Building 6W, B Block, 233
PO Box 54302
Dubai
T +971/(0)4 299 3530
F +971/(0)4 299 3531
info@zumtobeluae.ae

Romania

Zumtobel Lighting Romania SRL
Tipografilor 11-15,
S-Park Office, Wing A1-A2
013714 Bucharest
T +40 312253801
F +40 312253804
welcome.ro@zumtobel.com
www.zumtobel.com

Hungary

Zumtobel Lighting Kft
Lomb u. 15
1139 Budapest
T +36/(1) 35 00 828
F +36/(1) 35 00 829
welcome@zumtobel.hu
www.zumtobel.hu

Croatia, Bosnia and Herzegovina

Zumtobel Licht d.o.o.
Radnička cesta 80 – Zagrebtower
10000 Zagreb
T +385/(1) 64 04 080
F +385/(1) 64 04 090
welcome@zumtobel.hr
welcome.ba@zumtobel.com

Serbia

Zumtobel Licht d.o.o.
Karadjordjeva 2-4
Beton Hala
11000 Belgrade
T +385/(1) 64 04 080
F +385/(1) 64 04 090
welcome@zumtobel.rs

Czech Republic and Slovak Republic

Zumtobel Lighting s.r.o.
Jankovcova 2
Praha 7
170 00 Praha
T +420/(2) 66 782 200
F +420/(2) 66 782 201
welcome@zumtobel.cz
www.zumtobel.cz

Poland

Zumtobel Licht GmbH Sp.z.o.o.
Platinum III
ul. Wołoska 9a
02-583 Warszawa
T +48/(22) 856 74 31
F +48/(22) 856 74 32
welcome@zumtobel.pl
www.zumtobel.pl

Slovenia

Zumtobel Licht d.o.o.
Štukljeva cesta 46
1000 Ljubljana
T +386/(1) 5609 820
F +386/(1) 5609 866
welcome@zumtobel.si
www.zumtobel.si

Russia

Zumtobel Lighting GmbH
Official Representative Office
Skakovaya Str, 17
Bld. No 1, Office 1104
125040 Moscow
T +7/(495) 945 36 33
F +7/(495) 945 16 94
info-russia@zumtobel.com
www.zumtobel.ru

Norway

Zumtobel Belysning
Hoffsveien 4
Postboks 1025 Hoff
0218 Oslo
T +47 22 06 50 50
F +47 22 06 50 52
firmapost@zumtobel.com
www.zumtobel.no

Sweden

Zumtobel Belysning
Birger Jarlsgatan 57
113 56 Stockholm
T +46 8 26 26 50
F +46 8 26 56 05
info.se@zumtobel.com
www.zumtobel.se

Denmark

Light Makers AS
Indiavej 1
2100 København/Copenhagen
T +45 35 43 70 00
F +45 35 43 54 54
lm.sales@lightmakers.dk
www.lightmakers.dk

Headquarters

Zumtobel Lighting GmbH
Schweizer Strasse 30
Postfach 72
6851 Dornbirn, AUSTRIA
T +43/(0)5572/390-0
F +43/(0)5572/22 826
info@zumtobel.info

Zumtobel Licht GmbH

Grevenmarschstrasse 74-78
32657 Lemgo, GERMANY
T +49/(0)5261 212-0
F +49/(0)5261 212-7777
info@zumtobel.de

www.zumtobel.com



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