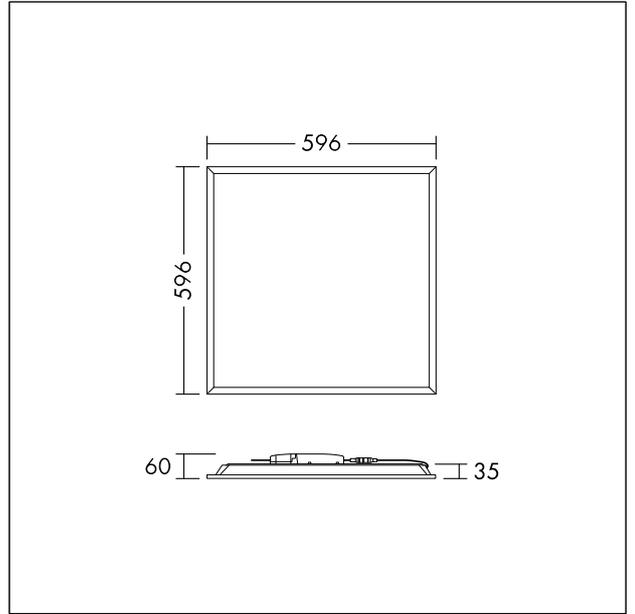


Recessed LED panel

LED Panel with opal homogenous light emitting surface. Easy to adjust tuneable lumen output and colour temperature switch located on the luminaire. Gentle, soft and glare-free lighting with UGR <19 for schools and offices, with UGR film made of TpB rated PC and PS diffuser for fully homogenous illumination, with aluminium frame. Total luminous flux: 4400 lm. Luminaire input power: 35 W. Luminaire Efficiency: up to 126 lm/W, correlated colour temperature (CCT) adjustable via switch for 3000K, 3500K or 4000K. Lifetime: 50.000hrs @L80, Colour Rendering: CRI > 80, Chromaticity tolerance (initial MacAdam): 4. Provided with detachable quick connector for easy installation and tool-free loop-in loop-out wiring and safety wire, Flicker free, Suitable for lay-in installation. Available accessories: Plug&Play Emergency kit for 3 hour emergency conversion (Self or Manualtest), surface and suspension mounting kits. Lumen package adjustable on site by 4 steps FLEX@4000K: (FLEX1 - 4400 lm (35W), FLEX2 - 4000 lm (31W), FLEX3 - 3750 lm (29W), FLEX4 - 3000 lm (23W). Detailed power setting information available on www.THORNeco.com. Dimensions: 596 x 596 x 35 mm, weight: 1.97 kg



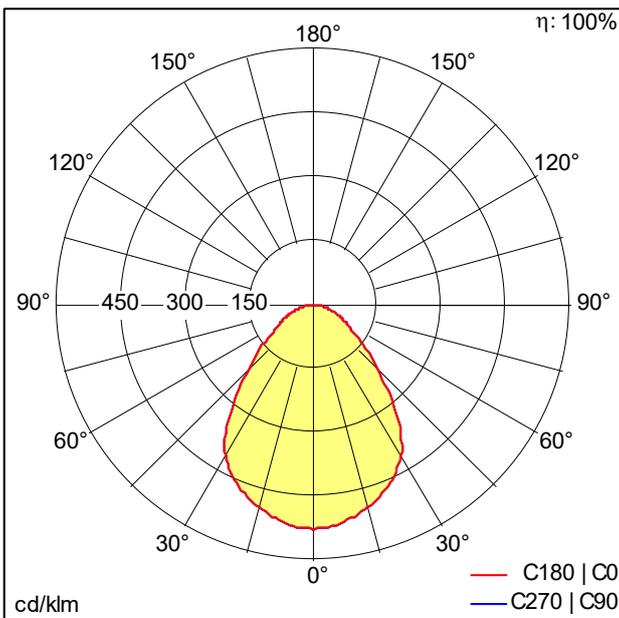
TE_ANNA_F_600_persp.jpg



TE_ANNAVF2_M_Q596.wmf

Light Distribution

STD - standard



TE_ANNA_VF3_Q596_4400_840_FLEX1.idt

- Light Source: LED
- Luminaire luminous flux*: 4400 lm
- Total emergency luminous flux: 490 lm
- Luminaire efficacy*: 126 lm/W
- Colour Rendering Index min.: 80
- Correlated colour temperature*: 3000-4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 4
- Rated median useful life*: L80 50000 h at 25 °C
- Ballast: 1x LED_Con
- Luminaire input power*: 35 W Power factor = 0.9
- Dimming: STEPS dimmable to 70%
- Maintenance category CIE 97: D - Enclosed IP2X
- Total harmonic distortion (THD): 15.00 %

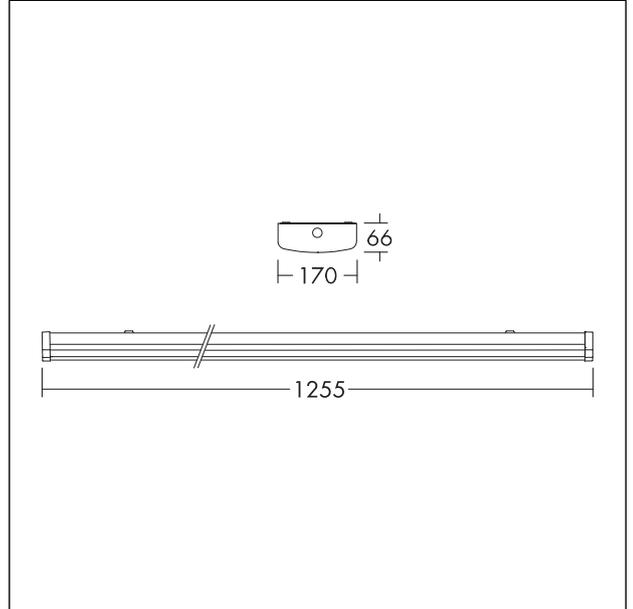
All values marked with an * are rated values. Connected electrical load and luminous flux are subject to an initial tolerance of +/- 10%, the most similar colour temperature is subject to an initial tolerance of +/- 150K. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

IP44 LED Diffuser luminaire

IP44 LED Diffuser luminaire with prismatic optic for indoor applications. Total luminous flux: 4200 lm. Luminaire input power: 29 W. CCT adjustable via switch for 3000K, 3500K or 4000K. Lifetime: 100.000hrs @L70. Chromaticity tolerance (initial MacAdam): 3. Lumen package adjustable on site by 3 steps (FLEX @ 4000K: Flex 1: 4200 lm (29W), Flex 2: 3150 lm (22W), Flex 3: 2100 lm (15W)) - For flex data on other colour temperatures please visit website. Dimensions: 1255 x 170 x 66 mm, weight: 2.25 kg.



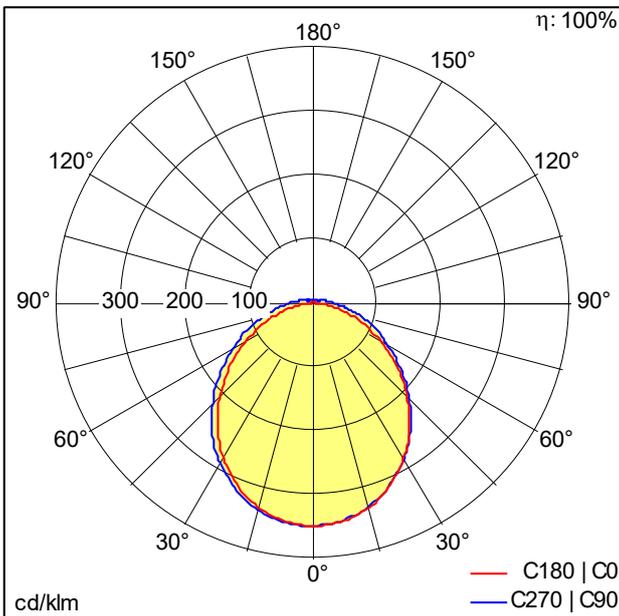
TE_FREJAVARIOFLEX_F_1200_Persp.jpg



TE_FREJAVARIOFLEX_M_M.wmf

Light Distribution

STD - standard



TE_FREJA_VARIOFLEX_1200_4200_840_FLEX1.idt

- Light Source: LED
- Luminaire luminous flux*: 4196 lm
- Luminaire efficacy*: 145 lm/W
- Colour Rendering Index min.: 80
- Correlated colour temperature*: 3000-4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 3
- Rated median useful life*: L70 100000 h at 25 °C
- Ballast: 1x LED_Con
- Luminaire input power*: 29 W Power factor = 0.9
- Dimming: STEPS
- Maintenance category CIE 97: D - Enclosed IP2X
- Total harmonic distortion (THD): 20.00 %

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

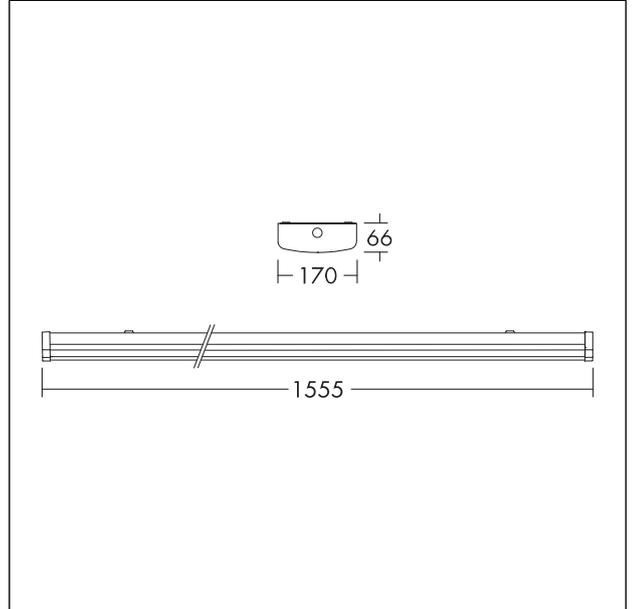
All values marked with an * are rated values. Connected electrical load and luminous flux are subject to an initial tolerance of +/- 10%, the most similar colour temperature is subject to an initial tolerance of +/- 150K. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

IP44 LED Diffuser luminaire

IP44 LED Diffuser luminaire with prismatic optic for indoor applications. Total luminous flux: 7000 lm. Luminaire input power: 47 W. CCT adjustable via switch for 3000K, 3500K or 4000K. Lifetime: 100.000hrs @L70. Chromaticity tolerance (initial MacAdam): 3. Lumen package adjustable on site by 3 steps (FLEX @ 4000K: Flex 1: 7000 lm (47W), Flex 2: 5250 lm (36W), Flex 3: 3500 lm (24W)) - For flex data on other colour temperatures please visit website. Dimensions: 1555 x 170 x 66 mm, weight: 2.75 kg



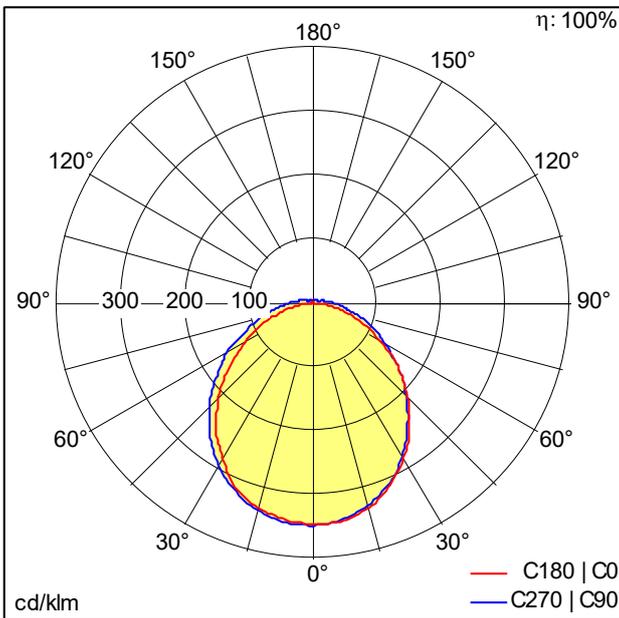
TE_FREJAVARIOFLEX_F_1500_Persp.jpg



TE_FREJAVARIOFLEX_M_L.wmf

Light Distribution

STD - standard



TE_FREJA_VARIOFLEX_1500_7000_840_FLEX1.idt

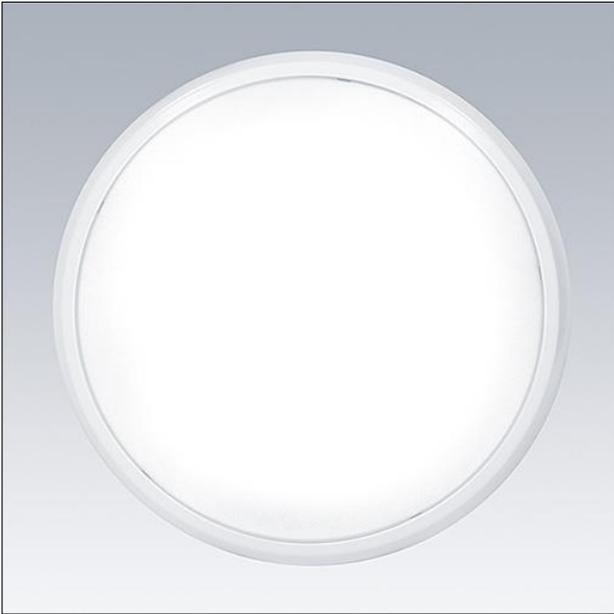
- Light Source: LED
- Luminaire luminous flux*: 6993 lm
- Luminaire efficacy*: 149 lm/W
- Colour Rendering Index min.: 80
- Correlated colour temperature*: 3000-4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 3
- Rated median useful life*: L70 100000 h at 25 °C
- Ballast: 1x LED_Con
- Luminaire input power*: 47 W Power factor = 0.9
- Control: STEPS dimmable to 50%
- Maintenance category CIE 97: D - Enclosed IP2X
- Total harmonic distortion (THD): 20.00 %

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

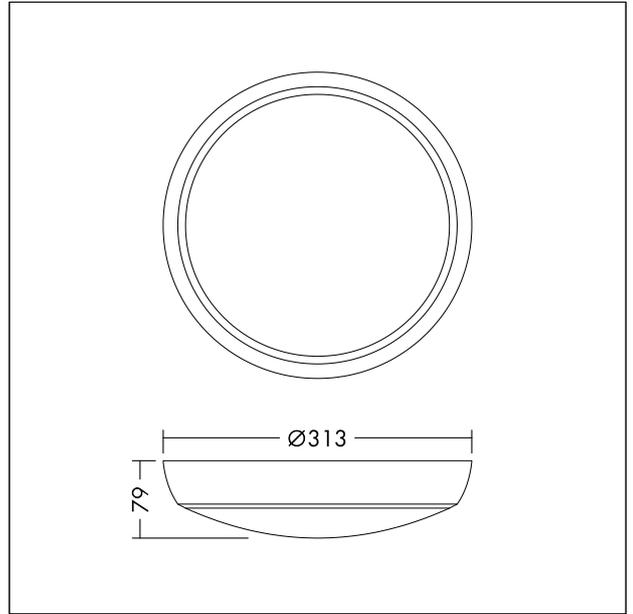
All values marked with an * are rated values. Connected electrical load and luminous flux are subject to an initial tolerance of +/- 10%, the most similar colour temperature is subject to an initial tolerance of +/- 150K. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

Wall-/ceiling luminaire, IP66

Innovative, Wall-/ceiling luminaire, IP66 with opal diffuser for indoor and outdoor applications. Made of high quality UV-resistant, polycarbonate. Unique design with patented, screwless locking mechanism for fast and comfortable installation, whilst maintaining vandal proof security against unauthorized opening access to the driver. Impact strength: IK10. Total luminous flux: 2200 lm, Luminaire input power: 20 W, Lamp efficacy: 110 lm/W, Colour rendering Ra > 80, colour temperature 3000/3500/4000/5700/6500 K adjustable via switch, Lifetime: 50.000h L80, Chromaticity tolerance (initial MacAdam): 5, Body colour: white. Available accessory: Plug&Play Emergency kit for 3 hour (240lm) emergency conversion (self- and manual test). Suitable for conduit, BESA and Nordic installation. Variable flux, Input power adjustable on site by 4 step (FLEX1: 2200 lm (20W), FLEX2: 1800 lm (16W), FLEX3: 1200 lm (11W), FLEX4: 800 lm (7,5W)). Detailed power and CCT setting information available on www.THORNeco.com. Dimensions: Ø313 x 79 mm, weight: 1.2 kg.



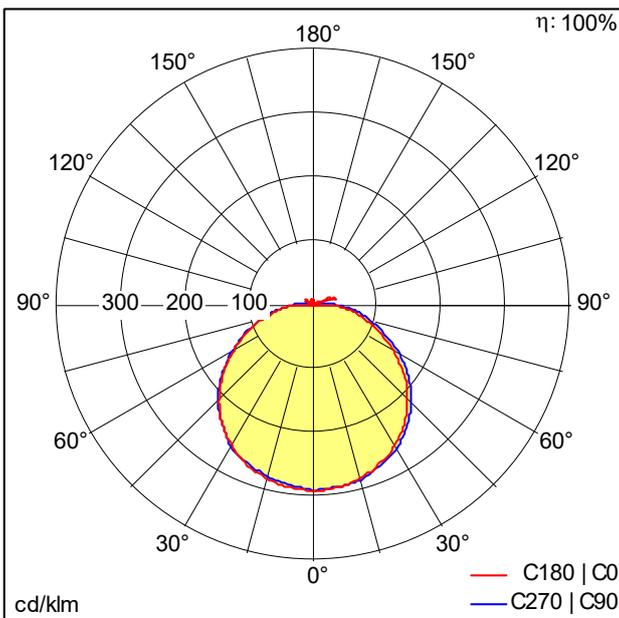
TE_TOMVF_F_LIT_TOP.jpg



TE_TOMVF_M_300.wmf

Light Distribution

STD - standard



TE_TOM_VF_2200_840_FLEX1.Idt

- Light Source: LED
- Luminaire luminous flux*: 2200 lm
- Total emergency luminous flux: 240 lm
- Luminaire efficacy*: 110 lm/W
- Colour Rendering Index min.: 80
- Correlated colour temperature*: 3000-6500 Kelvin
- Chromaticity tolerance (initial MacAdam): 5
- Rated median useful life*: L80 50000 h at 25 °C
- Ballast: 1x LED_Con
- Luminaire input power*: 20 W Power factor = 0.9
- Dimming: STEPS dimmable to 35%
- Maintenance category CIE 97: E - Dust-proof IP5X
- Total harmonic distortion (THD): 20.00 %

All values marked with an * are rated values. Connected electrical load and luminous flux are subject to an initial tolerance of +/- 10%, the most similar colour temperature is subject to an initial tolerance of +/- 150K. Unless stated otherwise, the values apply to an ambient temperature of 25°C.