



FACTOR

LED spotlight range

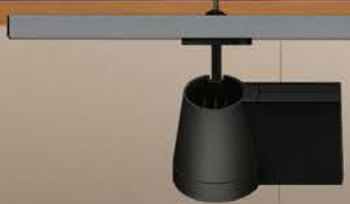
Reduced to the
essentials.

[linked](#)

All order numbers in the PDF are linked
to the Zumtobel online catalogue.



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3,10

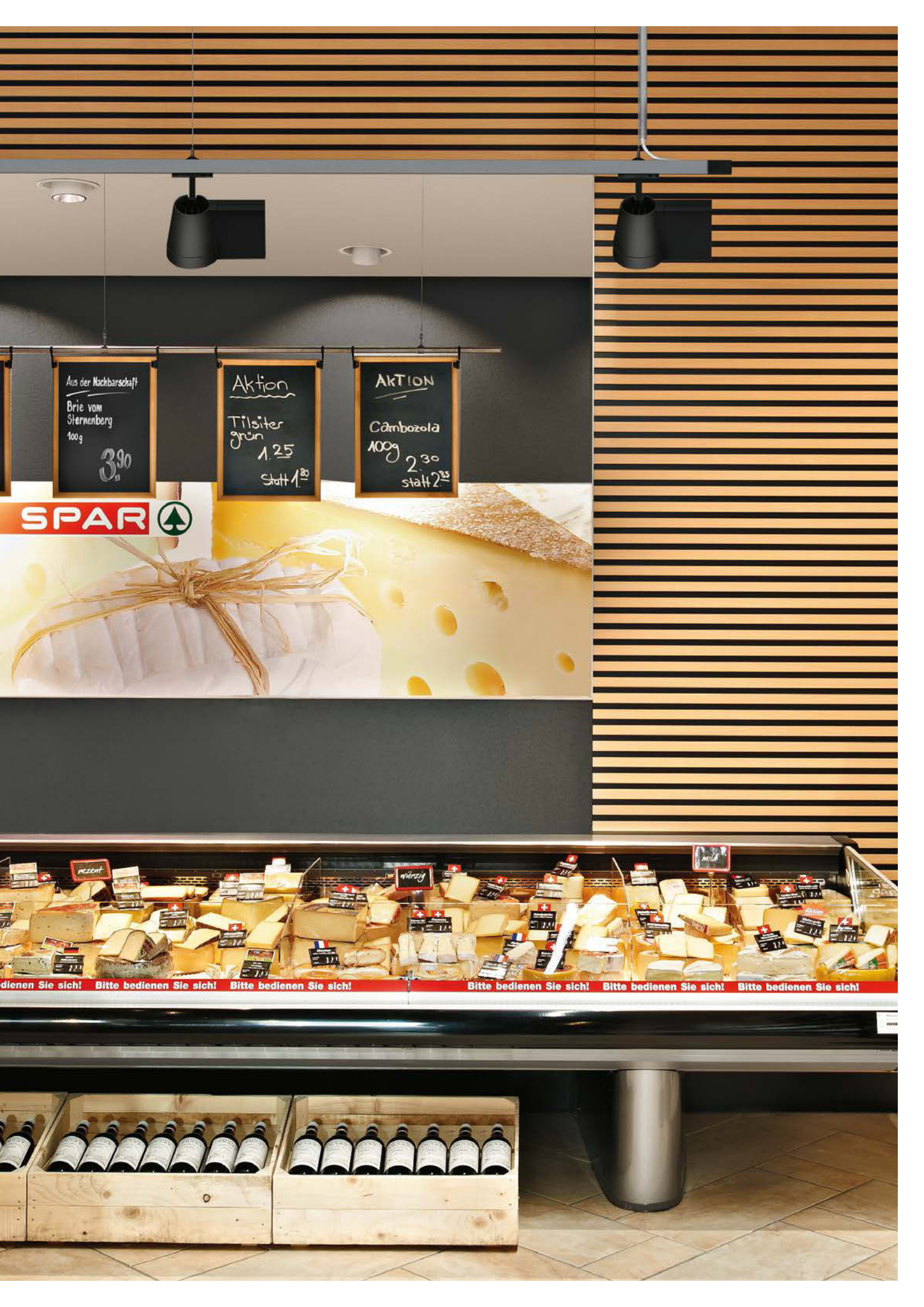


Aus der Nachbarschaft
Bachtel - Stei
100g
2,95

Aus der Nachbarschaft
Goldinger Bergkäse
surchoix
100g
2,60

Schaf
und
Ziegenkäse





Aus der Nachbarschaft

Brie vom
Sternenberg
100g

3,90

Aktion

Tilsiter
grün

1,25

Statt 1,80

AKTION

Cambozola

100g

2,30

Statt 2,95

SPAR 



Bitte bedienen Sie sich! Bitte bedienen Sie sich! Bitte bedienen Sie sich! Bitte bedienen Sie sich! Bitte bedienen Sie sich! Bitte bedienen Sie sich!







“This spotlight range is distinctively characterised by three archetypical basic shapes: the cuboid, the cylinder and the cone. The design of the heat sink as a modular, variable component opens up new perspectives for future alternatives in terms of technology, but also in terms of shape.”



Design FACTOR | EOOS

FACTOR product idea

Reduced to the essentials

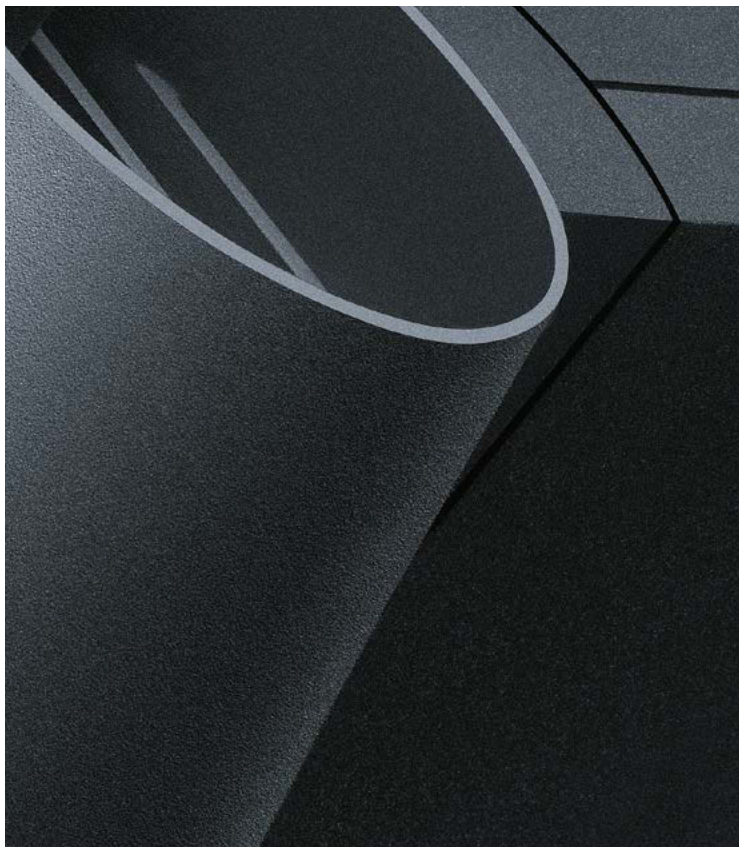
A wide range of products requiring very little storage capacity: this aspect of economic efficiency, which is vital for shop and retail applications, also defines the innovative design concept of this LED spotlight range. With only a few components and a choice of two housing designs available in black and white, FACTOR is able to meet a large variety of lighting requirements. Moreover, Zumtobel offers the opportunity to adjust the spotlight design to a company's corporate identity.

For customised presentation of various products, the LED spotlights are available as Essential Stable White and Essential Plus Stable White models in the colour temperatures 3000 K and 4000 K. Thanks to colour rendering of $R_a > 80$ and $R_a > 90$, respectively, the colours and materials in shop and retail applications are set off in a refreshingly authentic and natural manner. For special demands required by meat and baked goods, FACTOR provides TGRfood versions covering the tried-and-tested colour locations of the Tunable Food technology. Another benefit: the spotlights can be aligned even when they are switched on. The ideal properties of the polycarbonate used ensure a cool-touch effect as a technological bonus.

Perfectly coordinated optical systems ensure uniform light distribution with high precision. Even more brilliant accent lighting is provided thanks to aluminium-sputtered, high-precision polycarbonate reflectors. Free from IR and UV radiation, FACTOR combines high quality with gentle lighting.



Innovative design concept: a considerably reduced number of components is used to assemble FACTOR.



FACTOR LED spotlight

Design and technology

Design models

Conical housing
Cylindrical housing

Output levels

Essential Stable White:
27 W / 2100 lm - 2300 lm
36 W / 3000 lm - 3200 lm

Essential Plus Stable White:
27 W / 1800 lm
36 W / 2600 lm

TGRfood (baked goods, cold meat):
36 W / 2000 lm - 2300 lm

Colour temperatures and colour rendering

Essential Stable White:
3000 K, 4000 K (Ra > 80)

Essential Plus Stable White:
3000 K (Ra > 90)

TGRfood:
Baked goods
Cold meat

Beam patterns

Spot 12°
Flood 24°
Wideflood 37°

Colours

Black matt
White matt

Installation options

3-phase track
METRUM continuous-row system





FACTOR LED spotlight

Product overview



	FACTOR conical	FACTOR cylindrical
Beam patterns		
■ Spot	•	•
▲ Flood	•	•
▣ Wideflood	•	•
Colour		
White matt	•	•
Black matt	•	•
Mounting		
3-phase track	•	•
METRUM continuous-row system	•	
Essential Stable White		
27 W (3000 K, 4000 K, Ra > 80)	•	•
36 W (3000 K, 4000 K, Ra > 80)	•	•
Essential Plus Stable White		
27 W (3000 K, Ra > 90)	•	•
36 W (3000 K, Ra > 90)	•	•
TGRfood		
36 W (baked goods)	•	
36 W (cold meat)	•	

|...| Shared properties FACTOR

- Innovative thermal management employing passive cooling achieves COOL TOUCH function
- Converter integrated in the luminaire
- Spotlight rotates through 360° and pivots through 90°
- Die-cast aluminium spotlight housing
- Colour: black and white micro-textured paint finish
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Service life: 50000 h at 70 % luminous flux
- UVA-free and IR-free light
- Mains voltage: 220–240 V / 50/60 Hz
- Must be installed in ceiling for use as point outlet
- Wall-mounting not permissible

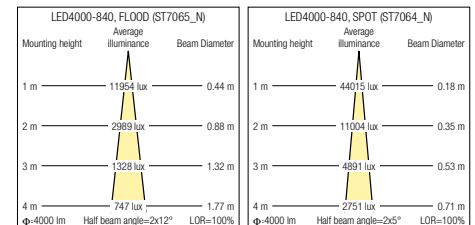
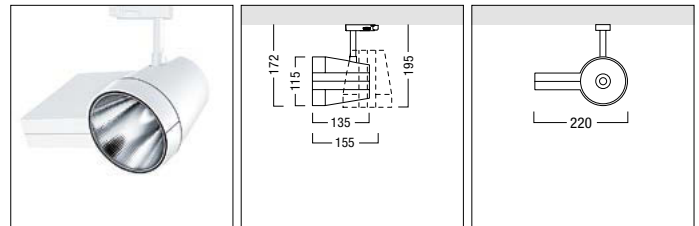
FACTOR CO LED (Essential stableWhite)



- |...|
- „Essential stableWhite“ LED spotlight with stabilised colour temperature (warm white/neutral white)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- stableWhite colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: neutral white)
- Colour rendering index: Ra > 80
- Luminaire luminous flux: 2800–2900 lm (27 W)
- Luminaire luminous flux: 3700–4000 lm (36 W)
- Luminaire efficiency: 104–107 lm/W (27 W)
- Luminaire efficiency: 103–111 lm/W (36 W)

	kg	Order no.	Order no.
3-phase LED spotlight, flood (with Global GA69 universal adapter)		<i>white</i>	<i>black</i>
LED2800-830 flood	1,2	60 713 275	60 713 276
LED2800-830 wideflood	1,2	60 713 277	60 713 278
LED2900-840 flood	1,2	60 713 281	60 713 282
LED2900-840 wideflood	1,2	60 713 283	60 713 284
LED3700-830 flood	1,3	60 713 293	60 713 294
LED3700-830 wideflood	1,3	60 713 295	60 713 296
LED4000-840 flood	1,3	60 713 299	60 713 300
LED4000-840 wideflood	1,3	60 713 301	60 713 302
3-phase LED spotlight, spot (with Global GA69 universal adapter)		<i>white</i>	<i>black</i>
LED2800-830 spot	1,2	60 713 273	60 713 274
LED2900-840 spot	1,2	60 713 279	60 713 280
LED3700-830 spot	1,3	60 713 291	60 713 292
LED4000-840 spot	1,3	60 713 297	60 713 298

For recessed/surface-mounting: please order additional point outlet (see Tracks and Accessories).



FACTOR CONICAL

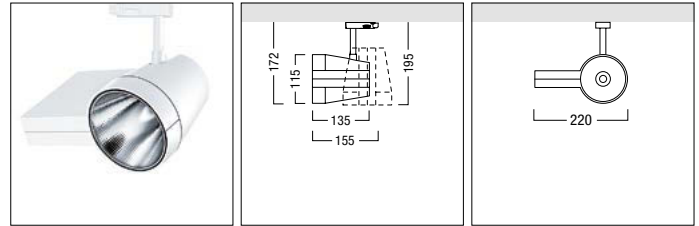
FACTOR CO LED (Essential+ stableWhite)



- [...]
- LED spotlight „Essential+ stable-White“ with stabilised colour temperature (warm white / neutral white)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- Colour temperature stableWhite: 3000 K (LED930: warm white)
- Colour rendering index: Ra > 90
- Luminous flux: 2200 lm (27 W), 2900 lm (36 W)
- Luminaire efficiency: 81 lm/W

	kg	Order no.	Order no.
3-phase LED spotlight, flood (with Global GA69 universal adapter)		<i>white</i>	<i>black</i>
LED2200-930 flood	1,2	60 713 287	60 713 288
LED2200-930 wideflood	1,2	60 713 289	60 713 290
LED2900-930 flood	1,3	60 713 305	60 713 306
LED2900-930 wideflood	1,3	60 713 307	60 713 308
3-phase LED spotlight, spot (with Global GA69 universal adapter)		<i>white</i>	<i>black</i>
LED2200-930 spot	1,2	60 713 285	60 713 286
LED2900-930 spot	1,3	60 713 303	60 713 304

For recessed/surface-mounting: please order additional point outlet (see Tracks and Accessories).



LED2900-930, FLOOD (ST7068_N)			LED2900-930, SPOT (ST7067_N)		
Mounting height	Average illuminance	Beam Diameter	Mounting height	Average illuminance	Beam Diameter
1 m	8683 lux	0.44 m	1 m	31911 lux	0.18 m
2 m	2171 lux	0.88 m	2 m	7978 lux	0.35 m
3 m	965 lux	1.32 m	3 m	3546 lux	0.53 m
4 m	543 lux	1.76 m	4 m	1994 lux	0.71 m
Φ=2900 lm Half beam angle=2x12° LOR=100%			Φ=2900 lm Half beam angle=2x5° LOR=100%		

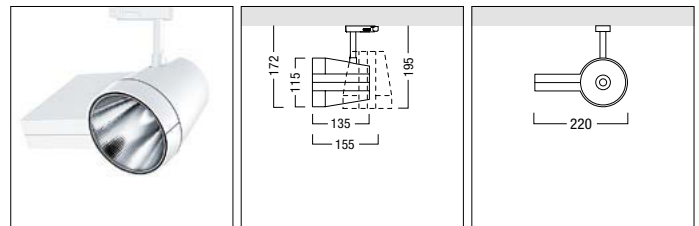
FACTOR CO LED (Food)



- [...]
- Innovative LED spotlight specifically designed for meat products and baked products
- Colour temperature: „LED-BKY“ version matched to baked products
- Colour temperature: „LED-FW“ version matched to meat products
- Luminaire luminous flux: 2000–2300 lm
- Luminaire efficiency: 56–64 lm/W
- Connected load: 36 W

	kg	Order no.	Order no.
3-phase LED spotlight, flood (with Global GA69 universal adapter)		<i>white</i>	<i>black</i>
LED2000-FW flood, fresh meat	1,3	60 713 309	60 713 310
LED2000-FW wideflood, fresh meat	1,3	60 713 311	60 713 312
LED2300-BKY flood, bakery	1,3	60 713 313	60 713 314
LED2300-BKY wideflood, bakery	1,3	60 713 315	60 713 316

For recessed/surface-mounting: please order additional point outlet (see Tracks and Accessories).



LED2300-BKY, FLOOD (ST7072)			LED2000-FW, FLOOD (ST7070)		
Mounting height	Average illuminance	Beam Diameter	Mounting height	Average illuminance	Beam Diameter
1 m	6830 lux	0.44 m	1 m	5896 lux	0.44 m
2 m	1707 lux	0.88 m	2 m	1474 lux	0.89 m
3 m	759 lux	1.32 m	3 m	655 lux	1.33 m
4 m	427 lux	1.77 m	4 m	369 lux	1.78 m
Φ=2300 lm Half beam angle=2x12° LOR=100%			Φ=2000 lm Half beam angle=2x13° LOR=100%		

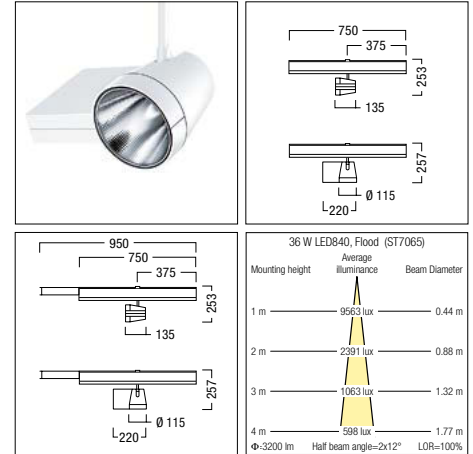
METRUM spotlight FACTOR CO LED



- “Essential Stable White” LED spotlight with stabilised colour temperature (warm white/neutral white)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- Spotlight pre-fitted to METRUM module
- Innovative thermal management employing passive cooling achieves COOL TOUCH function
- Converter integrated in the luminaire
- Spotlight rotates through 360° and pivots through 90°
- Die-cast aluminium spotlight housing
- Colour: white microtextured paint finish
- Highly reflective specular reflector made of aluminized polycarbonate, iridescence-free
- Service life: 50 000 h at 70 % luminous flux
- UVA-free and IR-free light
- “Stable White” colour temperature: 4000 K (LED840: neutral white)
- Colour rendering index: Ra > 80
- Luminaire luminous flux: 2300–3200 lm
- Luminaire efficiency: 85–89 lm/W
- Roll-formed sheet steel with white polyester resin enamel coating
- End module terminate the continuous-row lighting
- Mains voltage: 220–240 V / 50/60 Hz
- 7-pole loop-in/loop-out wiring for 2.5 mm² leads
- Phase can be selected at plug for 3 phase circuits
- Tool-free mechanical and electrical installation using CLIX technology
- Electrical connections provided by plug-in cable link (CLIX technology)
- Spotlight cannot be fitted over input power feed, central power feed or output power feed

Spotlight with CLIX technology (METRUM)

	kg	Order no.
27 W LED840 flood	3,1	60 713 180
27 W LED840 flood, termination of continuous row	2,6	60 713 190
27 W LED840 wideflood	3,1	60 713 181
27 W LED840 wideflood, termination of continuous row	2,6	60 713 191
36 W LED840 flood	3,2	60 713 184
36 W LED840 flood, termination of continuous row	2,7	60 713 192
36 W LED840 wideflood	3,2	60 713 185
36 W LED840 wideflood, termination of continuous row	2,7	60 713 193



FACTOR CYLINDRIC

|...| Shared properties FACTOR

- Innovative thermal management employing passive cooling achieves COOL TOUCH function
- Converter integrated in the luminaire
- Spotlight rotates through 360° and pivots through 90°
- Die-cast aluminium spotlight housing
- Colour: black and white microtextured paint finish
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Service life: 50000 h at 70 % luminous flux
- UVA-free and IR-free light
- Mains voltage: 220–240 V / 50/60 Hz
- Must be installed in ceiling for use as point outlet
- Wall-mounting not permissible

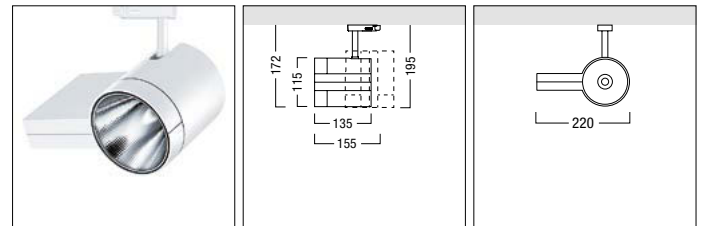
FACTOR CY (Essential stableWhite)



- |...|
- „Essential stableWhite“ LED spotlight with stabilised colour temperature (warm white/neutral white)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- stableWhite colour temperature: 3000 K (LED830: warm white) or 4000 K (LED840: neutral white)
- Colour rendering index: Ra > 80
- Luminaire luminous flux: 2800–2900 lm (27 W)
- Luminaire luminous flux: 3700–4000 lm (36 W)
- Luminaire efficiency: 104–107 lm/W (27 W)
- Luminaire efficiency: 103–111 lm/W (36 W)

	kg	Order no.	Order no.
3-phase LED spotlight, flood (with Global GA69 universal adapter)		white	black
LED2800-830 flood	1,4	60 713 319	60 713 320
LED2800-830 wideflood	1,4	60 713 321	60 713 322
LED2900-840 flood	1,4	60 713 325	60 713 326
LED2900-840 wideflood	1,4	60 713 327	60 713 328
LED3700-830 flood	1,5	60 713 337	60 713 338
LED3700-830 wideflood	1,5	60 713 339	60 713 340
LED4000-840 flood	1,5	60 713 343	60 713 344
LED4000-840 wideflood	1,5	60 713 345	60 713 346
3-phase LED spotlight, spot (with Global GA69 universal adapter)		white	black
LED2800-830 spot	1,4	60 713 317	60 713 318
LED2900-840 spot	1,4	60 713 323	60 713 324
LED3700-830 spot	1,5	60 713 335	60 713 336
LED4000-840 spot	1,5	60 713 341	60 713 342

For recessed/surface-mounting: please order additional point outlet (see Tracks and Accessories).



LED2900-840, FLOOD (ST7056_N)			LED2900-840, SPOT (ST7055_N)		
Mounting height	Average illuminance	Beam Diameter	Mounting height	Average illuminance	Beam Diameter
1 m	8656 lux	0.44 m	1 m	31911 lux	0.18 m
2 m	2164 lux	0.89 m	2 m	7978 lux	0.35 m
3 m	962 lux	1.33 m	3 m	3546 lux	0.53 m
4 m	541 lux	1.78 m	4 m	1994 lux	0.71 m

Φ=2900 lm Half beam angle=2x13° LOR=100% Φ=2900 lm Half beam angle=2x5° LOR=100%

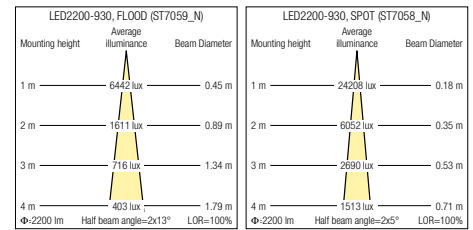
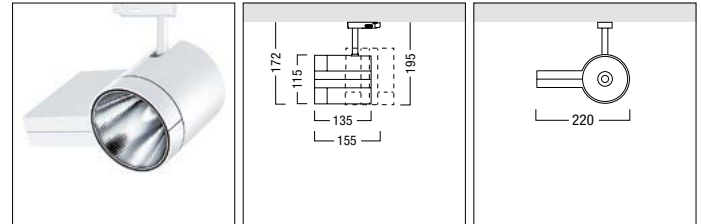
FACTOR CY LED (Essential+ stableWhite)



- [...]
- LED spotlight „Essential+ stable-White“ with stabilised colour temperature (warm white / neutral white)
- Optimized for efficient and high-performance accent lighting in shops and salesrooms
- Colour temperature stableWhite: 3000 K (LED930: warm white)
- Colour rendering index: Ra > 90
- Luminous flux: 2200 lm (27 W), 2900 lm (36 W)
- Luminaire efficiency: 81 lm/W

	kg	Order no.	Order no.
3-phase LED spotlight, flood (with Global GA69 universal adapter)			
LED2200-930 flood	1,4	60 713 331	60 713 332
LED2200-930 wideflood	1,4	60 713 333	60 713 334
LED2900-930 flood	1,5	60 713 349	60 713 370
LED2900-930 wideflood	1,5	60 713 350	60 713 351
3-phase LED spotlight, spot (with Global GA69 universal adapter)			
LED2200-930 spot	1,4	60 713 329	60 713 330
LED2900-930 spot	1,5	60 713 347	60 713 348

For recessed/surface-mounting: please order additional point outlet (see Tracks and Accessories).



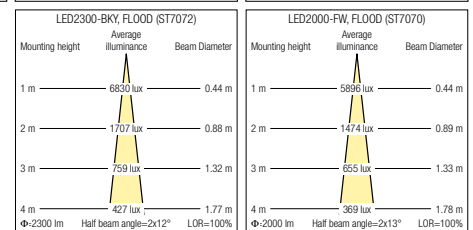
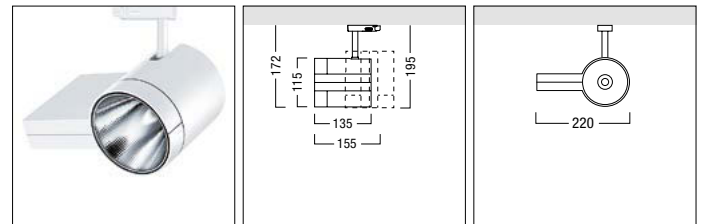
FACTOR CY LED (Food)



- [...]
- Innovative LED spotlight specifically designed for meat products and baked products
- Colour temperature: „LED-BKY“ version matched to baked products
- Colour temperature: „LED-FW“ version matched to meat products
- Luminaire luminous flux: 2000–2300 lm
- Luminaire efficiency: 56–64 lm/W
- Connected load: 36 W

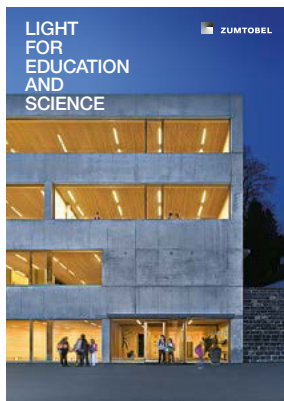
	kg	Order no.
3-phase LED spotlight, flood (with Global GA69 universal adapter)		
LED2000-FW flood, fresh meat	1,5	60 713 496
LED2000-FW wideflood, fresh meat	1,5	60 713 497
LED2300-BKY flood, bakery	1,5	60 713 498
LED2300-BKY wideflood, bakery	1,5	60 713 499

For recessed/surface-mounting: please order additional point outlet (see Tracks and Accessories).





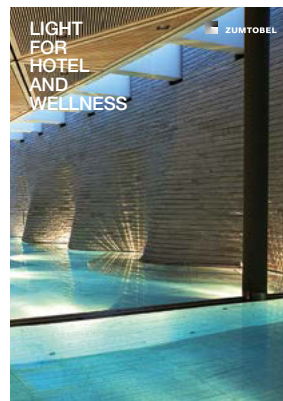
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zumtobel.com/education



zumtobel.com/shop



zumtobel.com/hotel



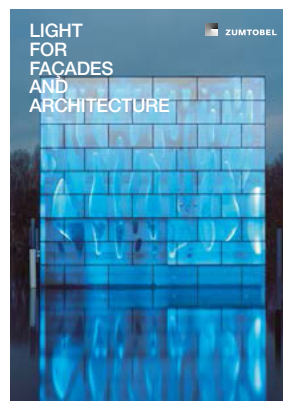
zumtobel.com/culture



zumtobel.com/healthcare



zumtobel.com/industry



zumtobel.com/facade

Zumtobel, a company of the Zumtobel Group, is an internationally leading supplier of integral lighting solutions for professional indoor and outdoor building 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 manufacturer's guarantee on all Zumtobel branded products in accordance with the terms of guarantee at zumtobel.com/guarantee.

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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.





Tracks and spots

United Kingdom

ZG Lighting (UK) Limited
Chiltern Park
Chiltern Hill, Chalfont St. Peter
Buckinghamshire SL9 9FG
T +44/(0)1388 420042
lightcentreuk@zumtobelgroup.com
zumtobel.co.uk

United Arab Emirates

Zumtobel Lighting GmbH
4B Street, Al Quoz Industrial Area
Dubai, United Arab Emirates
T +971/4 340 4646
F +971/4 299 3531
info@zumtobel.ae
zumtobel.ae

Slovenia

ZG Lighting d.o.o.
Štukljeva cesta 46
1000 Ljubljana
T +386/(1) 5609 820
F +386/(1) 5609 866
si.welcome@zumtobelgroup.com
zumtobel.si



Modular lighting systems

USA and Canada

Zumtobel Lighting Inc.
3300 Route 9W
Highland, NY 12528
T +1/845/691 6262
F +1/845/691 6289
zli.us@zumtobel.com
zumtobel.us

Romania

Zumtobel Lighting Romania SRL
Radu Greceanu Street, no.2,
Ground Floor, sector 1
012225 Bucharest
T +40 31225 38 01
F +40 31225 38 04
welcome.ro@zumtobel.com
zumtobel.com

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
zumtobel.ru



Downlights

Australia

Zumtobel Lighting Pty Ltd
43-47 Newton Road
Wetherill Park, NSW 2164
T +61/2 8786 6000
F +61/2 9612 2797
info@zumtobel.com.au
zumtobel.com.au

Hungary

ZG Lighting Hungary Kft.
Váci út 49
1134 Budapest
T +36/(1) 450 2490
F +36/(1) 350 0829
welcome@zumtobel.hu
zumtobel.hu

Norway

Zumtobel Belysning
Stromsveien 344
1081 Oslo
T +47 22 82 07 00
info.no@zumtobel.com
zumtobel.no



Recessed luminaires

New Zealand

ZG Lighting (NZ) Limited
399 Rosebank Road
Avondale Auckland 1026
T +64/9 820 2893
F +64/9 820 7591
zumtobel.com

Croatia

ZG Lighting d.o.o.
Radnička cesta 80
10000 Zagreb
T +385/(1) 64 04 080
F +385/(1) 64 04 090
welcome@zumtobel.hr

Sweden

Zumtobel Belysning
Birger Jarlsgatan 87
11356 Stockholm
T +46 8 2626 50
info.se@zumtobel.com
zumtobel.se



Surface-mounted and pendant luminaires

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
zumtobel.cn

Bosnia and Herzegovina

ZG Lighting d.o.o.
Predstavništvo u BiH
Zmaj od Bosne 7
71000 Sarajevo
T +387 33 590 463
welcome.ba@zumtobel.com

Denmark

Zumtobel Belysning
Stamholmen 155, 5. sal
2650 Hvidovre
T +45 35 43 70 00
info.dk@zumtobel.com
zumtobel.dk



Free-standing and wall-mounted luminaires

Hong Kong

Zumtobel Lighting Hong Kong
Unit 4301, Level 43,
Tower 1, Metroplaza,
223 Hing Fong Road,
Kwai Chung, N.T.
T +852/2578 4303
F +852/2887 0247
info.hk@zumtobel.com

Serbia

ZG Lighting d.o.o.
Beton hala – Karadorđeva 2-4
11000 Belgrade
M+381 69 54 44 802
welcome@zumtobel.rs

Headquarters

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



High-bay luminaires and floodlight reflector systems

India

Zumtobel Lighting GmbH
Vipul Trade Centre, 406, 4th Floor
Sohna Road, Sector 48,
Gurgaon 122002, Haryana, India
T +91/124 4206885 6886
info.in@zumtobel.com

Czech Republic

ZG Lighting Czech Republic s.r.o.
Jankovcova 2
Praha 7
17000 Praha
T +420 266 782 200
F +420 266 782 201
welcome@zumtobel.cz
zumtobel.cz

ZG Licht Mitte-Ost GmbH
Grevensmarschstrasse 74-78
32657 Lemgo, GERMANY
T +49/(0)5261 212-0
F +49/(0)5261 212-9000
info@zumtobel.de



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Singapore

Zumtobel Lighting Singapore
158 Kallang Way # 06-01/02
Singapore 349245
T +65 6844 5800
F +65 6745 7707
info.sg@zumtobel.com

Slovak Republic

ZG Lighting Slovakia s.r.o.
Tomášikova 64
831 04 Bratislava
welcome@zumtobel.sk
zumtobel.sk

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