



ZUMTOBEL

HELISSA

Wall and ceiling-mounted luminaires

Indoors or outdoors, an impressive presence and a uniform design.

[Update 08/2008](#)



Indoors and outdoors

An all-round talent in every department

Effective as well as energy-saving: the decorative HELISSA wall and ceiling-mounted luminaire masterfully sets corridors, staircases, functional areas, wellness and outdoor areas centre-stage. Luminaires with

the same visual look and IP 40 and IP 65 protection create a unique opportunity to implement lighting solutions in a single consistent upmarket design as one moves from indoors to outdoors.





House Schwarz, Kennelbach/A

Functional and versatile

One design, many application areas

Discreet design

Both the round and square versions of HELISSA blend seamlessly into their architectural surroundings thanks to their unobtrusive design. A subtle white or coloured corona gives the luminaire an incredibly weightless look and emphasises its decorative appearance.

High-quality materials

The diffuser is made of UV-resistant polycarbonate (IP 40) or high-quality satin-finished glass (IP 65). HELISSA's elegant design is topped off by a solid frame made of polished specular aluminium in a white or titanium finish.





HELISSA
round



HELISSA
square

HELISSA IP 40

Unobtrusive and adaptable

HELISSA really comes into its own in all situations where attractive, efficient lighting is required at affordable cost. HELISSA is a comprehensive luminaire product line which includes emergency lighting versions to take care of all essential tasks in passageways and functional areas. With its

unobtrusive shape and colour, it blends harmoniously into any surroundings. When mounted on a wall or ceiling, indirectly radiated light wraps the luminaire in a soft corona which, together with diffuse direct light, produces an agreeable room atmosphere.





Handels GmbH Inhaus, Hohenems/A

Photo on left:
Roos medical practice,
Jever/D
Photo on right:
DMG Maschinenbau,
Klaus/A



Flexible, economical

and surprisingly uncomplicated

Flexible in terms of form and function

Even nondescript areas can now be lifted out of the shadows, as HELISSA offers plenty of scope for creative design: round and square designs, two sizes, the option of fit-

ting fluorescent lamps or compact fluorescent lamps, various built-in aluminium frame versions and optional accessories.



HELISSA square
Size 360 x 360 mm



HELISSA square
Size 450 x 450 mm

Premium materials and refined colours

These luminaires with IP 40 protection are available in all sizes and designs with a white or titanium aluminium frame.



HELISSA round
Titanium frame



HELISSA square
White frame

Efficient and decorative

Glare-free light emitted directly through the diffuser ensures uniform general lighting. The HELISSA luminaire unit is circled by a corona of light. This lends the luminaire its weightless, floating appearance. Optional foil filters which fit sideways into

the diffuser give the corona the required colour, ensuring accent lighting on walls or ceilings and creating a special atmosphere.

Colour filters are available in the following colours:
red, green, yellow, blue





Flexible connection

Connection is especially versatile thanks to the large terminal compartment behind the backplate. Simply run the cable forward towards the 5-pole push-lock terminal.



Luminaire with emergency lighting function

This product range is supplemented by luminaires of identical design and dimensions with built-in emergency lighting function. Separate-battery powered HELISSA models are available with a battery capacity of 1 or 3 hours.



Dimmable luminaires

Optionally, analogue (1–10 V) or digital (DALI and LUXMATE) dimming is available for HELISSA.



Both diffusers – round or square – are fitted on the same circular backplate.



Easy installation and maintenance

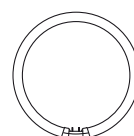
The attractive features of HELISSA IP 40 are immediately apparent even when installing it. The entire luminaire consists of just two basic parts: a backplate and a diffuser unit. These two parts are attached by means

of a convenient twist-and-lock mechanism. Both the round and the square diffuser unit can be fitted on the circular backplate precisely without the use of any tool. This also makes relamping straightforward.

Lamps fitted (IP 40):

Size 1 (D360/Q360)
 1 x 22 W T16-R
 2 x 9 W TC-SEL

Size 2 (D450/Q450)
 1 x 40/55 W T16-R
 2 x 18 W TC-L



T16-R



TC-L



TC-SEL

HELISSA IP 65

Well-protected against wind and weather

Something new: HELISSA provides decorative accent lighting in protected and unprotected outdoor locations as well as in stylish indoor areas. Even with IP 65 protection, the luminaire's perfectly uniform illumination

and unobtrusive appearance are impressive. It retains the same design as the HELISSA IP 40 model, thus making it possible to achieve a flowing transition from indoors to outdoors.





Flexible and adaptable

Wall and ceiling-mounted luminaire that meets exacting requirements

HELISSA IP 65 meets all requirements with regard to use in outdoor areas as well as in upmarket indoor areas. The luminaire's high-quality polished specular aluminium frame lends it its especially elegant effect.



Frame design
Polished specular aluminium, protectively varnished

Decorative appearance

Both the round and square aluminium frames are available in a white or titanium finish and there is also a polished, protectively varnished specular aluminium version. This high-end design also includes impressive light-

ing effects: direct light from the luminaire ensures uniform illumination and the corona of light produces decorative accent lighting on walls or ceilings. The colour of this subdued light can be altered by laterally inserted foil filters.





Technology which brings real benefits

The luminaire with IP 65 protection consists of three basic parts: backplate, glass cover and cover ring. CamLock technology allows easy mounting on the backplate without using any tools and without any visible fasteners.

IP 65 protection prevents ingress of dust and spraying water. Dimmable luminaires fitted with emergency lighting modules complete the HELISSA product family, making it the perfect all-rounder for ambitious lighting solutions, both indoors and outdoors.

Optimum functional protection: The luminaire consists of a round or square backplate, a high-quality glass cover and the appropriate cover frame.



High-quality materials and the silicone seal fitted in the backplate guarantee IP 65 protection.



Simple and secure: CamLock fasteners attach the backplate to the cover frame.

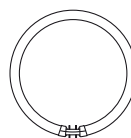


The fully assembled HELISSA IP 65 is, visually and functionally, a single unit which is devoid of any visible clips or screw heads.



Lamps fitted (IP 65):

- Size 1 (D360/Q360)
- 1 x 22 W T16-R
- 2 x 18 W TC-DEL



T16-R



TC-DEL

HELISSA

Application matrix and design example


Application matrix

Model	Frame	Indoor location		Outdoor location**
		Normal environment	Demanding environment*	
HELISSA IP 40	White or titanium	■		
HELISSA IP 65	Polished specular aluminium, protectively varnished	■		■
HELISSA IP 65	White or titanium	■	■	■


* Aggressive environments with occasional or permanent moisture and salt or chlorine content

** Serviceable in environments with the following minimum temperatures:


Standard: 2/18 W up to -20 °C Dimmable: 2/18 W up to -20 °C Emergency: 1/22 W up to 0 °C
 1/22 W up to -20 °C 1/22 W up to +10 °C



Frame
White



Frame
Titanium

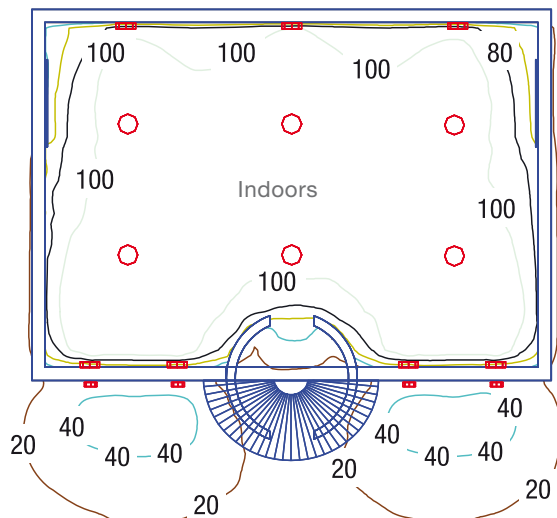


Frame
Polished specular aluminium, protectively varnished

Design example

Room height: 3.0 m, room length: 11.5 m, room width: 7.5 m					
Maintenance factor: 0.80					
Surface area	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$
Useful plane	–	43	0.49	138	0.01
Floor	20	42	0.44	137	0.01
Ceiling	70	25	0.26	123	0.01
Walls (4)	0	8.99	0.48	41	–
Luminaire list:					
Area	Qty.	Designation	Φ [%]	P [W]	
Indoors	13	HELISSA D450 2/18 W TC-L, electron. ballast	2,400	40.5	
Outdoors	4	HELISSA D360 2/18 W TC-DEL, electron. ballast IP 65	2,400	37.5	
Total:			40,800	676.5	

Scale of 1:200 Values in lux



The diagram shows a rectangular room layout. Indoors, there are 13 red circles representing luminaires, with a footcandle level of 100 lux. Outdoors, there are 4 red circles representing luminaires, with footcandle levels of 20, 40, and 40 lux. The diagram is labeled 'Indoors' and 'Outdoors'.

I...I Shared properties
HELISSA

- Lighting corona around luminaire for indirectly accentuated lighting
- Lighting corona with optional colours by use of colour filter foils from accessories (set)
- Through-wiring is possible
- Energy-efficient thanks to use of electronic ballasts
- 3-pole plug-in connector, 5-pole for DALI dimmable version
- Protection class I
- Dimmable models (1–10 V and LMB) available on request
- Models with 1-hour or 3-hour emergency lighting available on request

HELISSA D360



- I...I
- Uniformly illuminated polycarbonate diffuser
- Special non-ageing diffuser for good light output ratio
- Aluminium frame in titanium or white; other colours available on request
- Fitting made of white painted sheet steel
- No-tool maintenance/relamping thanks to Bayonet catch
- Protection type IP 40

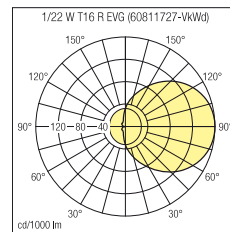
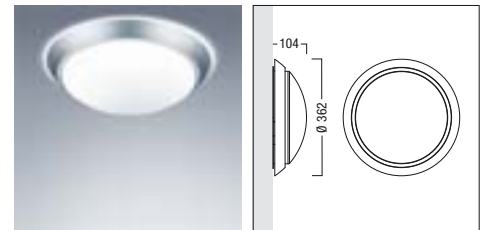


Wall-mounted luminaires D = 360 mm

	Ø	kg	Order no.	Order no.
			<i>electronic</i>	<i>dimmable Dali</i>
1/22 W T16 R titanium	362	1.7	60 811 720	60 811 729
1/22 W T16 R white	362	1.7	60 811 719	60 811 728
2/9 W TC-SEL titanium	362	1.7	60 811 723	
2/9 W TC-SEL white	362	1.7	60 811 722	

Accessory

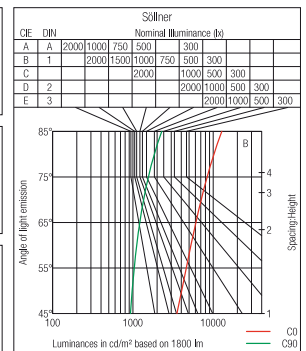
Colour filter 360 colour filter set (red, yellow, green, blue)	60 800 425
--	------------



Light output ratio	
LOR	62 %
ULOR	31 %
DLOR	31 %
FFR	1.00 (60:50)
BLF	1.00

Classification	
LITG	C11
LG7	
BZ	
UTE	0,31 J + 0,31 T
Flux Codes	60 137 222 312 624

Utilization Factors	
Room Reflectance	Room Index
Ceiling Walls Floor	0,75 1,00 1,25 1,50 2,00 2,50 3,00 4,00 5,00
70 50 20	
SHR Nom = NA	SHR Max = NA
Calculated in accordance with CIESE Technical Memorandum No. 5 1980	



HELISSA D450



- I...I
- Uniformly illuminated polycarbonate diffuser
- Special non-ageing diffuser for good light output ratio
- Aluminium frame in titanium or white; other colours available on request
- Fitting made of white painted sheet steel
- No-tool maintenance/relamping thanks to Bayonet catch
- Protection type IP 40

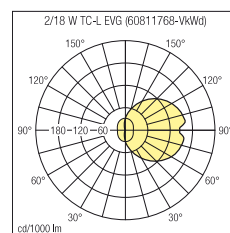
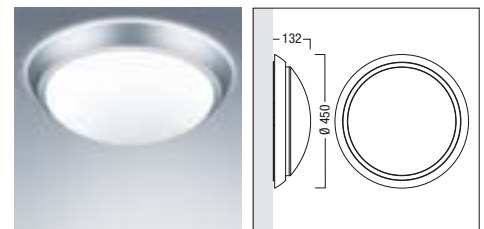


Wall-mounted luminaires D = 450 mm

	Ø	kg	Order no.	Order no.
			<i>electronic</i>	<i>dimmable Dali</i>
1/40 W T16 R titanium	450	2.7	60 811 738	60 811 744
1/40 W T16 R white	450	2.7	60 811 737	60 811 743
1/55 W T16 R titanium	450	2.7	60 811 750	60 811 756
1/55 W T16 R white	450	2.7	60 811 749	60 811 755
2/18 W TC-L titanium	450	2.7	60 811 768	60 811 872
2/18 W TC-L white	450	2.7	60 811 767	60 811 871

Accessory

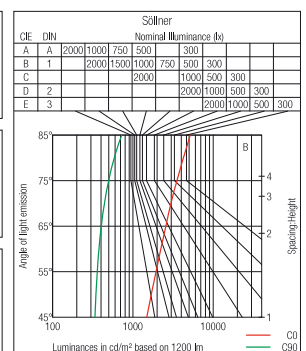
Colour filter 450 colour filter set (red, yellow, green, blue)	60 800 426
--	------------



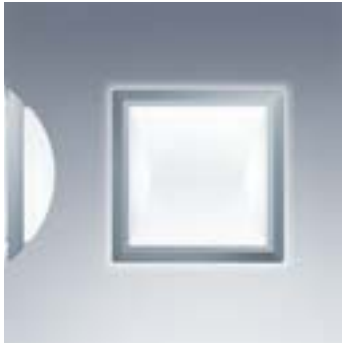
Light output ratio	
LOR	59 %
ULOR	30 %
DLOR	29 %
FFR	1.01 (60:50)
BLF	1.00

Classification	
LITG	C11
LG7	
BZ	
UTE	0,29 J + 0,30 T
Flux Codes	57 129 210 294 592

Utilization Factors	
Room Reflectance	Room Index
Ceiling Walls Floor	0,75 1,00 1,25 1,50 2,00 2,50 3,00 4,00 5,00
70 50 20	
SHR Nom = NA	SHR Max = NA
Calculated in accordance with CIESE Technical Memorandum No. 5 1980	



HELISSA Q360



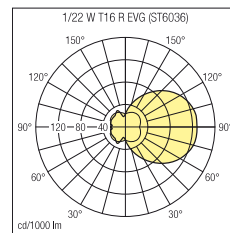
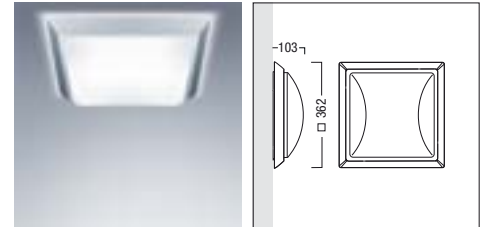
- [...]
 - Uniformly illuminated polycarbonate diffuser
 - Special non-ageing diffuser for good light output ratio
 - Aluminium frame in titanium or white; other colours available on request
 - Fitting made of white painted sheet steel
 - No-tool maintenance/relamping thanks to Bayonet catch
 - Protection type IP 40

Wall-mounted luminaires 360 x 360 mm

	L/W	kg	Order no.	Order no.
1/22 W T16 R titanium	362/362	2.0	60 812 011	60 812 023
1/22 W T16 R white	362/362	2.0	60 812 010	60 812 022
2/9 W TC-SEL titanium	362/362	2.0	60 812 002	
2/9 W TC-SEL white	362/362	2.0	60 812 001	

Accessory

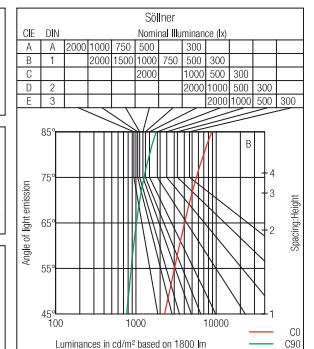
360 colour filter set (red, yellow, green, blue)	60 800 425
--	------------



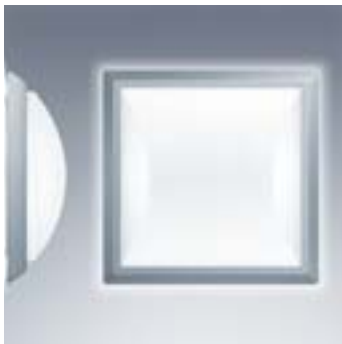
Light output ratio	
LOR	64 %
ULOR	32 %
DLOR	32 %
FFR	1.00 (60:50)
BLF	1.00

Classification	
LITG	C11
LG7	
BZ	
UTE	0.32 J + 0.32 T
Flux Codes	61 141 229 321 642

Utilization Factors	
Room Reflectance	Room Index
Ceiling Walls Floor	0.75 1.00 1.25 1.50 2.00 2.50 3.00 4.00 5.00
70 50 20	
SHR Nom = NA	SHR Max = NA
Calculated in accordance with CIBSE Technical Memorandum No. 5 1980	



HELISSA Q450



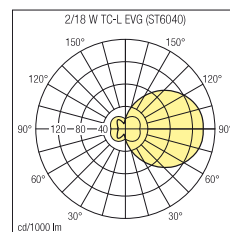
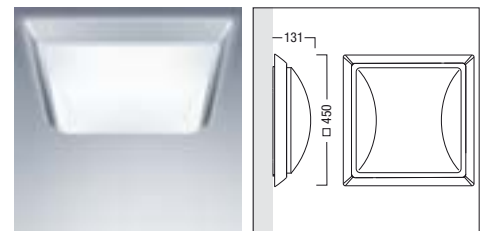
- [...]
 - Uniformly illuminated polycarbonate diffuser
 - Special non-ageing diffuser for good light output ratio
 - Aluminium frame in titanium or white; other colours available on request
 - Fitting made of white painted sheet steel
 - No-tool maintenance/relamping thanks to Bayonet catch
 - Protection type IP 40

Wall-mounted luminaires 450 x 450 mm

	L/W	kg	Order no.	Order no.
1/40 W T16 R titanium	450/450	3.0	60 812 029	60 812 041
1/40 W T16 R white	450/450	3.0	60 812 028	60 812 040
1/55 W T16 R titanium	450/450	3.0	60 812 047	60 812 053
1/55 W T16 R white	450/450	3.0	60 812 046	60 812 052
2/18 W TC-L titanium	450/450	3.0	60 812 065	60 812 077
2/18 W TC-L white	450/450	3.0	60 812 064	60 812 076

Accessory

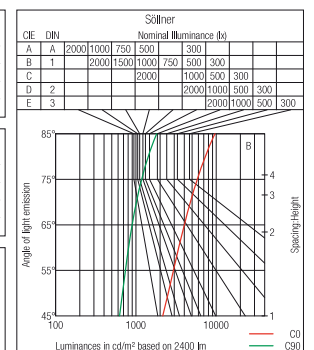
450 colour filter set (red, yellow, green, blue)	60 800 426
--	------------



Light output ratio	
LOR	60 %
ULOR	30 %
DLOR	30 %
FFR	1.00 (60:50)
BLF	1.00

Classification	
LITG	C11
LG7	
BZ	
UTE	0.30 J + 0.30 T
Flux Codes	51 126 212 302 603

Utilization Factors	
Room Reflectance	Room Index
Ceiling Walls Floor	0.75 1.00 1.25 1.50 2.00 2.50 3.00 4.00 5.00
70 50 20	
SHR Nom = NA	SHR Max = NA
Calculated in accordance with CIBSE Technical Memorandum No. 5 1980	



HELISSA D360 IP 65



- [...]
 - Uniformly illuminated, frosted glass cover
 - Aluminium frame in protective mirror-finish or powder-coated in titanium/white
 - Silicone seal
 - Die-cast aluminium fitting, white
 - Simple maintenance/relamping thanks to Camlock catches
 - Protection type IP 65

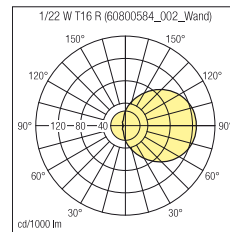
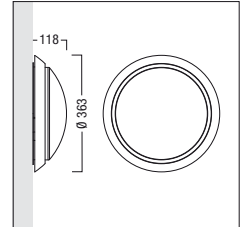


Wall-mounted luminaires D = 360 mm

	Order no.	Order no.
	<i>electronic</i>	<i>dimnable Dali</i>
1/22 W T16 R Mirror-finish aluminium	60 812 197	60 812 200
1/22 W T16 R titanium	60 812 196	60 812 199
1/22 W T16 R white	60 812 195	60 812 198
2/18 W TC-DEL Mirror-finish aluminium	60 812 182	60 812 185
2/18 W TC-DEL titanium	60 812 181	60 812 184
2/18 W TC-DEL white	60 812 180	60 812 183

Accessory

Colour filter set 360 (red, yellow, green, blue)	60 800 568
--	------------

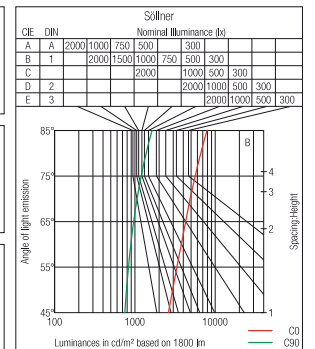


Light output ratio	
LOR	51 %
ULOR	26 %
DLOR	26 %
FFR	1,00 (60:50)
BLF	1,00

Classification	
LITG	C11
LG7	
BZ	
UTE	0,26 J + 0,26 T
Flux Codes	49 112 183 257 514

Room Reflectance		Room Index	
Ceiling	Floor	0,75	1,00
70	20	1,25	1,50
		2,00	2,50
		3,00	4,00
		5,00	

SHR Nom = NA SHR Max = NA SHR Max TR = NA
 Calculated in accordance with CIBSE Technical Memorandum No. 5 1980



HELISSA Q360 IP 65



- [...]
 - Uniformly illuminated, frosted glass cover
 - Aluminium frame in protective mirror-finish or powder-coated in titanium/white
 - Silicone seal
 - Die-cast aluminium fitting, white
 - Simple maintenance/relamping thanks to Camlock catches
 - Protection type IP 65

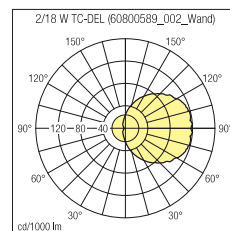
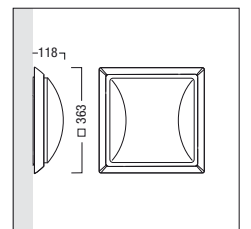


Wall-mounted luminaires 360 x 360 mm

	Order no.	Order no.
	<i>electronic</i>	<i>dimnable Dali</i>
1/22 W T16 R Mirror-finish aluminium	60 812 227	60 812 230
1/22 W T16 R titanium	60 812 226	60 812 229
1/22 W T16 R white	60 812 225	60 812 228
2/18 W TC-DEL Mirror-finish aluminium	60 812 212	60 812 215
2/18 W TC-DEL titanium	60 812 211	60 812 214
2/18 W TC-DEL white	60 812 210	60 812 213

Accessory

Colour filter set 360 (red, yellow, green, blue)	60 800 568
--	------------

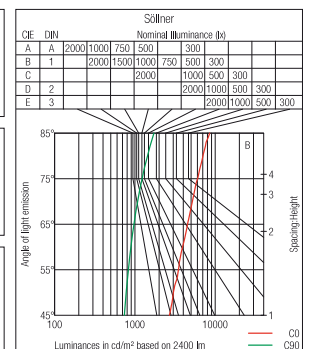


Light output ratio	
LOR	49 %
ULOR	25 %
DLOR	25 %
FFR	1,00 (60:50)
BLF	1,00

Classification	
LITG	C11
LG7	
BZ	
UTE	0,25 J + 0,25 T
Flux Codes	48 108 176 246 482

Room Reflectance		Room Index	
Ceiling	Floor	0,75	1,00
70	20	1,25	1,50
		2,00	2,50
		3,00	4,00
		5,00	

SHR Nom = NA SHR Max = NA SHR Max TR = NA
 Calculated in accordance with CIBSE Technical Memorandum No. 5 1980



HELISSA LED

- HELISSA LED solutions available on request.

**INDUSTRY
AND ENGINEERING**



**SPORT
AND LEISURE**



**TRANSIT AREAS
AND PARKING**



**OFFICES
AND COMMUNICATION**



**PRESENTATION
AND RETAIL**



**HOTEL
AND WELLNESS**



**ART
AND CULTURE**



**HEALTH
AND CARE**



Zumtobel is the internationally leading supplier of integral lighting solutions for a wide variety of applications in professional interior lighting:

- [Industry and engineering](#)
- [Offices and communication](#)
- [Education and science](#)
- [Presentation and retail](#)
- [Hotel and wellness](#)
- [Art and culture](#)
- [Health and care](#)
- [Sport and leisure](#)
- [Transit areas and parking](#)
- [Orientation and safety](#)

We provide unique customer benefit by integrating technology, design, emotion and energy efficiency. Under the Humanergy Balance concept, we combine the best possible ergonomic lighting quality for people'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.

Corporate goal: 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.



Track and spots		<p>United Kingdom Zumtobel Lighting Ltd. Unit 4 - The Argent Centre, Pump Lane London Hayes/Middlesex UB3 3BL T +44/(0)20 8589 1800 F +44/(0)20 8756 4800 M enquiriesuk@zumtobel.com www.zumtobel.co.uk</p>	<p>United Arab Emirates Zumtobel Lighting GmbH Dubai Airport Free Zone, 3rd East Wing, 4th Floor, Office 413 PO Box 54620 Dubai T +971/(4) 214 9845 F +971/(4) 214 9501</p>	<p>Poland Zumtobel Lighting GmbH Sp.z.o.o. Przedstawicielstwo w Polsce ul. Narbutta 46/48 02-541 Warszawa T +48/(22) 856 7431 F +48/(22) 856 7432 www.zumtobel.pl</p>
Modular lighting systems			<p>Norway Zumtobel Belysning Pilestredet 75 C 0354 Oslo Postbox 5829 Majorstuen 0308 Oslo T +47/22 46 85 00 F +47/22 46 85 02 M info.se@zumtobel.com</p>	<p>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 www.zumtobel.ru</p>
Down-/uplights		<p>USA and Canada Zumtobel Lighting Inc. Location Highland 3300 Route 9W Highland, New York 1258-2630 T +1/(0)845/691 62 62 F +1/(0)845/691 62 89 www.zumtobel.us www.zumtobel.ca</p>		
Recessed luminaires			<p>Sweden Zumtobel Belysning Birger Jarlsgatan 57 113 56 Stockholm T +46/(0)8/26 26 50 F +46/(0)8/26 56 05 M info.se@zumtobel.com www.zumtobel.se</p>	<p>Slovenia and Croatia Zumtobel Licht d.o.o. Dunajska cesta 159 1000 Ljubljana T +386/(1) 56 09 820 F +386/(1) 56 09 866 M bzslowenien@zumtobel.si www.zumtobel.si</p>
Surface-mounted and endant luminaires		<p>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 M info@zumtobel.com.au www.zumtobel.com.au</p>		
LED, task, wall and uplights			<p>Denmark Light Makers AS Indiavej 1 2100 Copenhagen T +45/(0)35 43 70 00 F +45/(0)35 43 54 54 M ralf.ritter@lightmakers.dk www.lightmakers.dk</p>	<p>Headquarters Zumtobel Lighting GmbH Schweizer Strasse 30 Postfach 72 6851 Dornbirn, AUSTRIA T +43/(0)5572/390-0 F +43/(0)5572/22 826</p>
Continuous row and batten luminaires		<p>China Zumtobel Lighting China Beijing Office T5-2-152 Tayuan Diplomatic Compound No. 1 Xin Dong Road, Chaoyang District 100600 Beijing T +86/(10) 8532 3886 F +86/(10) 8532 3889 M admin@zumtobel.com.hk</p>		
High-bay luminaires			<p>Czech Republic and Slovak Republic Zumtobel Lighting s.r.o. Vlastislavova 11 Praha 4 140 00 Praha T +420/(2) 41 740 301 F +420/(2) 41 740 308 M praha@zumtobel.com www.zumtobel.cz</p>	<p>Zumtobel Licht GmbH Grevenmarschstrasse 74-78 32657 Lemgo, GERMANY T +49/(0)5261/2 12-0 F +49/(0)5261/2 12-7777 www.zumtobel.de</p>
Luminaires with extra protection		<p>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 M admin@zumtobel.com.hk</p>		
Lighting management				
Emergency lighting				
Medical supply systems				

Art.-No. 04 900 004-UK 09/08
 © 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. Printed on environmentally-friendly chlorine-free paper. Printed on Galaxy Bright.



ZUMTOBEL

HELISSA

Wall and ceiling-mounted luminaires

Indoors or outdoors,
an impressive presence
and a uniform design.

Update 08/2008

