

# **KNIHA SVÍTIDEL**

**Zimní stadion Pelhřimov**

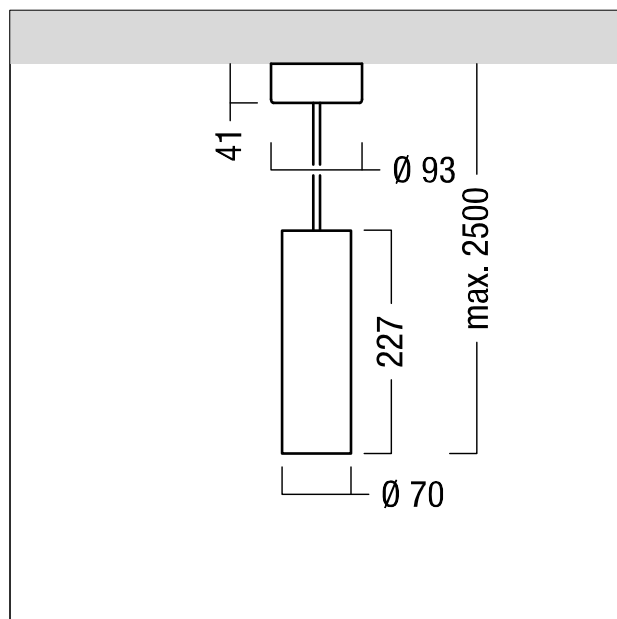
*aktualizováno dne 25.10.2024*

## LED pendant luminaire

LED pendant luminaire (pre-assembled luminaire), "Stable White"; maximum light quality thanks to specially designed reflector, lamp (s): LED800-930, (33 °) FLOOD distribution characteristic; reflector: smooth, coated black; Colour rendering  $R_a > 90$ , colour temperature 4000 K (neutral white); Chromaticity tolerance (initial MacAdam): 3; Luminaire input power: 12 W; Luminaire luminous flux: 800 lm, Luminaire efficacy: 67 lm/W; service life: 50000h at 85% luminous flux; includes control unit Slave luminaire for DALI control (DALI only); modular, high quality optical unit consisting of reflector and LED light chamber integrated in optimised thermal management of die-cast aluminium; reflector made of high-quality, UV-resistant polycarbonate; luminaire housing (2-part) die-cast aluminium, black painted; Pendant suspension with black cable, black ceiling rose; pendant cable can be shortened to length on-site in the ceiling rose; luminaire wired with halogen-free leads; power connection: 5-pole connector terminal; mains voltage: 220-240V / 0/50/60Hz; Dimensions: Ø70 x 227 mm; total length of luminaire including pendant cable max. 2500mm; weight: 1.49 kg; Note: UGR<19 for office applications compliant with EN12464 (depending on luminaire type)



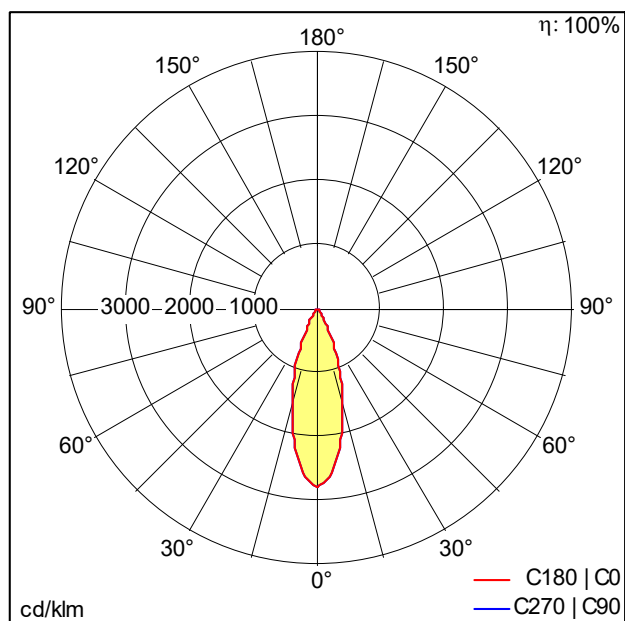
ZS\_PA1\_F\_70\_AB\_BLM\_BLM.jpg



ZS\_PA1\_M\_PEND\_R70\_LED.wmf

## Light Distribution

STD - standard



ST9364.Idt

- Light Source: LED
- Luminaire luminous flux\*: 800 lm
- Luminaire efficacy\*: 67 lm/W
- Colour Rendering Index min.: 90
- Ballast: 1 x 06826438 DRV TC PROF 38W 1.05A 54V D #DALI BI
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 3
- Rated median useful life\*: L85 50000 h at 25 °C
- Luminaire input power\*: 12 W Power factor = 0.9
- Dimming: LDO dimmable to 1% over DALI
- Maintenance category CIE 97: C - Closed Top Reflector

This product contains a light source of energy efficiency class F.

# S10a

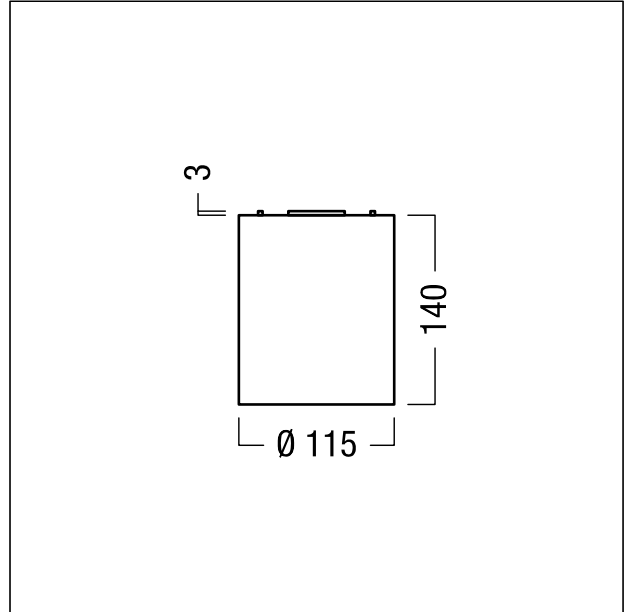
## LED ceiling-recessed luminaire

Miniaturised LED surface-mounted ceiling luminaire for powerful accent lighting; light distribution with good glare control; lamp(s): 1/21W, Colour rendering Ra > 90, colour temperature 4000 K, neutral white; (32 °) WIDEFLOOD distribution characteristic; reflector: silver with black deco edge; Chromaticity tolerance (initial MacAdam): 3; Luminaire luminous flux: 1700 lm, Luminaire efficacy: 81 lm/W; service life: 50000h at 80% luminous flux; pre-assembled model consisting of luminaire and control unit, switchable luminaire; lamp unit can tilt through  $\pm 20^\circ$ ; die-cast aluminium housing with black trim; faceted reflector made of aluminium, silver mirrorbrite; front ring: black; luminaire wired with halogen-free leads; electrical connection: 2-pole terminal; Luminaire input power: 21 W; mains voltage: 220-240 V / 0/50/60 Hz ; tool-free installation via two fixing clips in ceilings of thickness 3–15 mm; ceiling cutout:  $\varnothing$ mm, recessed depth: mm; weight: 0.96 kg

Note: Various colour combinations (design personalisations) of single components possible due to modular construction, and orderable as variant via myMICROS;  
for installation in closed ceilings with optional accessories, please order separately.



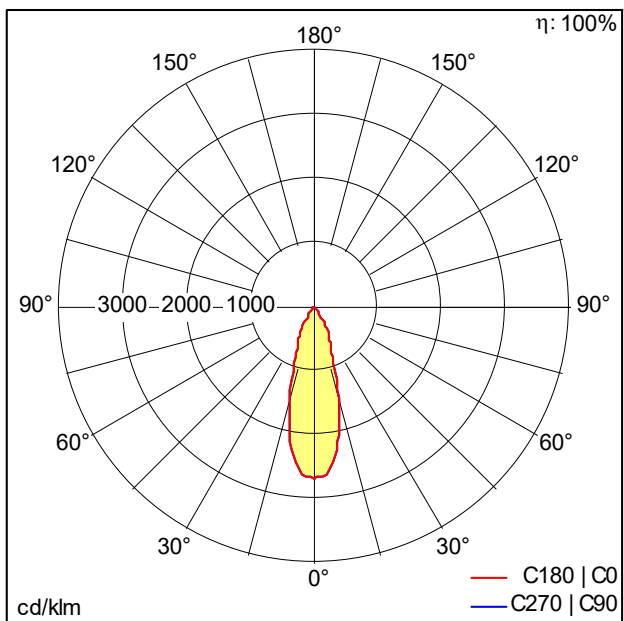
ZS\_MI2\_F\_Anbau\_R100\_BK\_BK\_BK.jpg



ZS\_MI2\_M\_SC100\_LED.wmf

## Light Distribution

STD - standard



ST9674.Idt

- Light Source: LED
- Luminaire luminous flux\*: 1700 lm
- Luminaire efficacy\*: 81 lm/W
- Colour Rendering Index min.: 90
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 3
- Rated median useful life\*:  
L80 50000 h at 25 °C
- Ballast: 1x LED\_Con
- Luminaire input power\*: 21 W Power factor = 0.98
- Dimming: SWI
- Maintenance category CIE 97: D - Enclosed IP2X

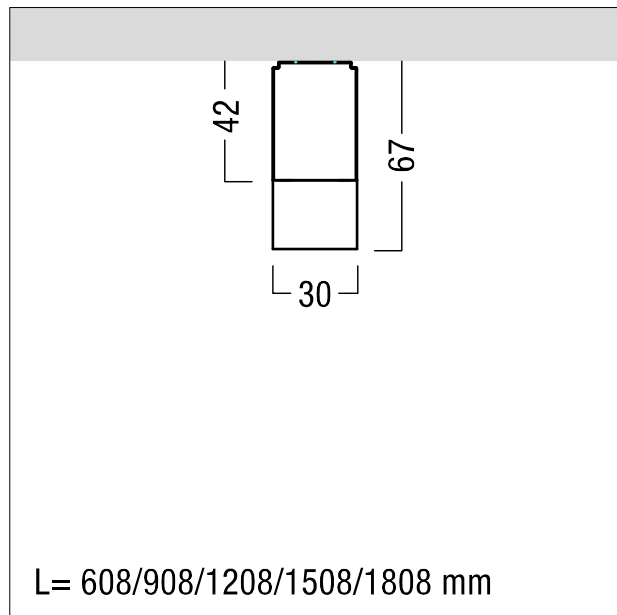
# S12a

## Batten luminaire

LED single batten luminaire for surface-mounting and suspending. DALI-controllable luminaire with integrated SELV converter. Primary and secondary optic for perfect dispersion of LED points and simultaneous indirect component for ceiling illumination. Energy-efficient LED single batten luminaire makes environmental and financial sense. Luminaire input power: 31.7 W; LED service life lasts 100000 h before luminous flux is reduced to 85% of the initial value. Chromaticity tolerance (initial MacAdam): 4. Luminaire luminous flux: 4450 lm, Luminaire efficacy: 140 lm/W. Colour rendering  $R_a > 80$ , colour temperature 4000 K. Single batten luminaire of high quality aluminium extrusion, powder coated in aluminium-silver. Luminaire wired with halogen-free leads. For pendant mounting please order the following separately per luminaire: 1 LINARIA ceiling rose, 1 transparent supply cable and 2 cord suspensions. Dimensions: 1808 x 30 x 67 mm. Weight: 2.2 kg



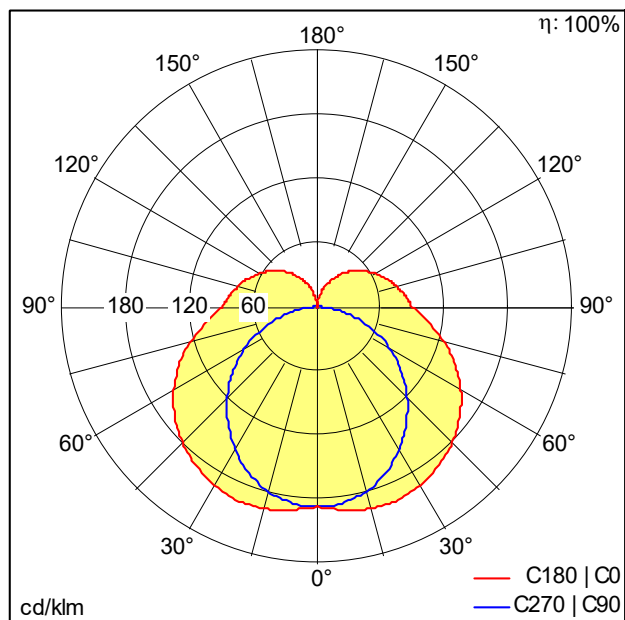
ZS\_LIN\_F\_LED.jpg



ZS\_LIN\_M\_Linaria\_LED.wmf

## Light Distribution

## STD - standard



D39718AA\_LINARIA\_LED4400-840\_L1808\_PM\_SR.Idt

- Light Source: LED
- Luminaire luminous flux\*: 4450 lm
- Luminaire efficacy\*: 140 lm/W
- Colour Rendering Index min.: 80
- Ballast: 1 x 28000656 LCA 50W 350-1050mA one4all Ip PRE
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 4
- Rated median useful life\*:
  - L85 100000 h at 25 °C
  - L90 75000 h at 25 °C
  - L90 50000 h at 25 °C
- Luminaire input power\*: 31.7 W Power factor = 0.96
- Standby Power\*: 0.2 W
- Dimming: LDE dimmable to 1%
  - over DALI, DSI and switchDIM
  - DC level is adjustable
- Maintenance category CIE 97: D - Enclosed IP2X

This product contains a light source of energy efficiency class C.

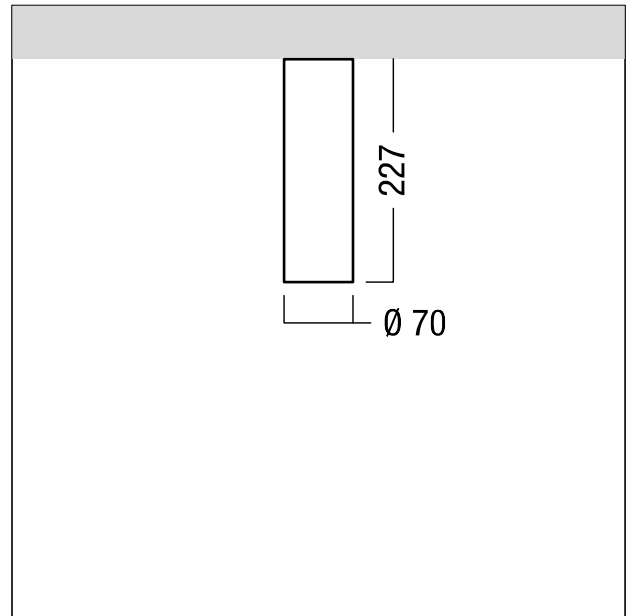
## LED surface-mount ceiling luminaire

LED surface-mount ceiling luminaire (pre-assembled luminaire), "Stable White"; maximum light quality thanks to specially designed reflector, lamp(s): LED800-940, (33 °) FLOOD distribution characteristic; reflector: smooth, coated black; Colour rendering Ra > 90, colour temperature 4000 K (neutral white); Chromaticity tolerance (initial MacAdam): 3; Luminaire input power: 12 W; Luminaire luminous flux: 825 lm, Luminaire efficacy: 69 lm/W; service life: 50000h at 85% luminous flux; includes control unit Slave luminaire for DALI control (DALI only); modular, high quality optical unit consisting of reflector and LED light chamber integrated in optimised thermal management of die-cast aluminium; reflector made of high-quality, UV-resistant polycarbonate; surface-mount housing (2-part) of die-cast aluminium, black painted; lower housing fitted to top section using twist-and-lock mechanism; luminaire wired with halogen-free leads; power connection: 5-pole connector terminal; mains voltage: 220-240V / 0/50/60Hz; Dimensions: Ø70 x 227 mm; weight: 1.08 kg;

Note: UGR<19 for office applications compliant with EN12464 (depending on luminaire type)



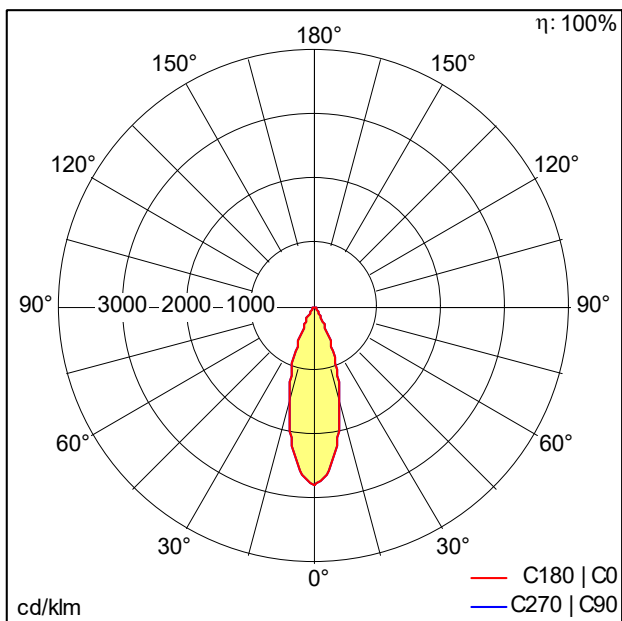
ZS\_PA1\_F\_70\_AB\_WHM\_BLM.jpg



ZS\_PA1\_M\_SURF\_R70\_LED.wmf

## Light Distribution

STD - standard



ST9375.Idt

- Light Source: LED
- Luminaire luminous flux\*: 825 lm
- Luminaire efficacy\*: 69 lm/W
- Colour Rendering Index min.: 90
- Ballast: 1 x 06826438 DRV TC PROF 38W 1.05A 54V D #DALI BI
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 3
- Rated median useful life\*: L85 50000 h at 25 °C
- Luminaire input power\*: 12 W Power factor = 0.9
- Dimming: LDO dimmable to 1% over DALI
- Maintenance category CIE 97: C - Closed Top Reflector

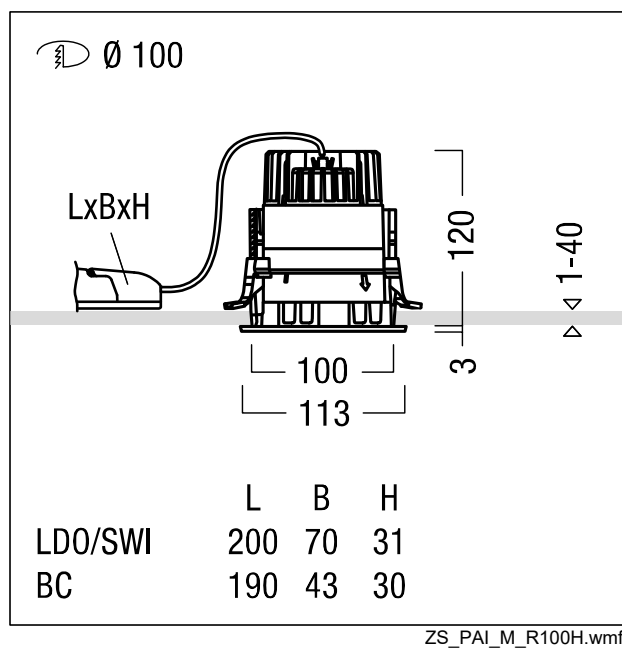
This product contains a light source of energy efficiency class E.

## LED ceiling-recessed luminaire

LED ceiling-recessed luminaire (pre-assembled luminaire), "Stable White"; shielding angle 45°; lamp(s): LED1300-940; Colour rendering  $R_a > 90$  ( $R_9 > 50$ ), colour temperature 4000 K (neutral white); Chromaticity tolerance (initial MacAdam): 2; Luminaire input power: 15 W; Luminaire luminous flux: 1496 lm, Luminaire efficacy: 100 lm/W; service life: 100000h at 90% luminous flux or 50000h at 95% luminous flux; includes control unit Slave luminaire for DALI control (DALI only); modular, high quality optical unit consisting of reflector and LED light chamber integrated in optimised thermal management of die-cast aluminium; smooth reflector in matt aluminized finish; reflector/trim made of high-quality, UV-resistant polycarbonate; Cover ring / housing matt silver; mounting surround of Glass fibre-reinforced polycarbonate (PC), grey; luminaire unit can be fitted quickly without tools using twist-and-lock mechanism; IP20; luminaire wired with halogen-free leads; power connection: 5-pole connector terminal, ; loop-in/loop-out possible; mains voltage: 220-240 V / 0/50/60 Hz, for use with 220V DC central battery ; installation: tool-free quick installation using antislip spring clips in ceilings of thickness 1-40mm; ceiling cutout: 100mm, recess depth: 140mm; weight: 0.6 kg;

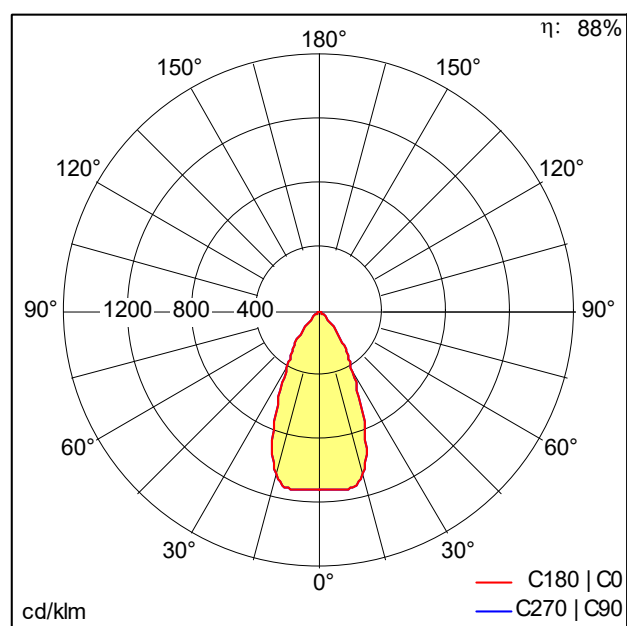
Note: UGR<19 for office applications compliant with EN12464 (depending on luminaire type)

LDO: DALI dimmable (DO: DALI only)



## Light Distribution

STD - standard



- Light Source: LED
- Luminaire luminous flux\*: 1496 lm
- Luminaire efficacy\*: 100 lm/W
- Colour Rendering Index min.: 90
- Ballast: 1 x 28001407 LCA 17W 250-700mA one4all SR PRE Z
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*: L90 100000 h at 25 °C  
L95 50000 h at 25 °C
- Luminaire input power\*: 15 W Power factor = 0.96
- Standby Power\*: 0.1 W
- Dimming: LDO dimmable to 1% over DALI
- Maintenance category CIE 97: C - Closed Top Reflector

This product contains a light source of energy efficiency class C.

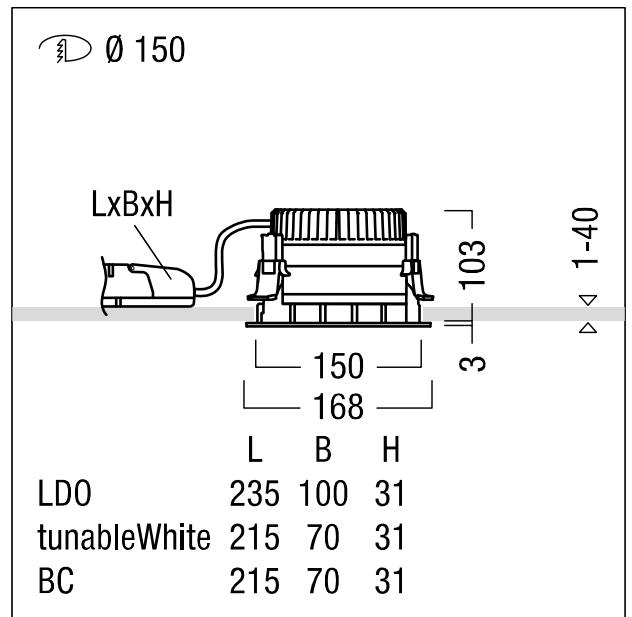
## LED ceiling-recessed luminaire

LED ceiling-recessed luminaire (pre-assembled luminaire); "stableWhite" LED luminaire, symmetric wide-beam light distribution with maximum luminaire efficiency and optimum photometric properties; lamp(s): LED1000-940; Colour rendering Ra > 90 (R9> 50), colour temperature 4000 K (neutral white); Chromaticity tolerance (initial MacAdam): 2; Luminaire input power: 9 W; Luminaire luminous flux: 940 lm, Luminaire efficacy: 104 lm/W; service life: 100000h at 90% luminous flux or 50000h at 95% luminous flux; includes separate control unit Slave luminaire for DALI control (DALI only); high-quality reflector unit fixed to modular LED lighting chamber by twist-and-lock mechanism; high-efficiency LED lighting chamber is integrated in optimised, passive thermal management system of diecast aluminium; reflector: smooth, matt aluminized finish; reflector/trim made of high-quality, UV-resistant polycarbonate; cover ring white; mounting ring of Glass fibre-reinforced polycarbonate (PC), grey; luminaire unit can be fitted quickly without tools using twist-and-lock mechanism; IP44\_IP20; luminaire wired with halogen-free leads; power connection: 5-pole connector terminal, ; loop-in/loop-out possible; mains voltage: 220-240 V / 0/50/60 Hz, for use with 220V DC central battery ; installation: tool-free quick installation using antislip spring clips in ceilings of thickness 1-40mm; ceiling cutout: 150mm, recess depth: 113mm; weight: 0.84 kg;

Note: UGR<19 (aluminized reflector type) for office applications in compliance with EN12464  
LDO: DALI dimmable (DO: DALI only)



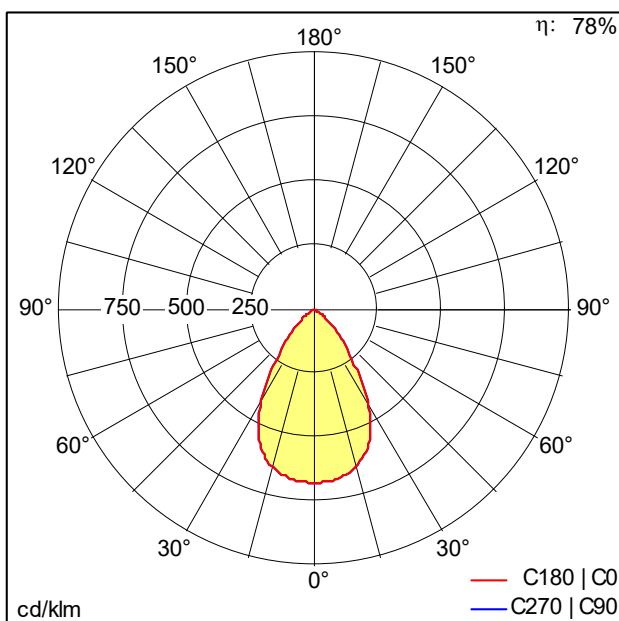
ZS\_PAE\_F\_E150\_HM\_Rahmen\_NW.jpg



ZS\_PAI\_M\_R150H\_LED\_WH.wmf

## Light Distribution

STD - standard

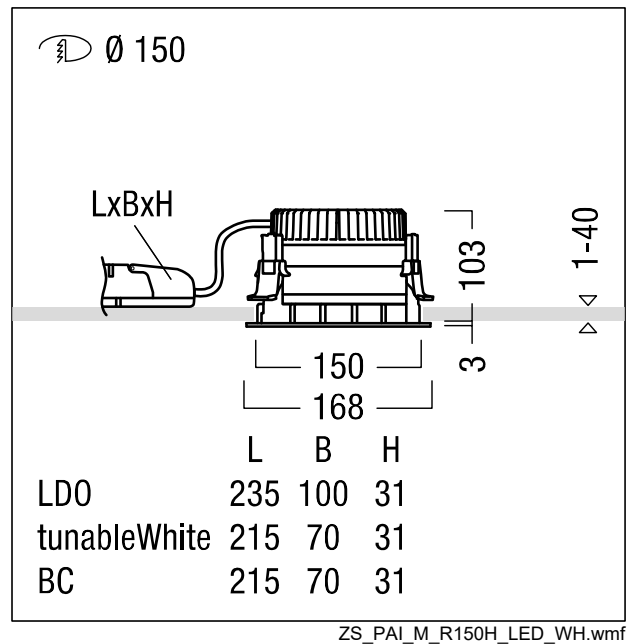


- Light Source: LED
- Luminaire luminous flux\*: 940 lm
- Luminaire efficacy\*: 104 lm/W
- Colour Rendering Index min.: 90
- Ballast: 1 x 28001407 LCA 17W 250-700mA one4all SR PRE Z
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*: L90 100000 h at 25 °C  
L95 50000 h at 25 °C
- Luminaire input power\*: 9 W Power factor = 0.96
- Standby Power\*: 0.14 W
- Dimming: LDO dimmable to 1% over DALI
- Maintenance category CIE 97: C - Closed Top Reflector

This product contains a light source of energy efficiency class C.

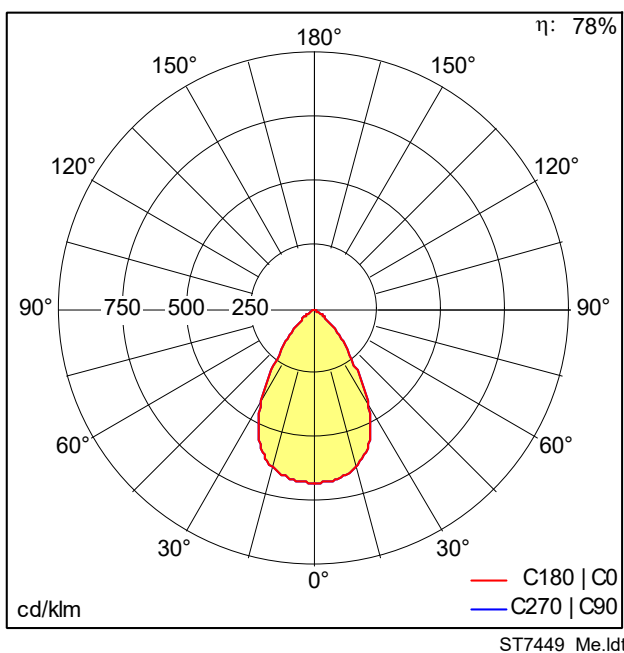
## LED ceiling-recessed luminaire

LED ceiling-recessed luminaire (pre-assembled luminaire); "stableWhite" LED luminaire, symmetric wide-beam light distribution with maximum luminaire efficiency and optimum photometric properties; lamp(s): LED1600-940; Colour rendering Ra > 90 (R9> 50), colour temperature 4000 K (neutral white); Chromaticity tolerance (initial MacAdam): 2; Luminaire input power: 15 W; Luminaire luminous flux: 1449 lm, Luminaire efficacy: 97 lm/W; service life: 100000h at 90% luminous flux or 50000h at 95% luminous flux; includes separate control unit Slave luminaire for DALI control (DALI only); high-quality reflector unit fixed to modular LED lighting chamber by twist-and-lock mechanism; high-efficiency LED lighting chamber is integrated in optimised, passive thermal management system of diecast aluminium; reflector: smooth, matt aluminized finish; reflector/trim made of high-quality, UV-resistant polycarbonate; cover ring white; mounting ring of Glass fibre-reinforced polycarbonate (PC), grey; luminaire unit can be fitted quickly without tools using twist-and-lock mechanism; IP44\_IP20; luminaire wired with halogen-free leads; power connection: 5-pole connector terminal, ; loop-in/loop-out possible; mains voltage: 220-240 V / 0/50/60 Hz, for use with 220V DC central battery ; installation: tool-free quick installation using antislip spring clips in ceilings of thickness 1-40mm; ceiling cutout: 150mm, recess depth: 113mm; weight: 0.84 kg; Note: UGR<19 (aluminized reflector type) for office applications in compliance with EN12464



## Light Distribution

STD - standard



- Light Source: LED
- Luminaire luminous flux\*: 1449 lm
- Luminaire efficacy\*: 97 lm/W
- Colour Rendering Index min.: 90
- Ballast: 1 x 28001407 LCA 17W 250-700mA one4all SR PRE Z
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*:  
L90 100000 h at 25 °C  
L95 50000 h at 25 °C
- Luminaire input power\*: 15 W Power factor = 0.98
- Standby Power\*: 0.1 W
- Dimming: LDO dimmable to 1% over DALI
- Maintenance category CIE 97: C - Closed Top Reflector

This product contains a light source of energy efficiency class C.

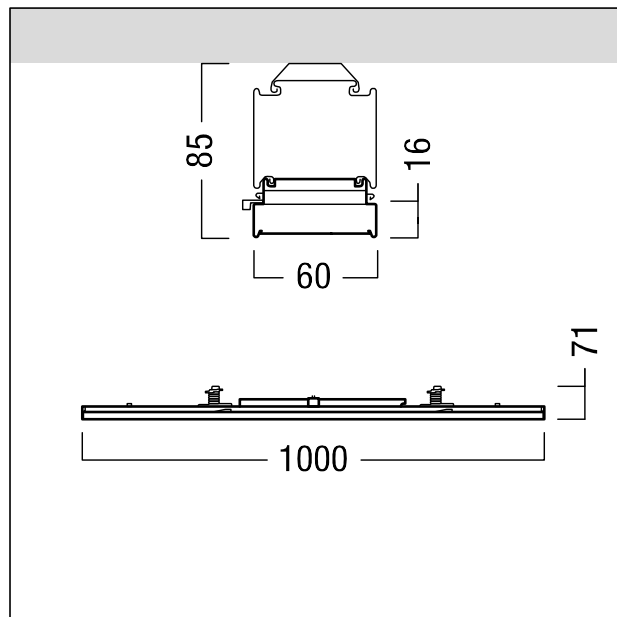


## LED continuous-row luminaire

Linear, energy-efficient LED continuous-row luminaire with 64 highly efficient mid-power LEDs per segment. Luminaire input power: 21.8 W, DALI controllable luminaire with LED converter, makes environmental and financial sense. LED service life lasts 100000 h before luminous flux is reduced to 95% of the initial value. Chromaticity tolerance (initial MacAdam): 2. Luminaire efficacy: 161 lm/W. Luminaire luminous flux: 3500 lm. Luminaire with symmetric wide light distribution (wide beam). Colour rendering Ra > 80, colour temperature 4000 K. Split lens concept for reducing perceived glare. Overlapping PMMA lenses (shatter-resistant to IK07) achieve IP50 protection for LED and optic. All-in-one solution: lighting batten, lamp and reflector are combined in one product to produce a 100 % continuous ribbon of LED light without gaps. High-quality look in a design that matches the trunking. Dimming level for DC mode preset to 15 %. LED continuous-row luminaire of sheet steel, enamelled in polyester lacquer finish, silver. 100% flexible, tool-free mechanical and electrical installation using CLIX-technology by means of two side-mounted rotary levers on the TECTON trunking. No ultraviolet or infrared radiation. Ambient temperature: -20°C to +40°C. Luminaire wired with halogen-free leads, silicone-free. Note: please talk to your adviser if you are planning to use the luminaire in environments containing chemical pollutants. Dimensions: 1000 x 60 x 85 mm. Weight: 1.5 kg.



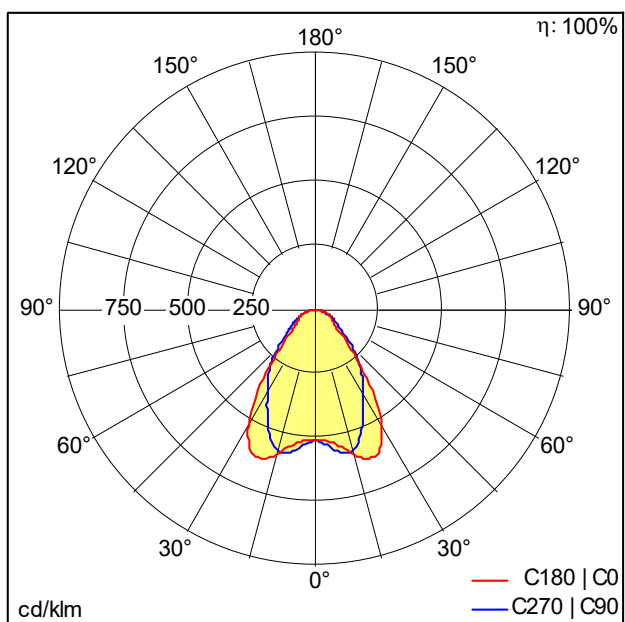
ZS\_TEC\_F\_LED\_Balken\_silber.jpg



ZS\_TEC\_M\_C\_LED\_Balken\_L1000.wmf

## Light Distribution

## STD - standard



D35001AA\_TECTON\_C\_LED3700-840\_L1000\_WB\_LDE\_SR.Idt

- Light Source: LED
- Luminaire luminous flux\*: 3500 lm
- Luminaire efficacy\*: 161 lm/W
- Colour Rendering Index min.: 80
- Ballast: 1 x 28000655 LCA 50W 100-400mA one4all Ip PRE
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*:  
L95 100000 h at -20 °C  
L95 100000 h at 40 °C
- Luminaire input power\*: 21.8 W Power factor = 0.9
- Standby Power\*: 0.15 W
- Dimming: LDE dimmable to 1%  
over DALI, DSI and switchDIM  
DC level is adjustable
- Maintenance category CIE 97: D - Enclosed IP2X
- Total harmonic distortion (THD): 15.80 %

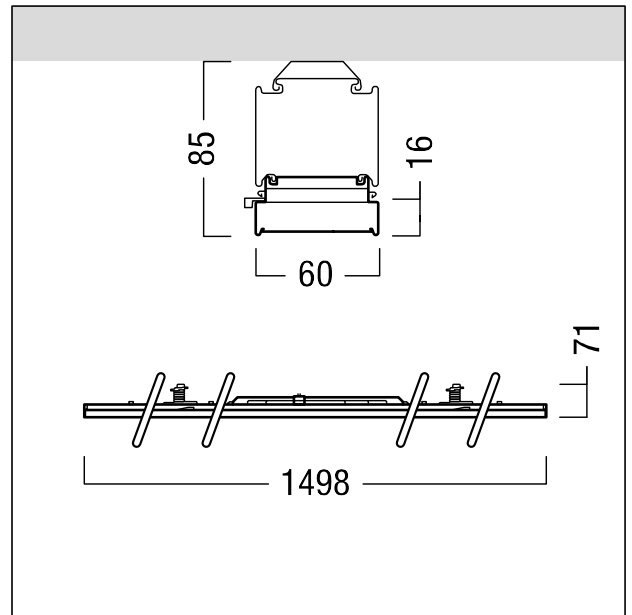
This product contains a light source of energy efficiency class C.

## LED continuous-row luminaire

Linear, energy-efficient LED continuous-row luminaire with 64 highly efficient mid-power LEDs per segment. Luminaire input power: 31.1 W, DALI controllable luminaire with LED converter, makes environmental and financial sense. LED service life lasts 100000 h before luminous flux is reduced to 95% of the initial value. Chromaticity tolerance (initial MacAdam): 2. Luminaire efficacy: 169 lm/W. Luminaire luminous flux: 5260 lm. Luminaire with symmetric wide light distribution (wide beam). Colour rendering Ra > 80, colour temperature 4000 K. Split lens concept for reducing perceived glare. Overlapping PMMA lenses (shatter-resistant to IK07) achieve IP50 protection for LED and optic. All-in-one solution: lighting batten, lamp and reflector are combined in one product to produce a 100 % continuous ribbon of LED light without gaps. High-quality look in a design that matches the trunking. Dimming level for DC mode preset to 15 %. LED continuous-row luminaire of sheet steel, enamelled in polyester lacquer finish, silver. 100% flexible, tool-free mechanical and electrical installation using CLIX-technology by means of two side-mounted rotary levers on the TECTON trunking. No ultraviolet or infrared radiation. Ambient temperature: -20°C to +40°C. Luminaire wired with halogen-free leads, silicone-free. Note: please talk to your adviser if you are planning to use the luminaire in environments containing chemical pollutants. Dimensions: 1498 x 60 x 85 mm. Weight: 2.2 kg.



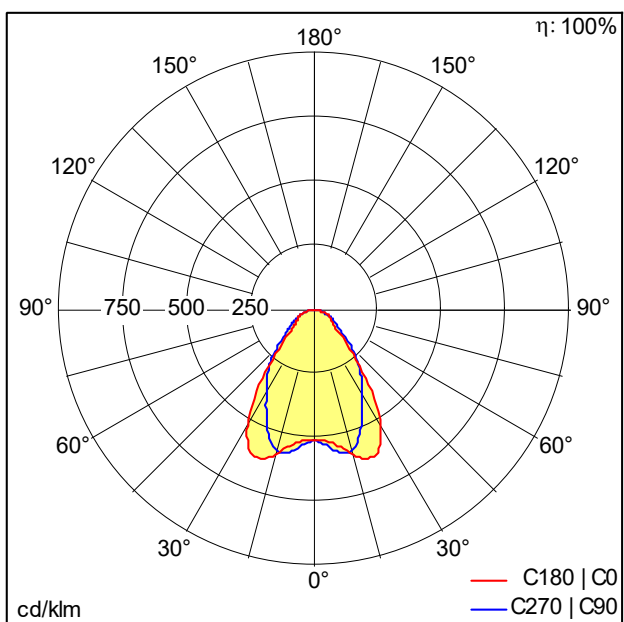
ZS\_TEC\_F\_LED\_Balken\_silber.jpg



ZS\_TEC\_M\_C\_LED\_Balken\_L1500.wmf

## Light Distribution

STD - standard



D35001AA\_TECTON\_C\_LED5500-840\_L1500\_WB\_LDE\_SR.Idt

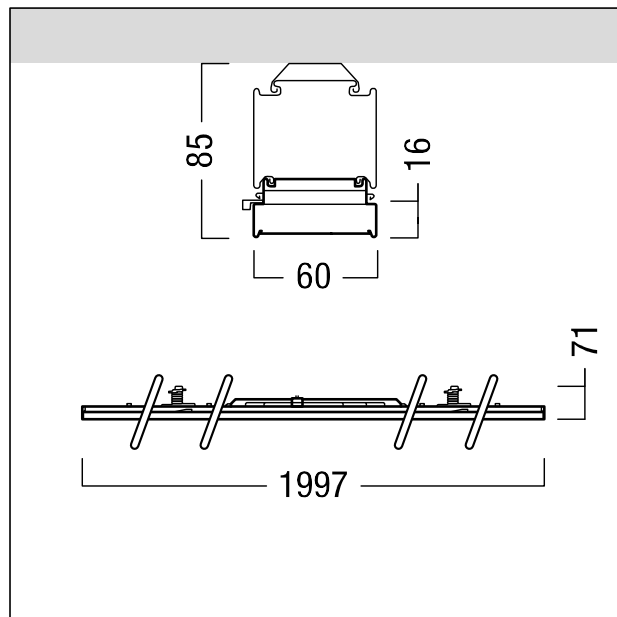
- Light Source: LED
- Luminaire luminous flux\*: 5260 lm
- Luminaire efficacy\*: 169 lm/W
- Colour Rendering Index min.: 80
- Ballast: 1 x 28000657 LCA 75W 100-400mA one4all Ip PRE
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*:  
L95 100000 h at -20 °C  
L95 100000 h at 40 °C
- Luminaire input power\*: 31.1 W Power factor = 0.92
- Standby Power\*: 0.15 W
- Dimming: LDE dimmable to 1%  
over DALI, DSI and switchDIM  
DC level is adjustable
- Maintenance category CIE 97: D - Enclosed IP2X
- Total harmonic distortion (THD): 15.60 %

## LED continuous-row luminaire

Linear, energy-efficient TECTON LED continuous-row luminaire with 64 highly efficient mid-power LEDs per segment. Luminaire input power: 41.6 W, DALI controllable luminaire with LED converter, makes environmental and financial sense. LED service life lasts 100000 h before luminous flux is reduced to 95% of the initial value. Chromaticity tolerance (initial MacAdam): 2. Luminaire efficacy: 169 lm/W. Luminaire luminous flux: 7020 lm. Luminaire with symmetric wide light distribution (wide beam). Colour rendering Ra > 80, colour temperature 4000 K. Split lens concept for reducing perceived glare. Overlapping PMMA lenses (shatter-resistant to IK07) achieve IP50 protection for LED and optic. All-in-one solution: lighting batten, lamp and reflector are combined in one product to produce a 100 % continuous ribbon of LED light without gaps. High-quality look in a design that matches the trunking. Dimming level for DC mode preset to 15 %. LED continuous-row luminaire of sheet steel, enamelled in polyester lacquer finish, silver. 100% flexible, tool-free mechanical and electrical installation using CLIX-technology by means of two side-mounted rotary levers on the TECTON trunking. No ultraviolet or infrared radiation. Ambient temperature: -20°C to +40°C. Luminaire wired with halogen-free leads, silicone-free. Note: please talk to your adviser if you are planning to use the luminaire in environments containing chemical pollutants. Dimensions: 1997 x 60 x 85 mm. Weight: 2.8 kg.



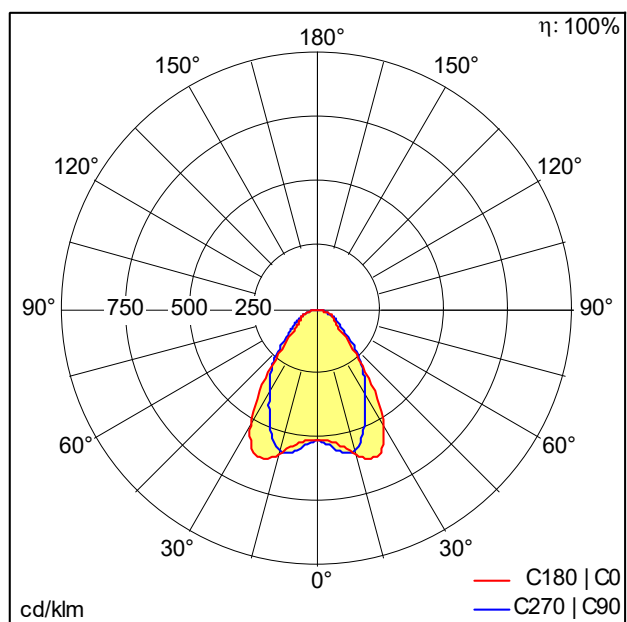
ZS\_TEC\_F\_LED\_Balken\_silber.jpg



ZS\_TEC\_M\_C\_LED\_Balken\_L2000.wmf

## Light Distribution

STD - standard



D35001AA\_TECTON\_C\_LED7400-840\_L2000\_WB\_LDE\_SR.Idt

- Light Source: LED
- Luminaire luminous flux\*: 7020 lm
- Luminaire efficacy\*: 169 lm/W
- Colour Rendering Index min.: 80
- Ballast 1: 1 x 28000657 LCA 75W 100-400mA one4all  
lp PRE
- Ballast 2: 1 x 89800660 DRV EM TR LBS C ST DA 3.  
5W 1#NiCd/NiMH
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*:  
L95 100000 h at -20 °C  
L95 100000 h at 40 °C
- Luminaire input power\*: 41.6 W Power factor = 0.93
- Standby Power\*: 0.15 W
- Dimming: LDE dimmable to 1%  
over DALI, DSI and switchDIM  
DC level is adjustable
- Maintenance category CIE 97: D - Enclosed IP2X
- Total harmonic distortion (THD): 11.50 %

# lištový systém

## Mount. track for indiv. install., silver

Mount. track for indiv. install., silver for TECTON C and TECTON MIREL luminaires made of roll-formed sheet steel in polyester lacquer finish. 6-pole connection included (network 3, control line 2, emergency continuous phase 1). Includes transparent end caps. Dimensions: 1013 x 60 x 54 mm; weight: 1.5 kg

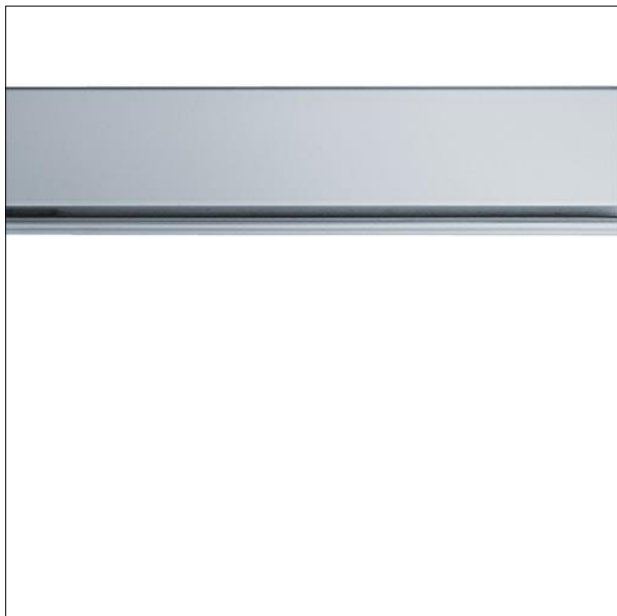


ZS\_TEC\_F\_EinzelTrageschiene\_SR.jpg

# lištový systém

## Mount. track for indiv. install., silver

Mount. track for indiv. install., silver for TECTON C and TECTON MIREL luminaires made of roll-formed sheet steel in polyester lacquer finish. 6-pole connection included (network 3, control line 2, emergency continuous phase 1). Includes transparent end caps. Dimensions: 1512 x 60 x 54 mm; weight: 2.5 kg



ZS\_TEC\_F\_EinzelTrageschiene\_SR.jpg

# lištový systém

## Mount. track for indiv. install., silver

Mount. track for indiv. install., silver for TECTON C and TECTON MIREL luminaires made of roll-formed sheet steel in polyester lacquer finish. 6-pole connection included (network 3, control line 2, emergency continuous phase 1). Includes transparent end caps. Dimensions: 2010 x 60 x 54 mm; weight: 3 kg



ZS\_TEC\_F\_EinzelTrageschiene\_SR.jpg

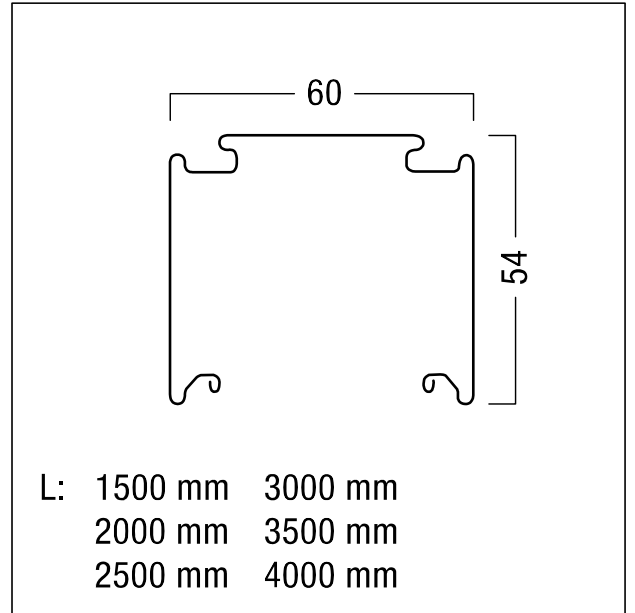
# lišťový systém

## Trunking

Trunking made of roll-formed sheet steel in silver. 11 conductors embedded in an integral conductor moulding. 5 mains power lines (5 x 2.5mm<sup>2</sup>/16A) plus 2 x 2 conductors (4 x 1.5mm<sup>2</sup>/10A) for integrating emergency lighting using two independently isolated circuits, plus and 2 control-line conductors (2 x 1.5mm<sup>2</sup>/10A). Tool-free connection using electrical feed kit. Dimensions: 1501 x 69 x 60 mm; weight: 2.5 kg



ZS\_TEC\_F\_Trageschiene.jpg

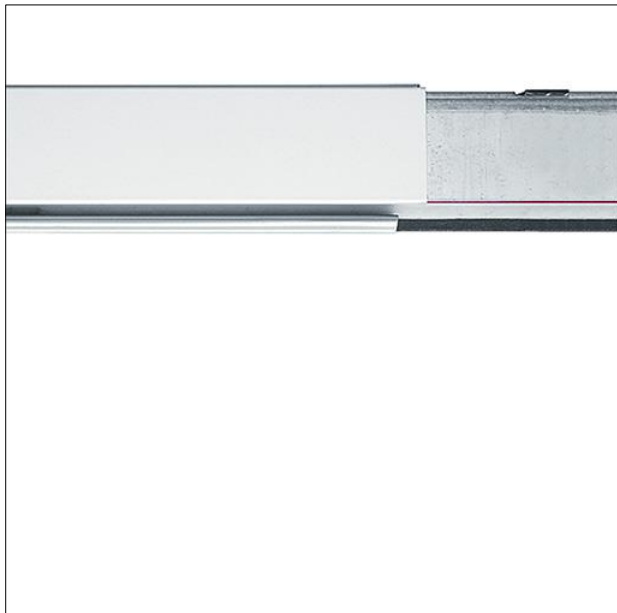


ZS\_TEC\_M\_Tragschienen.wmf

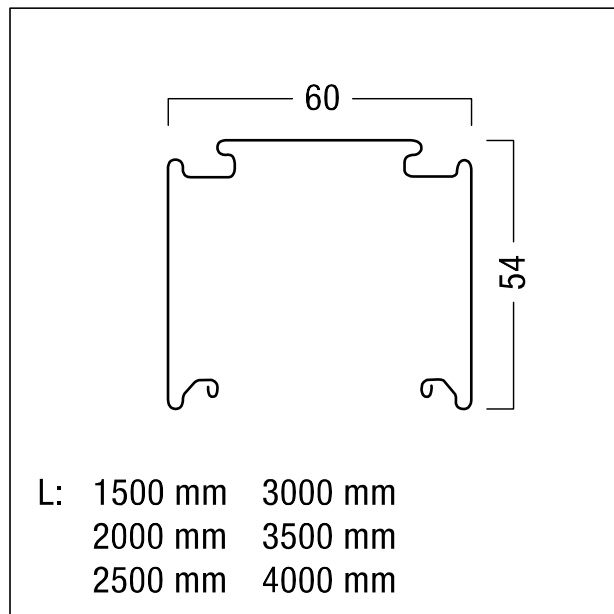
# lištový systém

## Trunking

Trunking made of roll-formed sheet steel in silver. 11 conductors embedded in an integral conductor moulding. 5 mains power lines (5 x 2.5mm<sup>2</sup>/16A) plus 2 x 2 conductors (4 x 1.5mm<sup>2</sup>/10A) for integrating emergency lighting using two independently isolated circuits, plus and 2 control-line conductors (2 x 1.5mm<sup>2</sup>/10A). Tool-free connection using electrical feed kit. Dimensions: 3001 x 69 x 60 mm; weight: 5.3 kg



ZS\_TEC\_F\_Trageschiene.jpg



ZS\_TEC\_M\_Tragschienen.wmf



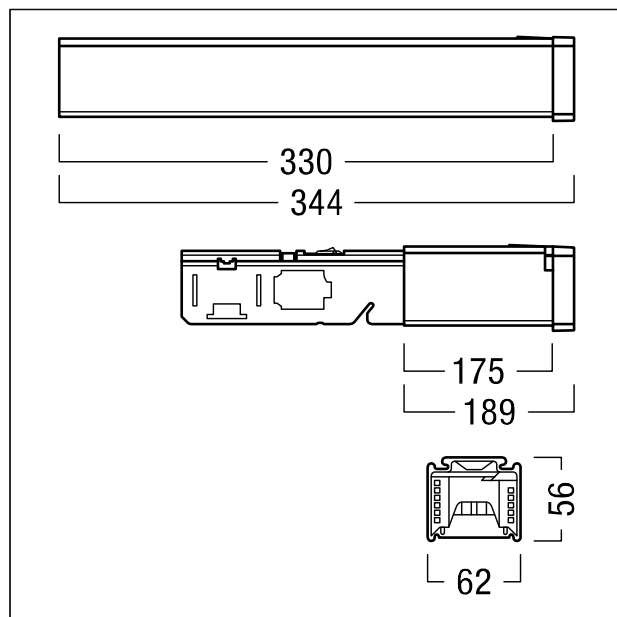
# lištový systém

## Electric feed, silver

Power-feed kit L500 in silver made of profiled sheet steel for electrical connection of the continuous row. The length of the power-feed kit is optimised for fully equipped continuous rows with TECTON C continuous row luminaires. Plug-in connecting terminals for 5 mains power lines, 2 x 2 emergency lighting conductors and 2 control lines. Includes end caps and protective covers to prevent accidental contact with electrical conductors. Dimensions: 533 x 60 x 58 mm; weight: 1.4 kg



ZS\_TEC\_F\_TE\_500\_Top\_SR.jpg



ZS\_TEC\_M\_TECTON\_TE\_500.wmf

# lištový systém

## cord suspension

Cord suspension for connecting trunking without tools using CLIX technology. Fixing clips made of V2A rust-proof spring steel. Maximum load: 30 kg. Dimensions: 2 x 2 x 2000 mm; weight: 0.8 kg



ZS\_RTX\_F\_IIAufhaengung\_Seil.jpg

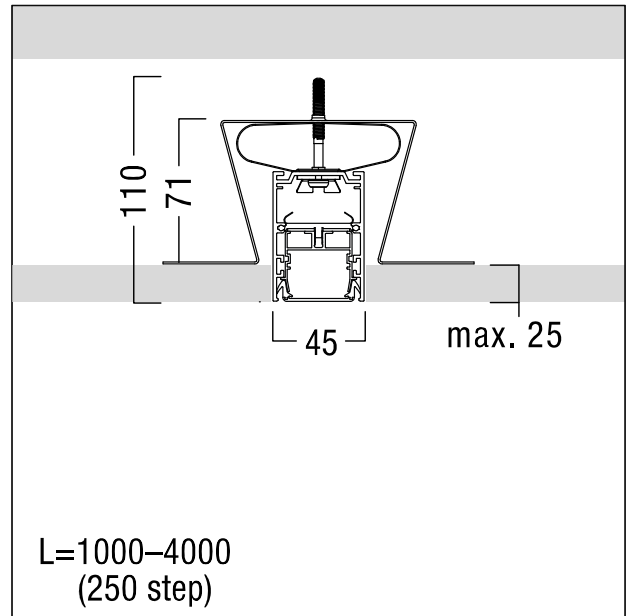
# S21

LED lightline for recessed ceiling installation into plasterboard in I-Form in silver without frame in length 1754 mm with Lightcolour 4000 Kelvin and Colour Rendering Ra>80 with DALI-controllable LED converter, with cover Opal (PC) to 50m from one piece with UGR < 25.

Total luminous flux of the configuration; 2900 lm conforms 1653 lm/m \*. LED service life lasts 50.000h before luminous flux is reduced to 90% of the initial value. Chromaticity tolerance (initial MacAdam): 3., Luminaire Efficiency: 76.7 lm/W \*. Dimming level for DC mode preset to 15 %. Luminaire is made of powder coated aluminium, pre coated. Luminaire with 100% uniform appearance due to polycarbonate cover (PC) with shatter-resistant to IK07. Luminaire consists of housing and continuous optic of polycarbonate (PC). Includes gear tray, through wiring, and end-cap set. No ultraviolet or infrared radiation. Luminaire wired with halogen-free leads and covers are due to norm classified as TP(a). Degree of protection: IP20. Total weight for the configuration: 5.1 kg. Total connected load for the configuration: 37.8 W \*. \* Values and figures are based on the complete configuration.



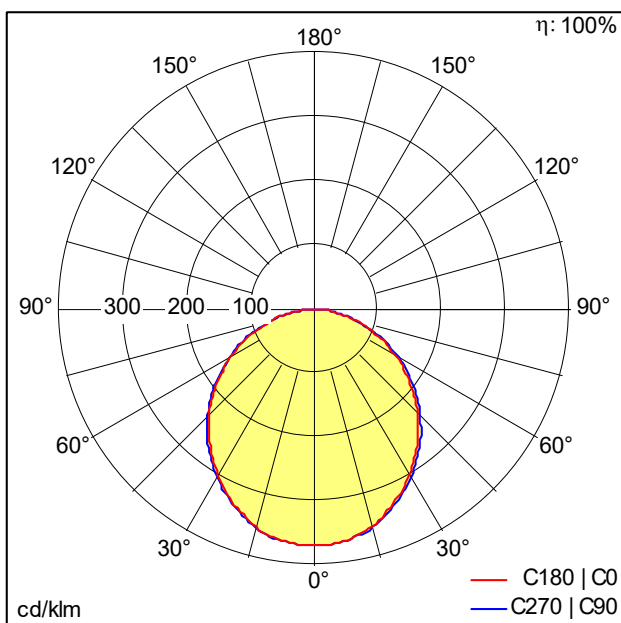
ZS\_SLI\_F\_slim\_Einzelleuchte\_3er.jpg



ZS\_SLI\_M\_slim\_Einbau.wmf

## Light Distribution

840 PC - diffuse



- Light Source: LED
- Luminaire luminous flux\*: 2900 lm
- Luminaire efficacy\*: 77 lm/W
- Colour Rendering Index min.: 80
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 3
- Rated median useful life\*: L85 50000 h at 25 °C
- Luminaire input power\*: 37.8 W Power factor = 0.98
- Standby Power\*: 0.15 W
- Dimming: LDE dimmable to 1%  
over DALI, DSI and switchDIM  
DC level is adjustable
- Maintenance category CIE 97: D - Enclosed IP2X

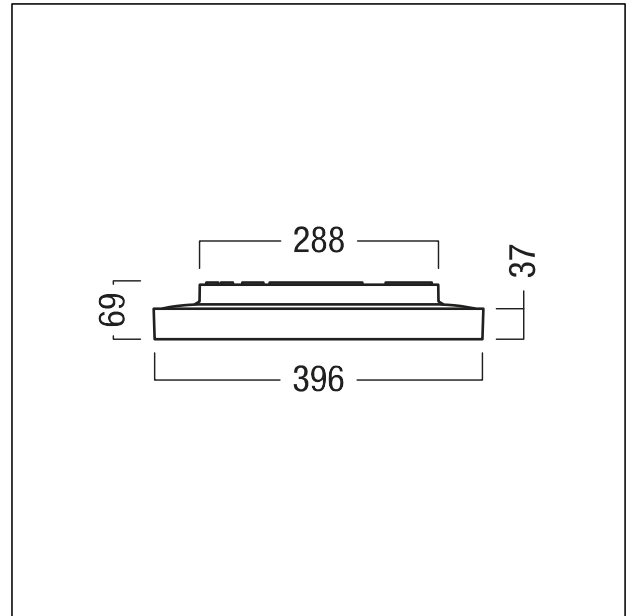
## Decor. round wall and ceiling luminaire

Decor. round wall and ceiling luminaire LANOS OPAL; Luminaire input power: 19.2 W; LED service life lasts 50000 h before luminous flux is reduced to 80% of the initial value. Luminaire efficacy: 130 lm/W; Total luminous flux: 2500 lm; Colour rendering Ra > 90, colour temperature 4000 K; DALI controllable luminaire; with LED converter; Chromaticity tolerance (initial MacAdam): 2; premium luminaire housing made of polycarbonate in colour black; (similar to RAL 9005); opal optic; Luminaire with direct light only; ; Impact strength: IK08 and protection rating IP54.

Dimensions: Ø396 x 69 mm; weight: 2.17 kg



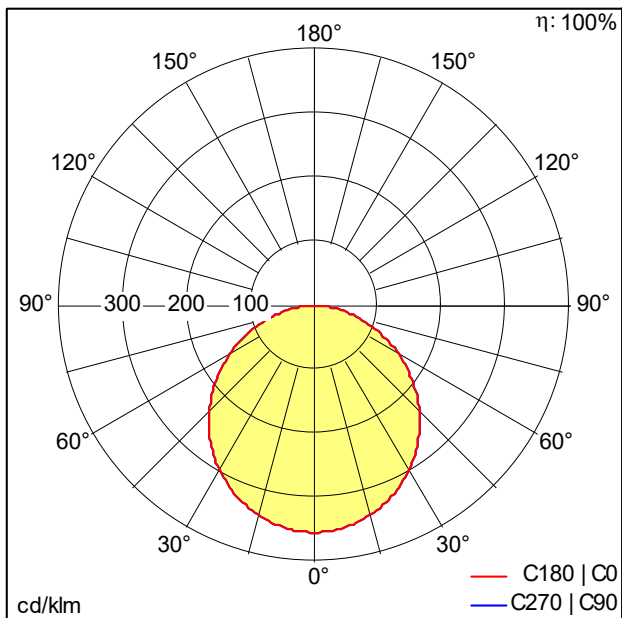
ZS\_LAN\_F\_LANOS\_400\_Anbau\_BK.jpg



ZS\_LAN\_M\_LANOS\_S\_LD400.wmf

## Light Distribution

STD - standard



- Light Source: LED
- Luminaire luminous flux\*: 2500 lm
- Luminaire efficacy\*: 130 lm/W
- Colour Rendering Index min.: 90
- Correlated colour temperature\*: 4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 2
- Rated median useful life\*: L80 50000 h at 25 °C
- Ballast: LED Driver, DALI steuerbar
- Luminaire input power\*: 19.2 W Power factor = 0.96
- Dimming: DALI steuerbar
- Maintenance category CIE 97: D - Enclosed IP2X

This product contains a light source of energy efficiency class D.