

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

Luminaire data

TRILUX, E-Line G2 T LED10000-840 (6991940)

Data sheet

Manufacturer: TRILUX

6991940 E-Line E-Line G2 T LED10000-840

LED gear tray for continuous line system E-Line. Compliant to DIN 10500. The luminaires are suitable for applications in IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. For TRILUX E-Line T5N/LED or T8 universal trunking, T5 applications ...35-...(1475 mm), T8 applications ...58-...(1530 mm) with blanking cover L55. Blanking cover available as accessory for length compensation with T8 upgrade applications, to be ordered separately. Mounting to trunking with tool-free stainless steel snap fasteners. The design of the four louvre catches enables visual control of secure clipping in of the gear tray into the trunking. The PMMA lens optic forms a fixed unit each with one LED segment. With symmetric narrow light distribution. Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface makes cleaning the luminaire easier. Luminaire luminous flux 10400 lm, connected load 74 W, luminous efficiency of luminaire 141 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life L80(tq 35 °C) = 70,000 h, service life L85(tq 35 °C) = 50,000 h. Gear tray of sheet steel, Permissible ambient temperature (ta): -25 °C - +35 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK06/1 J, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With electronic transformer, switchable. Gear tray in combination with accessory 07650...IP54 is suitable for applications requiring IP54 protection rating and IK06. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

Luminaire data

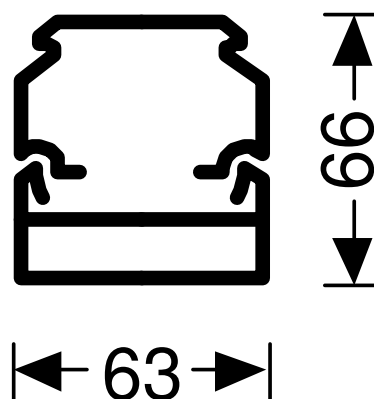
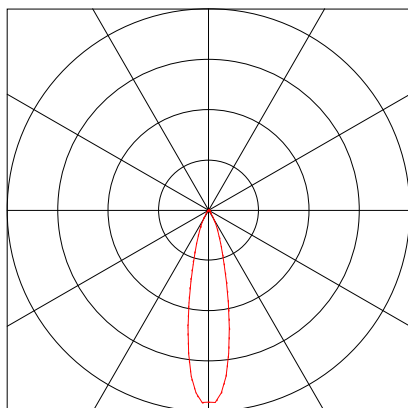
Absolute Photometry

Luminaire efficacy : 140.26 lm/W
Classification : A80 98.5% ↑1.5%
CIE Flux Codes : 92 97 99 98 100
UGR 4H 8H : 15.4 / 14.7
Control gear : with electronic transformer
Power : 74 W
Luminous flux : 10379 lm

Equipped with

Quantity : 1
Designation :
Colour : 4000K
Colour reproduction : 80

Dimensions : 1475 mm x 65 mm x 65 mm



Luminaire data

TRILUX, E-Line G2 T LED10000-8... (6991940, /../.....)

Data sheet

Manufacturer: TRILUX

6991940, /../LV Tp IP54, TA../35 IP54, M-E-R IP54, KD IP54 E-Line E-Line G2 T LED10000-840 IP54 7650 G2 T LED10000-840 ET (TOC 6991940)

LED gear tray for continuous line system E-Line. Compliant to DIN 10500. The luminaires are suitable for applications in IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. For TRILUX E-Line T5N/LED or T8 universal trunking, T5 applications ...35-...(1475 mm), T8 applications ...58-...(1530 mm) with blanking cover L55. Blanking cover available as accessory for length compensation with T8 upgrade applications, to be ordered separately. Mounting to trunking with tool-free stainless steel snap fasteners. The design of the four louvre catches enables visual control of secure clipping in of the gear tray into the trunking. The PMMA lens optic forms a fixed unit each with one LED segment. With symmetric narrow light distribution. Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface makes cleaning the luminaire easier. Luminaire luminous flux 10400 lm, connected load 74 W, luminous efficiency of luminaire 141 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life L80(tq 35 °C) = 70,000 h, service life L85(tq 35 °C) = 50,000 h. Gear tray of sheet steel, Permissible ambient temperature (ta): -25 °C - +35 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK06/1 J, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With electronic transformer, switchable. Gear tray in combination with accessory 07650...IP54 is suitable for applications requiring IP54 protection rating and IK06. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

07650/I/35-5LV/E-2,5 Tp 07 IP54 (TOC 6758500)

E-Line trunking for LED single luminaires or LED continuous line applications with IP54 protection rating. Of silver-grey anodised aluminium. 1-length version for 1 gear tray. Trunking dimensions (LxWxH): 1507 mm x 88 mm x 43 mm. With 5-conductor through-wiring. With 5-pole plug/socket pair for rapid electrical connection and termination at ends with protection against accidental contact. With 5-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/II/35-5LV-2,5 Tp 07 IP54 (TOC 6758700)

E-Line trunking for LED continuous line applications with IP54 protection Rating. Of silver-grey anodised aluminium. 2-length version for 2 gear trays. Trunking dimensions (LxWxH): 2982 mm x 88 mm x 43 mm. With 5-conductor through-wiring. With 5-pole plug/socket pair for rapid electrical connection and termination at ends with protection against accidental contact. With 5-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/III/35-5LV-2,5 Tp 07 IP54 (TOC 6758900)

E-Line trunking for LED continuous line applications with IP54 protection Rating. Of silver-grey anodised aluminium. 3-length version for 3 gear trays. Trunking dimensions (LxWxH): Trunking dimensions (LxWxH): 4457 mm x 88 mm x 43 mm. With 5-conductor through-wiring. With 5-pole plug/socket pair for rapid electrical connection and termination at ends with protection against accidental contact. With 5-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/I/35-7LV/E-2,5 Tp 07 IP54 (TOC 6759100)

E-Line trunking for LED single luminaires or LED continuous line applications with IP54 protection rating. Of silver-grey anodised aluminium. 1-length version for 1 gear tray. Trunking dimensions (LxWxH): 1507 mm x 88 mm x 43 mm. With 7-conductor through-wiring. With 7-pole plug/socket pair for rapid electrical connection and termination at ends with protection against accidental contact. With 7-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/II/35-7LV-2,5 Tp 07 IP54 (TOC 6759300)

E-Line trunking for LED continuous line applications with IP54 protection Rating. Of silver-grey anodised aluminium. 2-length version for 2 gear trays. Trunking dimensions (LxWxH): 2982 mm x 88 mm x 43 mm. With 7-conductor through-wiring. With 7-pole plug/socket pair for rapid electrical connection and termination at ends

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TRILUX, E-Line G2 T LED10000-8... (6991940, /../.....)

Data sheet

with protection against accidental contact. With 7-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/III/35-7LV-2,5 Tp 07 IP54 (TOC 6759500)

E-Line trunking for LED continuous line applications with IP54 protection Rating. Of silver-grey anodised aluminium. 3-length version for 3 gear trays. Trunking dimensions (LxWxH): Trunking dimensions (LxWxH): 4457 mm x 88 mm x 43 mm. With 7-conductor through-wiring. With 7-pole plug/socket pair for rapid electrical connection and termination at ends with protection against accidental contact. With 7-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/I/35-7LV+5LV/E-2,5 Tp 07 IP54 (TOC 6759700)

E-Line trunking for LED single luminaires or LED continuous line applications with IP54 protection rating. Of silver-grey anodised aluminium. 1-length version for 1 gear tray. Trunking dimensions (LxWxH): 1507 mm x 88 mm x 43 mm. With 7-core through-wiring for segmenting circuits and supplementary 5-core through-wiring for additional emergency light or light management uses. With 7-pole and additional 5-pole plug/socket pair for rapid electrical connection and termination at ends with protection against accidental contact. With 7-pole female connector for each length unit for rapid electrical connection of gear trays.

07650/II/35-7LV+5LV-2,5 Tp 07 IP54 (TOC 6759900)

E-Line trunking for LED continuous line applications with IP54 pro

Luminaire data

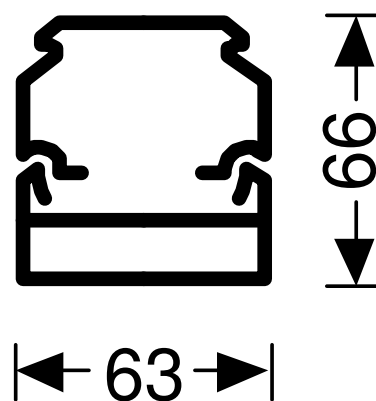
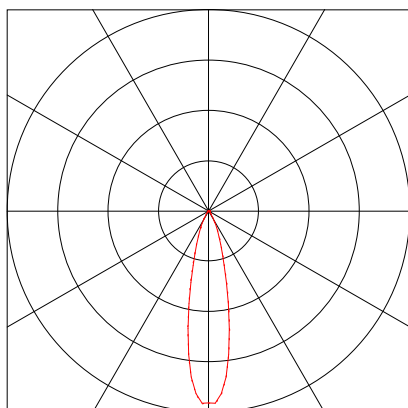
Absolute Photometry

Luminaire efficacy : 133.51 lm/W
Classification : A80 98.5% ↑ 1.5%
CIE Flux Codes : 92 97 99 98 100
UGR 4H 8H : 13.5 / 13.1
Control gear : with electronic transformer
Power : 74 W
Luminous flux : 9880 lm

Equipped with

Quantity : 1
Designation :
Colour : 4000K
Colour reproduction : 80

Dimensions : 1500 mm x 88 mm x 70 mm



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Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

Luminaire data

TRILUX, E-Line G2 MT LED20000-865 (6839040)

Data sheet

Manufacturer: TRILUX

6839040 E-Line E-Line G2 MT LED20000-865

LED gear tray for continuous line system E-Line. Compliant to DIN 10500. The luminaires are suitable for applications in IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. For TRILUX E-Line T5N/LED or T8 universal trunking, T5 applications ...35-...(1475 mm), T8 applications ...58-...(1530 mm) with blanking cover L55. Blanking cover available as accessory for length compensation with T8 upgrade applications, to be ordered separately. Mounting to trunking with tool-free stainless steel snap fasteners. The design of the four louvre catches enables visual control of secure clipping in of the gear tray into the trunking. The PMMA lens optic forms a fixed unit each with one LED segment. With symmetric medium-narrow light distribution. Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface makes cleaning the luminaire easier. LED system consists of 2 rows each with 5 LED segments. Each segment has 33 Mid Power LEDs in 3 rows, each configured with 11 LEDs. Luminaire luminous flux 20100 lm, connected load 158 W, luminous efficiency of luminaire 127 lm/W. Light colour daylight white, colour temperature 6500 K, colour rendering index Ra > 80. Service life L80(tq 35 °C) = 70,000 h, service life L85(tq 35 °C) = 50,000 h. Gear tray of aluminium, Colour white. Dimensions (L x W): 1475 mm x 127 mm, luminaire height 68 mm. Permissible ambient temperature (ta): -25 °C - +35 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK06/1 J, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With electronic transformer, switchable. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

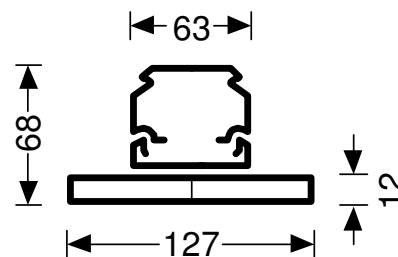
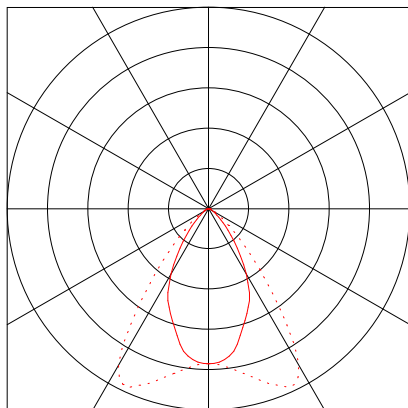
Luminaire data

Absolute Photometry
Luminaire efficacy : 127.17 lm/W
Classification : A60 99.7% ↑0.3%
CIE Flux Codes : 82 97 100 100 100
UGR 4H 8H : 17.8 / 21.2
Control gear : with electronic transformer
Power : 158 W
Luminous flux : 20092.2 lm

Equipped with

Quantity : 1
Designation :
Colour : 6500K
Colour reproduction : 80

Dimensions : 1475 mm x 127 mm x 65 mm



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Luminaire data

TRILUX, E-Line MT LED8000-840 (6752040)

Data sheet

Manufacturer: TRILUX

6752040 E-Line E-Line MT LED8000-840

LED gear tray for continuous line system E-Line. Compliant to DIN 10500. The luminaires are suitable for applications in IFS Version 6 and/or BRC Global Standard Food Version 7-certified companies in the food and beverage industries. For TRILUX E-Line T5N/LED or T8 universal trunking, T5 applications ...35-...(1475 mm), T8 applications ...58-...(1530 mm) with blanking cover L55. Blanking cover available as accessory for length compensation with T8 upgrade applications, to be ordered separately. Mounting to trunking with tool-free stainless steel snap fasteners. The design of the four louvre catches enables visual control of secure clipping in of the gear tray into the trunking. The PMMA lens optic forms a fixed unit each with one LED segment. With symmetric medium-narrow light distribution. Surface of lens optic is flat for uniform light distribution and homogeneous illumination of light emission aperture. The flat surface makes cleaning the luminaire easier. Luminaire luminous flux 8300 lm, connected load 53 W, luminous efficiency of luminaire 157 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life L80(tq 35 °C) = 70,000 h, service life L85(tq 35 °C) = 50,000 h. Gear tray of sheet steel, Colour white. Permissible ambient temperature (ta): -25 °C - +35 °C. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK06/1 J, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Self-actuating electrical connection via plug contacts with phase selection. Phase selection is without use of tools. With electronic transformer, switchable. Gear tray in combination with accessory 07650...IP54 is suitable for applications requiring IP54 protection rating and IK06. The luminaire complies with fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.

Luminaire data

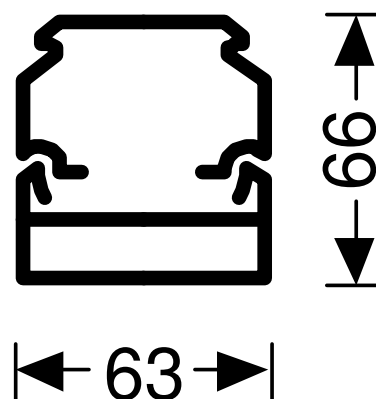
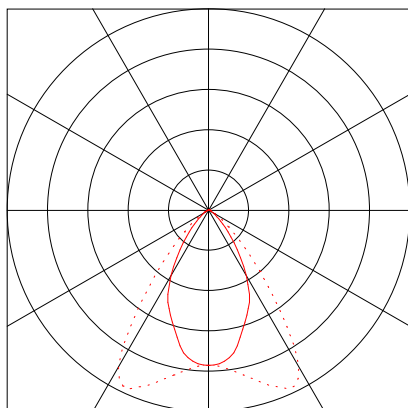
Absolute Photometry

Luminaire efficacy : 156.54 lm/W
Classification : A60 99.7% ↑0.3%
CIE Flux Codes : 82 97 100 100 100
UGR 4H 8H : 16.7 / 20.4
Control gear : with electronic transformer
Power : 53 W
Luminous flux : 8296.8 lm

Equipped with

Quantity : 1
Designation :
Colour : 4000K
Colour reproduction : 80

Dimensions : 1475 mm x 65 mm x 65 mm



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Luminaire data

TRILUX, TOC 6815440 (Olexeon 1200 B 4000-840 ET)

Data sheet

Manufacturer: TRILUX



Olexeon 1200 B 4000-840 ET TOC 6815440

Olexeon 1200 B 4000-840 ET (TOC 6815440) "LED weather-proof surface-mounted luminaire IP66. For ceiling, wall and suspended mounting. Suspended mounting possible via optional accessories. Mounting with stainless steel fixing clamps (included). With symmetric wide light intensity distribution. Luminaire luminous flux 4000 lm, connected load 36 W, luminous efficiency of luminaire 111 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index $R_a \geq 80$. Service life $L_{80}(t_{50\%} > 25^\circ\text{C}) = 35,000$ h, service life $L_{70}(t_{50\%} > 25^\circ\text{C}) = 50,000$ h. Luminaire body of glass fibre-reinforced polyester, similar to RAL 7035 light grey. Diffuser of PMMA. Dimensions (L x W): 1200 mm x 88 mm, luminaire height 77 mm. Permissible ambient temperature (t_a): $-20^\circ\text{C} - +35^\circ\text{C}$. Safety class I, protection rating IP66, impact resistance IK04/0,5 J, heat resistance 650°C . Rapid-mount luminaire with Wieland rapid plug system. 3-pole-version for switchable luminaires. Connection socket at one head side. With electronic transformer, switchable."

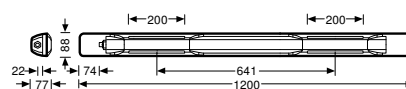
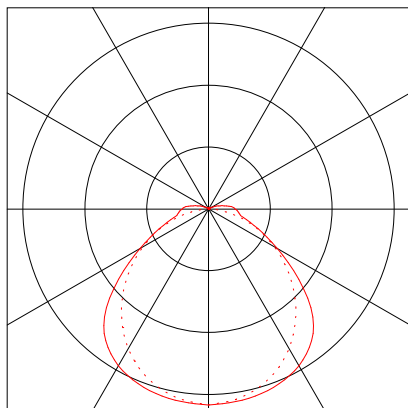
Luminaire data

Luminaire efficiency	: 99.9843%
Luminaire efficacy	: 111.09 lm/W
Classification	: A41 95.7% \uparrow 4.3%
CIE Flux Codes	: 46 78 93 96 100
UGR 4H 8H	: 23.4 / 23.3
Power	: 36 W
Luminous flux	: 3999.4 lm

Equipped with

Quantity	: 1
Designation	: LED
Power	: 36 W
Colour	: 3000-6
Luminous flux	: 4000 lm
Colour reproduction	: 80

Dimensions : 1200 mm x 88 mm x 77 mm



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

Luminaire data

TRILUX, TOC 6816240 (Olexeon 1500 B 4000-840 +LV ET)

Data sheet

Manufacturer: TRILUX



Olexeon 1500 B 4000-840 +LV ET TOC 6816240

Olexeon 1500 B 4000-840 ET +LV (TOC 6816240)
"LED weather-proof surface-mounted luminaire IP66. For ceiling, wall and suspended mounting. Suspended mounting possible via optional accessories. Mounting with stainless steel fixing clamps (included). With symmetric wide light intensity distribution. Luminaire luminous flux 3800 lm, connected load 31 W, luminous efficiency of luminaire 123 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index $R_a \geq 80$. Service life $L_{80}(t_{_q 25\text{ }^{\circ}\text{C}) = 35,000\text{ h}$, service life $L_{70}(t_{_q 25\text{ }^{\circ}\text{C}) = 50,000\text{ h}$. Luminaire body of glass fibre-reinforced polyester, similar to RAL 7035 light grey. Diffuser of PMMA. Dimensions (L x W): 1500 mm x 88 mm, luminaire height 77 mm. Permissible ambient temperature (t_a): $-20\text{ }^{\circ}\text{C} - +35\text{ }^{\circ}\text{C}$. Safety class I, protection rating IP66, impact resistance IK04/0,5 J, heat resistance $650\text{ }^{\circ}\text{C}$. Rapid-mount luminaire with Wieland rapid plug system. 3-pole-version for switchable luminaires. Connection sockets at both head ends. With electronic transformer, switchable. With through-wiring $3 \times 1,5\text{ mm}^{²}$."

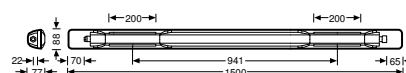
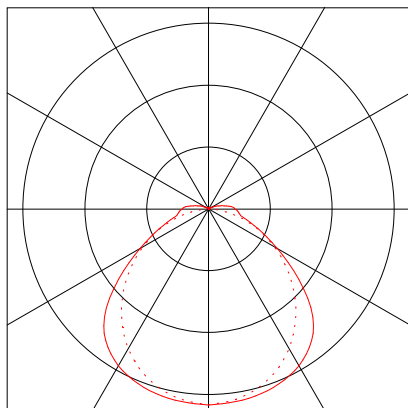
Luminaire data

Luminaire efficiency	: 99.9843%
Luminaire efficacy	: 122.56 lm/W
Classification	: A41 95.7% \uparrow 4.3%
CIE Flux Codes	: 46 78 93 96 100
UGR 4H 8H	: 22.5 / 22.4
Power	: 31 W
Luminous flux	: 3799.4 lm

Equipped with

Quantity	: 1
Designation	: LED
Power	: 31 W
Colour	: 3000K
Luminous flux	: 3800 lm
Colour reproduction	: 80

Dimensions : 1500 mm x 88 mm x 77 mm



Object : VATP-7
Installation : Apgaismojums
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Luminaire data

TRILUX, TOC 6815640 (Olexeon 1500 B 4000-840 ET)

Data sheet

Manufacturer: TRILUX



Olexeon 1500 B 4000-840 ET TOC 6815640

Olexeon 1500 B 4000-840 ET (TOC 6815640)
"LED weather-proof surface-mounted luminaire IP66. For ceiling, wall and suspended mounting. Suspended mounting possible via optional accessories. Mounting with stainless steel fixing clamps (included). With symmetric wide light intensity distribution. Luminaire luminous flux 3800 lm, connected load 31 W, luminous efficiency of luminaire 123 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index $R_a \geq 80$. Service life $L_{80}(t_{_q 25\text{ }^{\circ}\text{C}) = 35,000\text{ h}$, service life $L_{70}(t_{_q 25\text{ }^{\circ}\text{C}) = 50,000\text{ h}$. Luminaire body of glass fibre-reinforced polyester, similar to RAL 7035 light grey. Diffuser of PMMA. Dimensions (L x W): 1500 mm x 88 mm, luminaire height 77 mm. Permissible ambient temperature (t_a): $-20\text{ }^{\circ}\text{C} - +35\text{ }^{\circ}\text{C}$. Safety class I, protection rating IP66, impact resistance IK04/0,5 J, heat resistance $650\text{ }^{\circ}\text{C}$. Rapid-mount luminaire with Wieland rapid plug system. 3-pole-version for switchable luminaires. Connection socket at one head side. With electronic transformer, switchable."

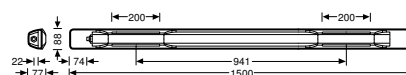
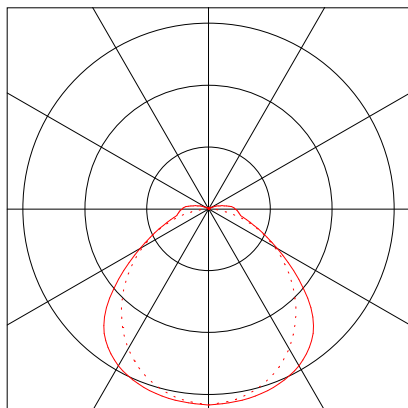
Luminaire data

Luminaire efficiency	: 99.9843%
Luminaire efficacy	: 122.56 lm/W
Classification	: A41 95.7% \uparrow 4.3%
CIE Flux Codes	: 46 78 93 96 100
UGR 4H 8H	: 22.5 / 22.4
Power	: 31 W
Luminous flux	: 3799.4 lm

Equipped with

Quantity	: 1
Designation	: LED
Power	: 31 W
Colour	: 3000K
Luminous flux	: 3800 lm
Colour reproduction	: 80

Dimensions : 1500 mm x 88 mm x 77 mm



Object : VATP-7
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Luminaire data

TRILUX, TOC 6815240 (Olexeon 1500 B 6000-840 ET)

Data sheet

Manufacturer: TRILUX



Olexeon 1500 B 6000-840 ET TOC 6815240

Olexeon 1500 B 6000-840 ET (TOC 6815240)
"LED weather-proof surface-mounted luminaire IP66. For ceiling, wall and suspended mounting. Suspended mounting possible via optional accessories. Mounting with stainless steel fixing clamps (included). With symmetric wide light intensity distribution. Luminaire luminous flux 5700 lm, connected load 53 W, luminous efficiency of luminaire 108 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life L80(t_q 25 °C) = 35,000 h, service life L70(t_q 25 °C) = 50,000 h. Luminaire body of glass fibre-reinforced polyester, similar to RAL 7035 light grey. Diffuser of PMMA. Dimensions (L x W): 1500 mm x 88 mm, luminaire height 77 mm. Permissible ambient temperature (ta): -20 °C - +35 °C. Safety class I, protection rating IP66, impact resistance IK04/0,5 J, heat resistance 650 °C. Rapid-mount luminaire with Wieland rapid plug system. 3-pole-version for switchable luminaires. Connection socket at one head side. With electronic transformer, switchable."

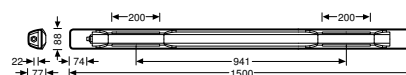
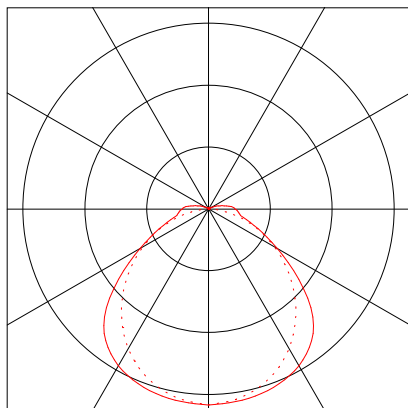
Luminaire data

Luminaire efficiency	: 99.9843%
Luminaire efficacy	: 107.53 lm/W
Classification	: A41 95.7% ↑ 4.3%
CIE Flux Codes	: 46 78 93 96 100
UGR 4H 8H	: 23.9 / 23.8
Power	: 53 W
Luminous flux	: 5699.1 lm

Equipped with

Quantity	: 1
Designation	: LED
Power	: 53 W
Colour	: 4000K
Luminous flux	: 5700 lm
Colour reproduction	: 80

Dimensions : 1500 mm x 88 mm x 77 mm



Object : VATP-7
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Luminaire data

TRILUX, TOC 6574940 (Ondo T LED 20000-840 03 ET)

Data sheet

Manufacturer: TRILUX



Ondo T LED 20000-840 03 ET Suspended mounting TOC 6574940

Ondo T LED 20000-840 ET 03 (TOC 6574940) "Round wide-area LED high bay luminaire for suspended mounting. For suspended mounting as single luminaire. Single point suspension to centrally integrated fixing hooks. Optical system with PC lens optic. Each LED module has own optical unit. Optimised luminance contrasts due to homogeneous, light-scattering diffuser panel. With rotationally symmetric narrow light distribution. Luminaire luminous flux 19700 lm, connected load 184 W, luminous efficiency of luminaire 107 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life $L_{50}(t_{50} < q < t_{70}) > 25\text{ }^{\circ}\text{C}) = 50,000\text{ h}$, service life $L_{70}(t_{70} < q < t_{80}) > 25\text{ }^{\circ}\text{C}) = 60,000\text{ h}$. Robust die-cast housing with integrated cooling ribs, Colour silver. Permissible ambient temperature (ta): -25 °C - +35 °C. Safety class I, protection rating IP65, impact resistance IK08/6 J, heat resistance 850 °C. Mains connection is achieved via a 3-pole connection cable. With electronic transformer, switchable. "

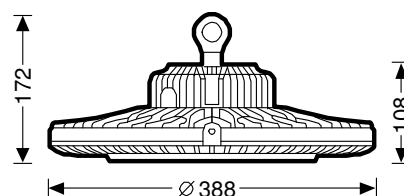
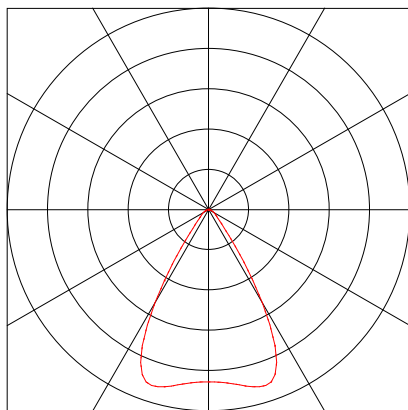
Luminaire data

Luminaire efficiency	: 99.9564%
Luminaire efficacy	: 107.02 lm/W
Classification	: A70 99.9% ↑ 0.1%
CIE Flux Codes	: 88 96 99 100 100
UGR 4H 8H	: 25.1 / 25.1
Power	: 184 W
Luminous flux	: 19691.4 lm

Equipped with

Quantity	: 1
Designation	: LED
Power	: 184 W
Colour	: 4000K
Luminous flux	: 19700 lm
Colour reproduction	: 80

Dimensions : Ø388 mm x 172 mm



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

Luminaire data

TRILUX, TOC 6334940... (PolaronIQ H2D LED2000-840 ...)

Data sheet

Manufacturer: TRILUX



PolaronIQ H2D LED2000-840 2,0m ET Suspended mounting TOC 6334940

PolaronIQ H2D LED2000-840 ET 2,0m (TOC 6334940)
Decorative suspended LED luminaire, With ring-shaped light element. With direct light distribution. For suspended mounting as single luminaire. Suspension length consists of 2,0m and is individually settable on-site. With direct light distribution. Luminaire luminous flux 2000 lm, connected load 17 W, luminous efficiency of luminaire 118 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life $L_{80}(t_{q < 25\text{ °C}}) = 70,000\text{ h}$, service life $L_{85}(t_{q < 25\text{ °C}}) = 50,000\text{ h}$. Luminaire diameter Ø 403 mm, luminaire height 50 mm. Permissible ambient temperature (ta): -20 °C - +25 °C. Safety class I, protection rating IP40, impact resistance IK02/0,2 J, heat resistance 650 °C. With electronic transformer, switchable.

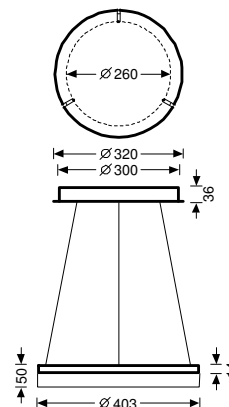
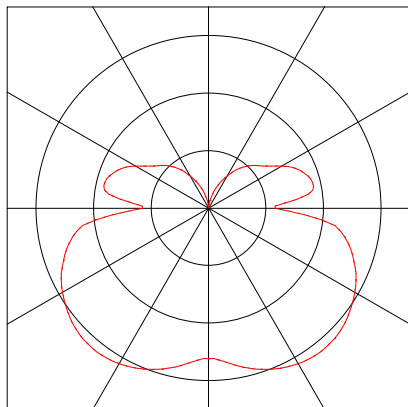
Luminaire data

Luminaire efficiency : 99.9939%
Luminaire efficacy : 117.64 lm/W
Classification : B21 68.2% ↑31.8%
CIE Flux Codes : 28 56 82 68 100
UGR 4H 8H : 21.9 / 21.9
Power : 17 W
Luminous flux : 1999.9 lm

Equipped with

Quantity : 1
Designation : LED
Power : 17 W
Colour : 4000K
Luminous flux : 2000 lm
Colour reproduction : 80

Dimensions : Ø400 mm x 68 mm



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

Luminaire data

TRILUX, TOC 6367251... (LateraloR H1 BLGS 6000-840...)

Data sheet

Manufacturer: TRILUX



LateraloR H1 BLGS 6000-840 01 ETDD Suspended mounting TOC 6367251

LateraloR H1 BLGS 6000-840 ETDD 01 (TOC 6367251)
Exclusive round LED suspended luminaire with direct and indirect luminous flux component. For innovative and prestigious office lighting. For suspended mounting as single luminaire, Suspension length consists of 400-1750 mm. With Binary Light Guide System (BLGS). Optical system consisting of two fine-prismatic PMMA covers for light emission, one above the other. With direct-indirect light distribution. Indirect component with extremely wide distribution. LED system with lateral entry of light in the Binary Light Guide System. Luminaire luminous flux 6000 lm, connected load 50 W, luminous efficiency of luminaire 120 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 80. Service life $L_{80}(t_{q < 25\text{ °C}}) = 70,000\text{ h}$, service life $L_{85}(t_{q < 25\text{ °C}}) = 50,000\text{ h}$. Luminaire body of diecast aluminium, white, powder-coated. Permissible ambient temperature (ta): -20 °C - +25 °C. Safety class I, protection rating IP20, impact resistance IK02/0,2 J, heat resistance 650 °C. No separate cable is required for luminaire power supply. Power supply via the wire suspensions. Wire suspension included in the scope of supply. With electronic transformer, digitally dimmable (DALI). Ballast and connection elements are located outside the luminaire body in the ceiling connection unit. White ceiling rose included in scope of supply.

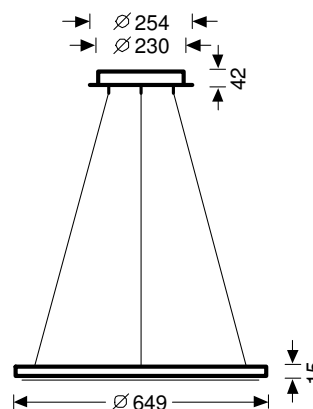
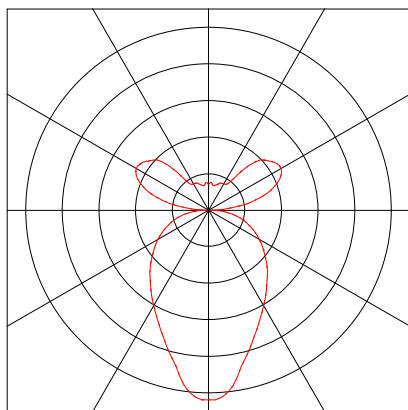
Luminaire data

Luminaire efficiency : 99.9846%
Luminaire efficacy : 119.98 lm/W
Classification : C42 54.9% ↑45.1%
CIE Flux Codes : 47 75 93 55 100
UGR 4H 8H : 18.7 / 18.7
Power : 50 W
Luminous flux : 5999.1 lm

Equipped with

Quantity : 1
Designation : LED
Power : 50 W
Colour : 4000K
Luminous flux : 6000 lm
Colour reproduction : 80

Dimensions : Ø650 mm x 20 mm

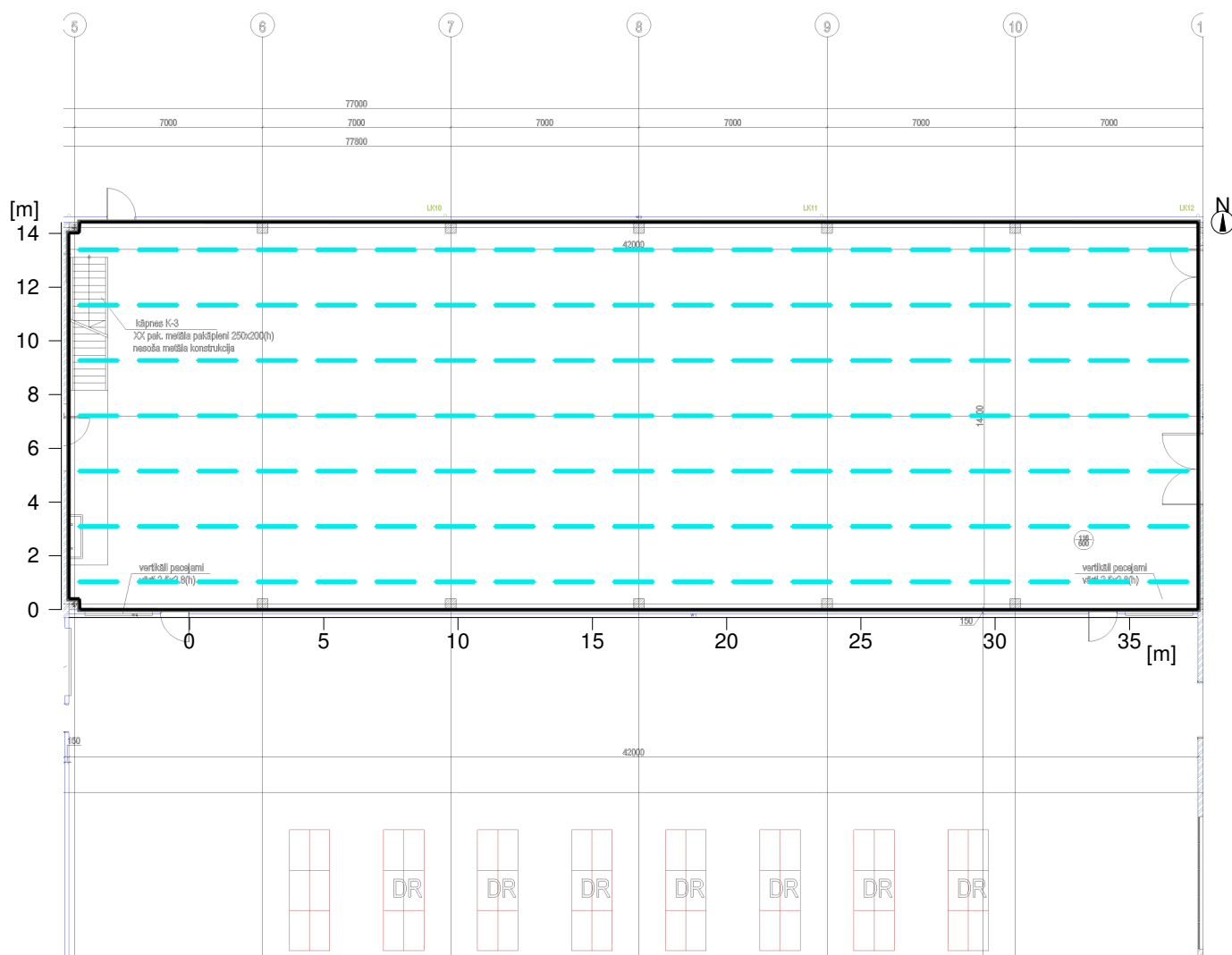


Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 116

Floor plan



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 116

Floor plan

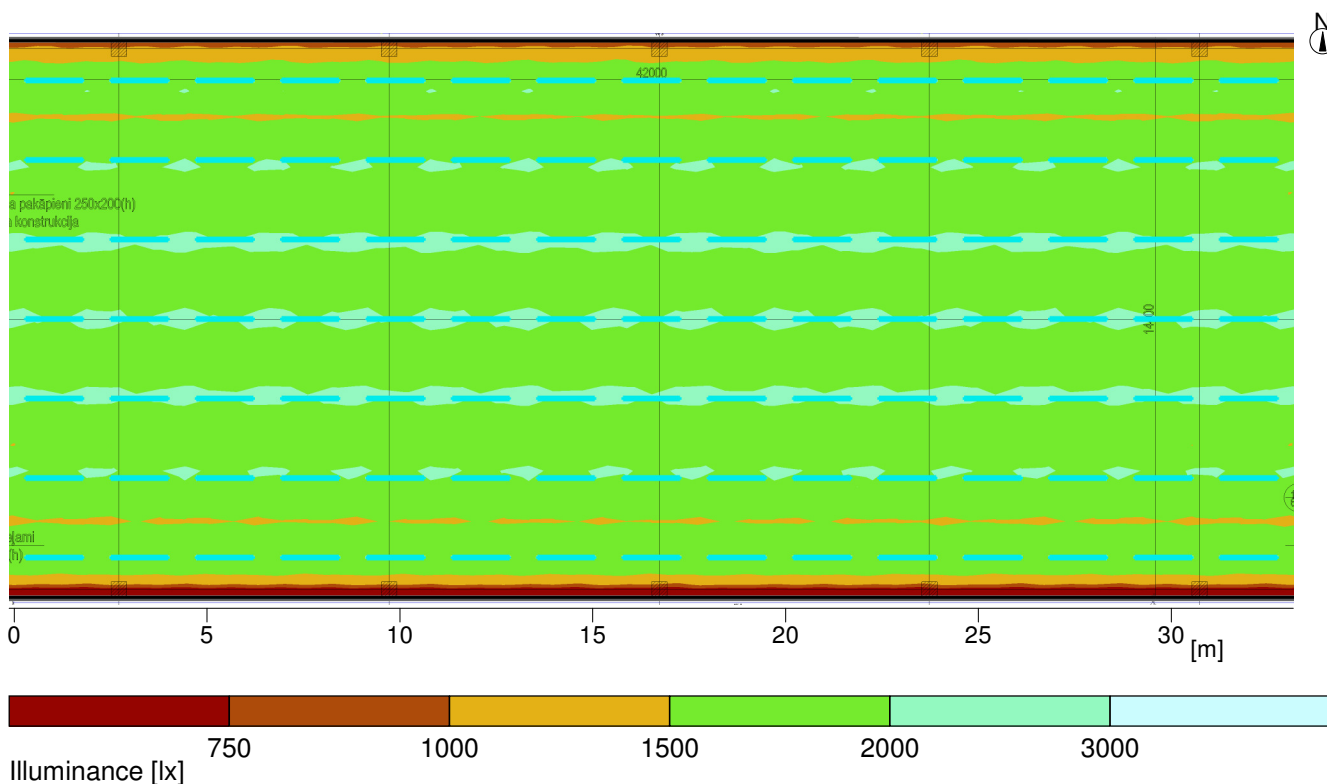
Wall	x	y	Length	Reflectance
1	87.62 m	56.54 m	37.52 m	50.0 %
2	87.62 m	70.94 m	14.40 m	50.0 %
3	46.02 m	70.95 m	41.59 m	50.0 %
4	46.00 m	70.55 m	0.40 m	50.0 %
5	45.62 m	70.54 m	0.39 m	50.0 %
6	45.63 m	56.94 m	13.60 m	50.0 %
7	46.01 m	56.94 m	0.39 m	50.0 %
8	46.03 m	56.55 m	0.40 m	50.0 %
9	50.10 m	56.54 m	4.07 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		10.00 m		
Height of reference plane		0.75 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 116

Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	3.00 m
Maintenance factor	0.70
Total luminous flux of all lamps	1330000 lm
Total power	9842.0 W
Total power per area (604.57 m²)	16.28 W/m² (1.03 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: Industrial activities and crafts - Electrical and electronic industry
5.11.6 (EN 12464-1, 8.2011) Electronic workshops, testing, adjusting (Ra >80.00)

	Horizontal	
Em	1580 lx	(>= 1500 lx)
Emin	1120 lx	
Emin/Eav (Uo)	0.71	(>= 0.70)
Emin/Emax (Ud)	0.53	
UGR (12.0H 8.0H)	<=20.8	(< 16.00)
Position	0.75 m	

Type No.\Make

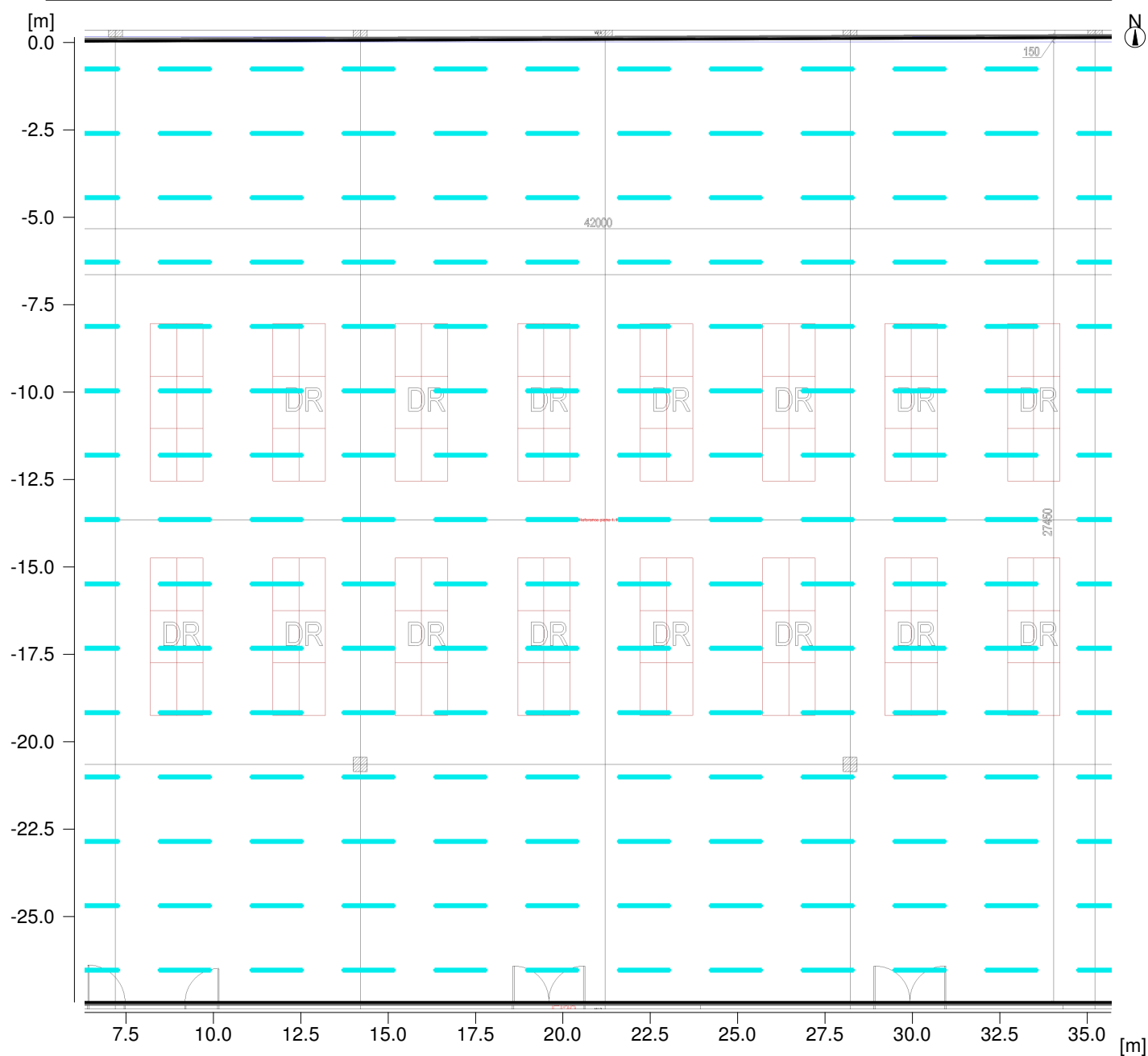
6	133	TRILUX	
		Order No.	: 6991440
		Luminaire name	: E-Line G2 MT LED10000-840
		Equipment	: 1 x 74 W / 10000 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 117

Floor plan



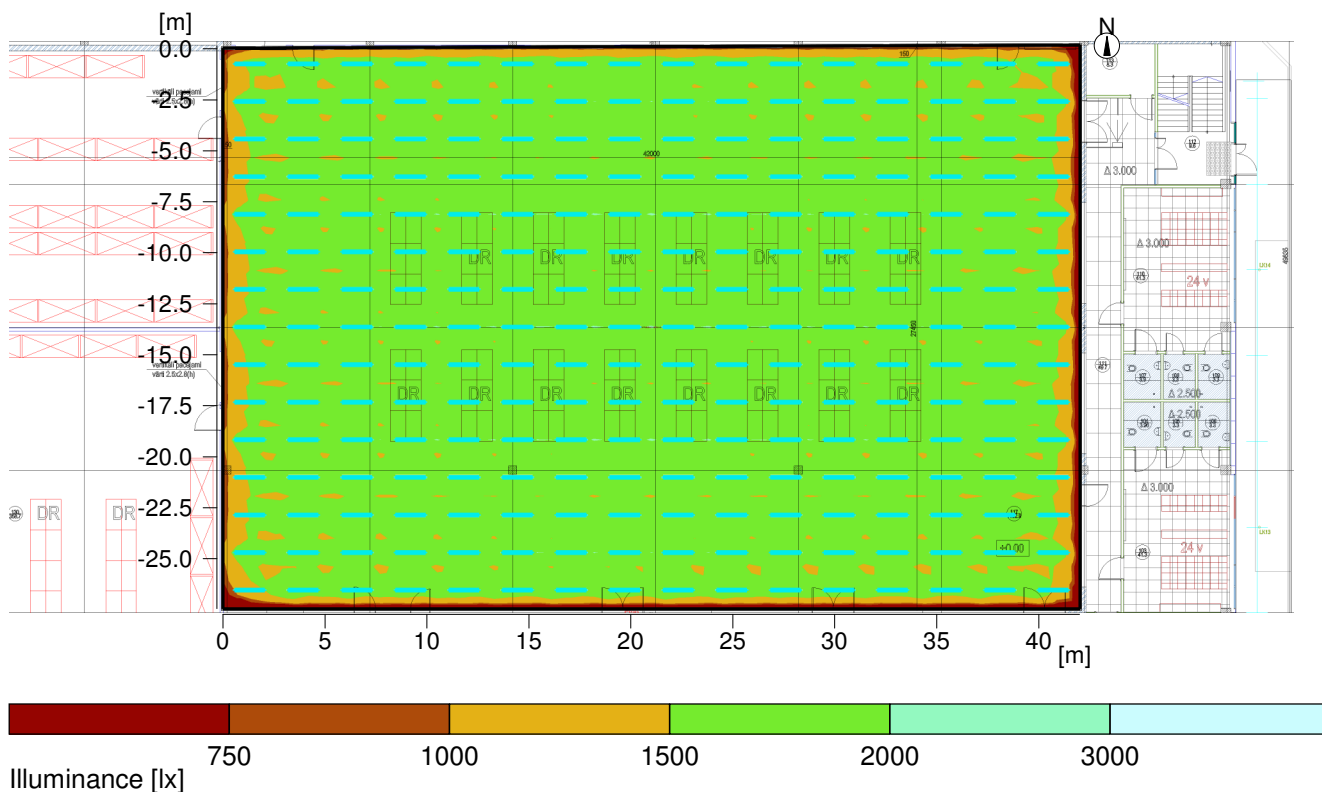
Wall	x	y	Length	Reflectance
1	45.62 m	28.94 m	27.45 m	50.0 %
2	87.62 m	28.94 m	42.00 m	50.0 %
3	87.62 m	56.54 m	27.60 m	50.0 %
4	45.62 m	56.39 m	42.00 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		10.00 m		
Height of reference plane		0.75 m		

Object : VATP-7
 Installation : Apgaismojums
 Project number : 1
 Date : 18.01.2018

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Summary, 117

Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	3.00 m
Maintenance factor	0.70
Total luminous flux of all lamps	2400000 lm
Total power	17760.0 W
Total power per area (1156.05 m²)	15.36 W/m² (1.01 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: Industrial activities and crafts - Electrical and electronic industry
 5.11.6 (EN 12464-1, 8.2011) Electronic workshops, testing, adjusting (Ra >80.00)

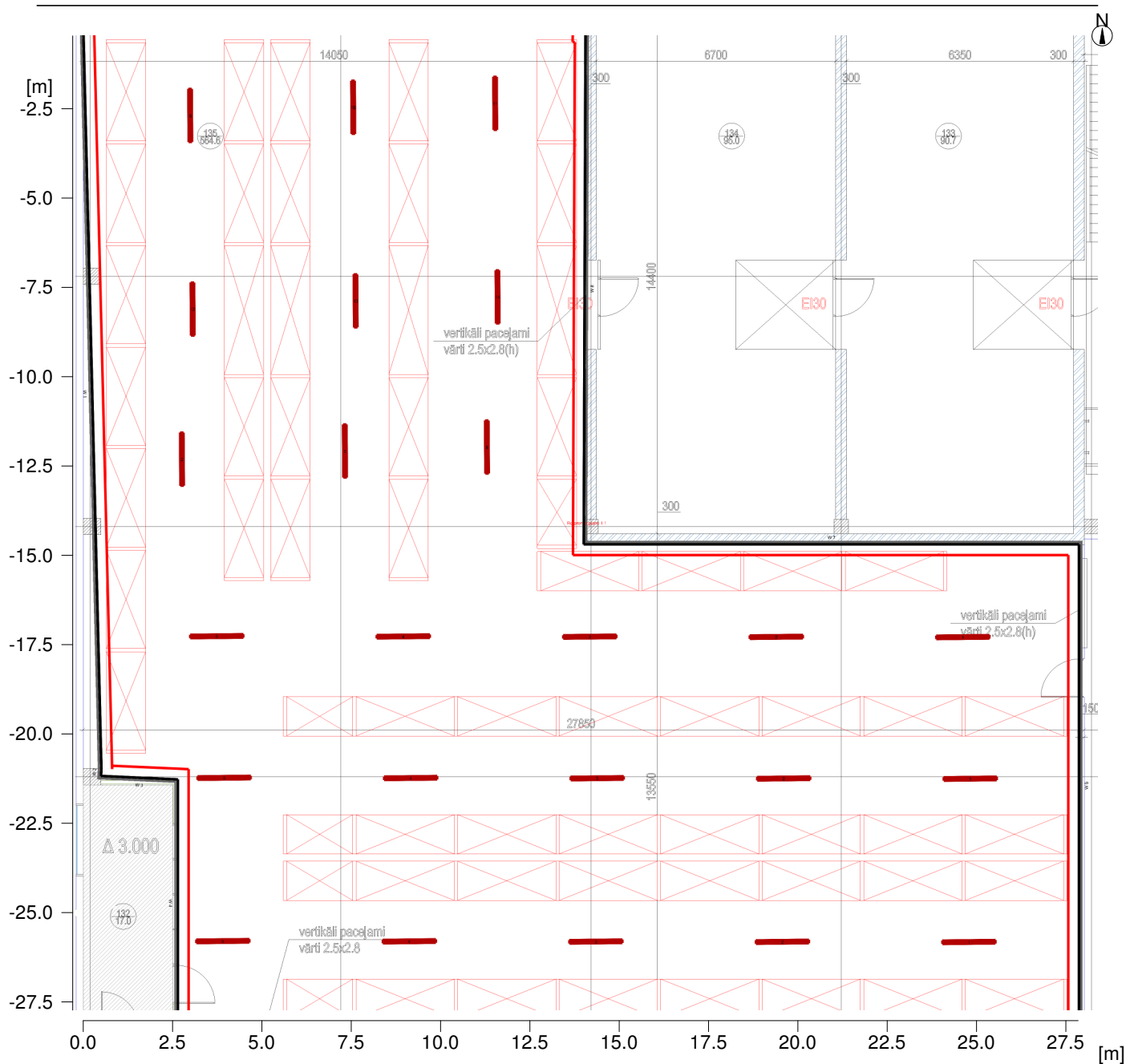
	Horizontal
Em	1530 lx (>= 1500 lx)
Emin	1430 lx
Emin/Eav (Uo)	0.94 (>= 0.70)
Emin/Emax (Ud)	0.91
UGR (12.0H 8.0H)	<=20.8 (< 16.00)
Position	0.75 m

Type No.\Make

6	240	TRILUX	
		Order No.	: 6991440
		Luminaire name	: E-Line G2 MT LED10000-840
		Equipment	: 1 x 74 W / 10000 lm

RELUX®
light simulation tools

Floor plan



Aprēķins

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 135

Floor plan

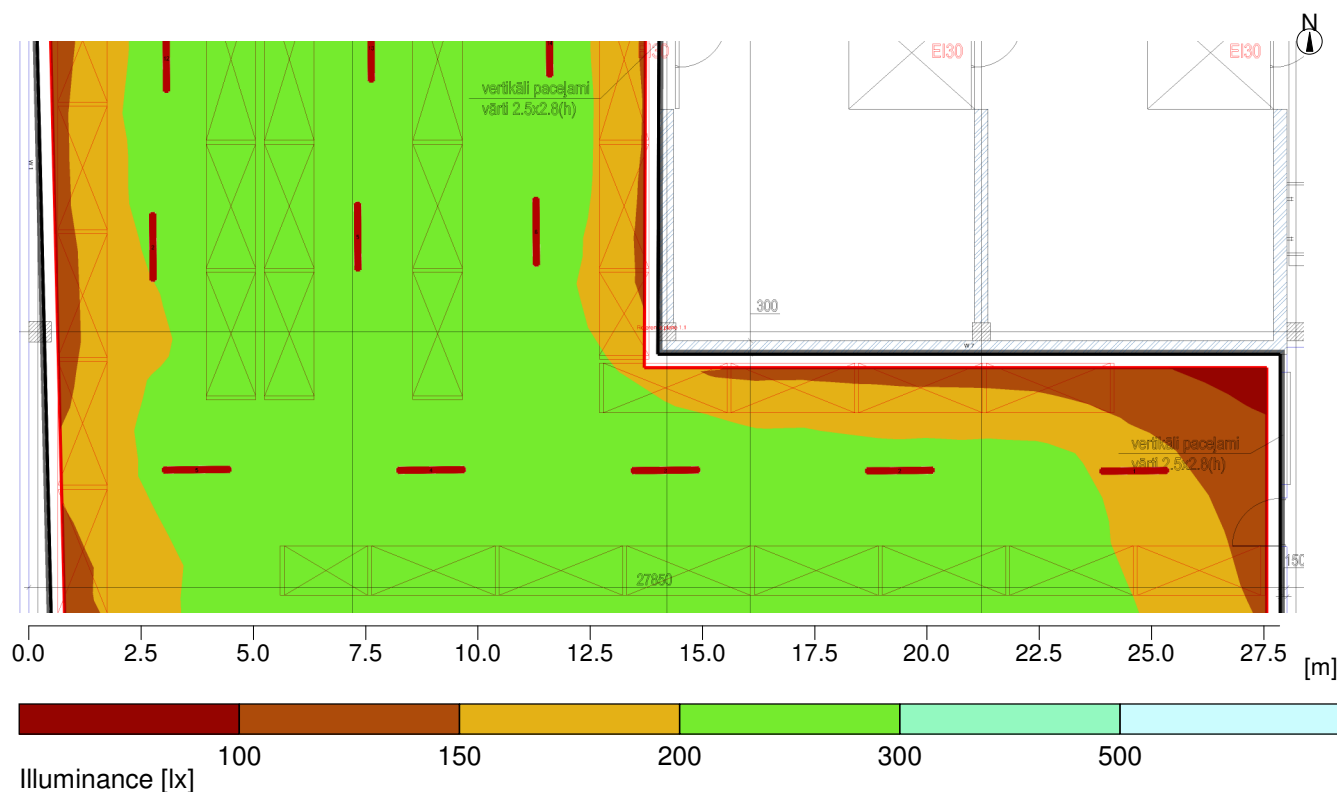
Wall	x	y	Length	Reflectance
1	18.13 m	49.97 m	20.99 m	50.0 %
2	18.12 m	49.77 m	0.20 m	50.0 %
3	20.27 m	49.67 m	2.15 m	50.0 %
4	20.27 m	42.74 m	6.92 m	50.0 %
5	45.47 m	42.74 m	25.20 m	50.0 %
6	45.47 m	56.24 m	13.50 m	50.0 %
7	31.62 m	56.24 m	13.85 m	50.0 %
8	31.67 m	70.54 m	14.30 m	50.0 %
9	31.62 m	70.55 m	0.06 m	50.0 %
10	31.63 m	70.92 m	0.36 m	50.0 %
11	17.62 m	70.94 m	14.01 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		8.00 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 135

Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
7.50 m
0.80

Total luminous flux of all lamps
Total power
Total power per area (557.97 m²)

151200 lm
1104.0 W
1.98 W/m² (0.99 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Storage rack areas
5.5.4 (EN 12464-1, 8.2011) Storage rack face (Ra >60.00)

	Horizontal	
Em	201 lx	(>= 200 lx)
Emin	101 lx	
Emin/Eav (Uo)	0.50	(>= 0.40)
Emin/Emax (Ud)	0.38	
Position	0.00 m	

Type No.\Make

TRILUX

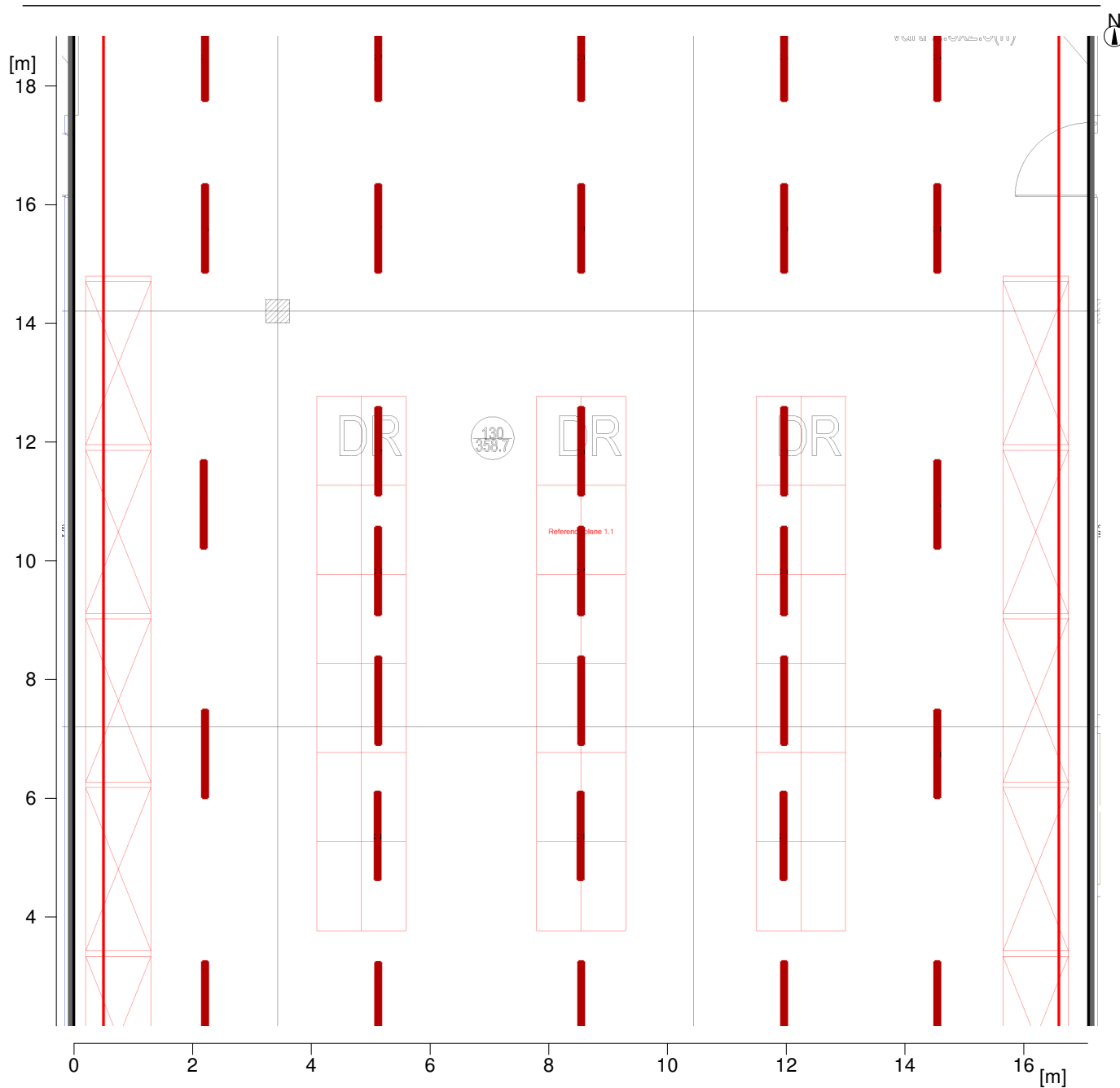
5	24	Order No.	: 6751640, /../LV Tp IP54, TA../35 IP54, M-E-R IP54, KD IP54
		Luminaire name	: E-Line MT LED6500-840 IP54
		Equipment	: 1 x 46 W / 6300 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 130

Floor plan



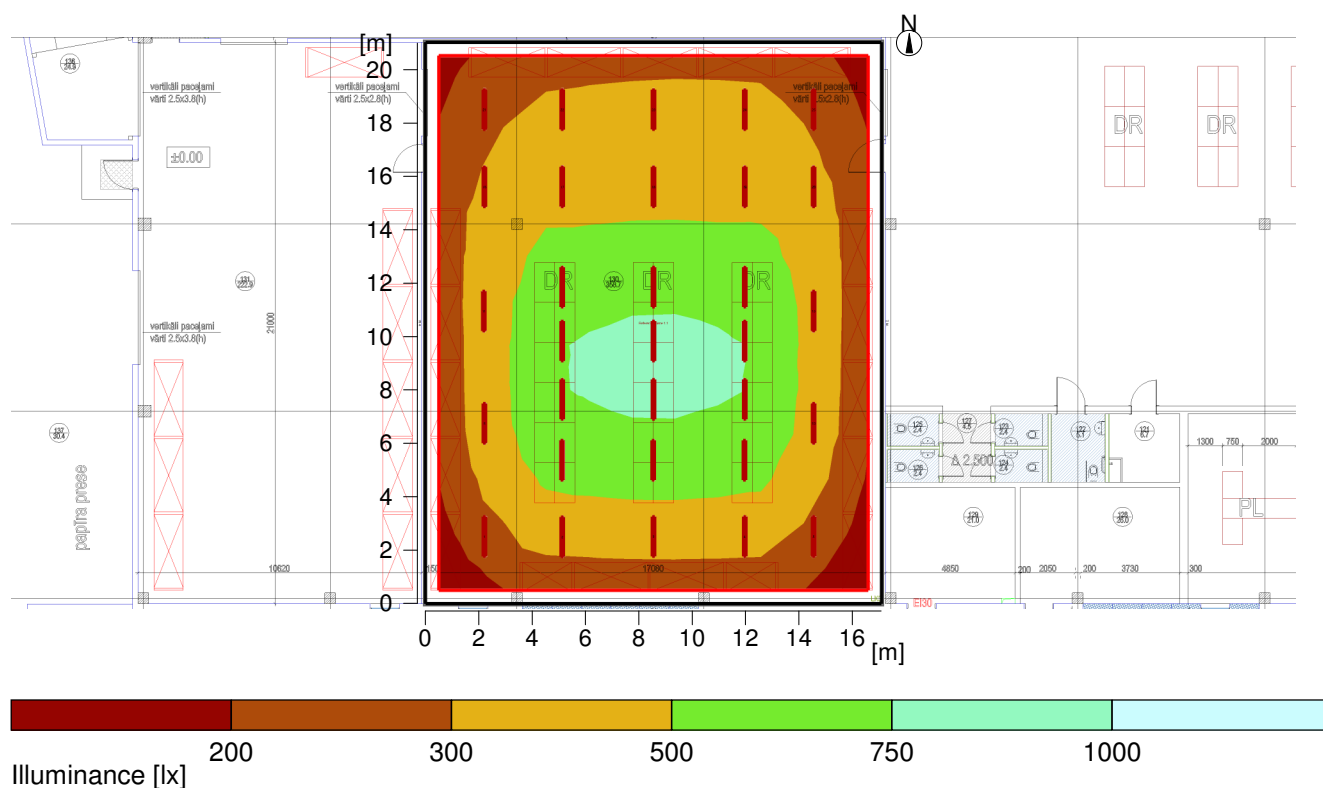
Wall	x	y	Length	Reflectance
1	45.47 m	21.54 m	17.08 m	50.0 %
2	45.47 m	42.54 m	21.00 m	50.0 %
3	28.39 m	42.54 m	17.08 m	50.0 %
4	28.39 m	21.54 m	21.00 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		9.00 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 130

Result overview, Evaluation area 1



General

Calculation algorithm used
Maintenance factor

Average indirect fraction
0.80

Total luminous flux of all lamps
Total power
Total power per area (358.68 m²)

75600 lm
552.0 W
1.54 W/m² (0.37 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Store rooms, cold stores
5.4.2 (EN 12464-1, 8.2011) Dispatch packing handling areas (Ra >60.00)

	Horizontal	
Em	414 lx	(≥ 300 lx)
Emin	163 lx	
Emin/Eav (Uo)	0.39	(≥ 0.60)
Emin/Emax (Ud)	0.21	
Position	0.00 m	

Major surfaces

	Em		Uo	
m 1.5 (Ceiling)	66 lx	(≥ 30 lx)	0.69	(≥ 0.10)
m 1.1 (Wall)	119 lx	(≥ 50 lx)	0.41	(≥ 0.10)
m 1.2 (Wall)	99 lx	(≥ 50 lx)	0.48	(≥ 0.10)
m 1.3 (Wall)	128 lx	(≥ 50 lx)	0.38	(≥ 0.10)
m 1.4 (Wall)	104 lx	(≥ 50 lx)	0.49	(≥ 0.10)

Type No. \ Make

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018



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Summary, 130

Result overview, Evaluation area 1

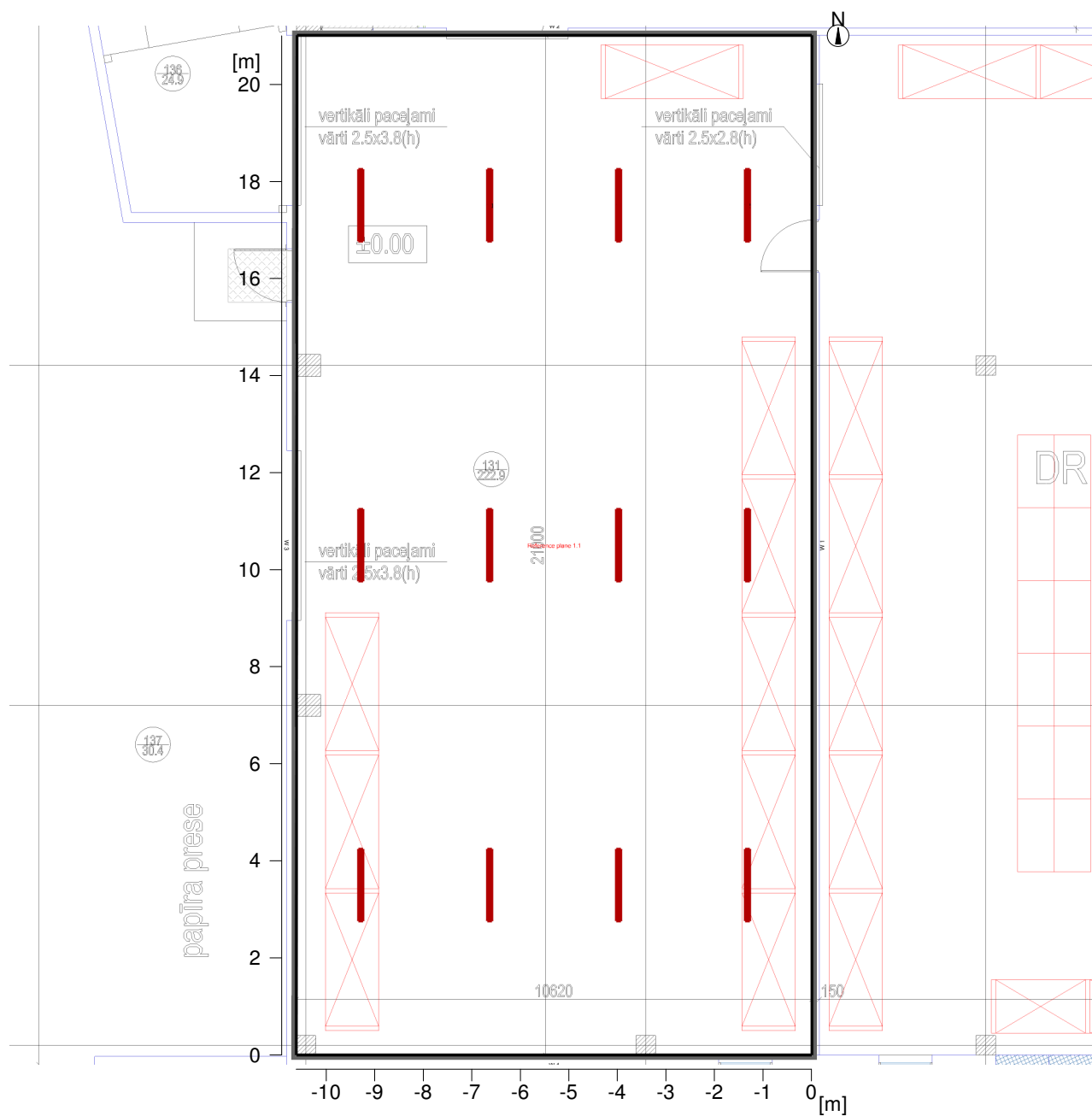
		TRILUX	
5	12	Order No.	: 6751640, /...LV Tp IP54, TA.../35 IP54, M-E-R IP54, KD IP54
<div></div>		Luminaire name	: E-Line MT LED6500-840 IP54
		Equipment	: 1 x 46 W / 6300 lm

Object : VATP-7
 Installation : Apgaismojums
 Project number : 1
 Date : 18.01.2018

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Description, 131

Floor plan



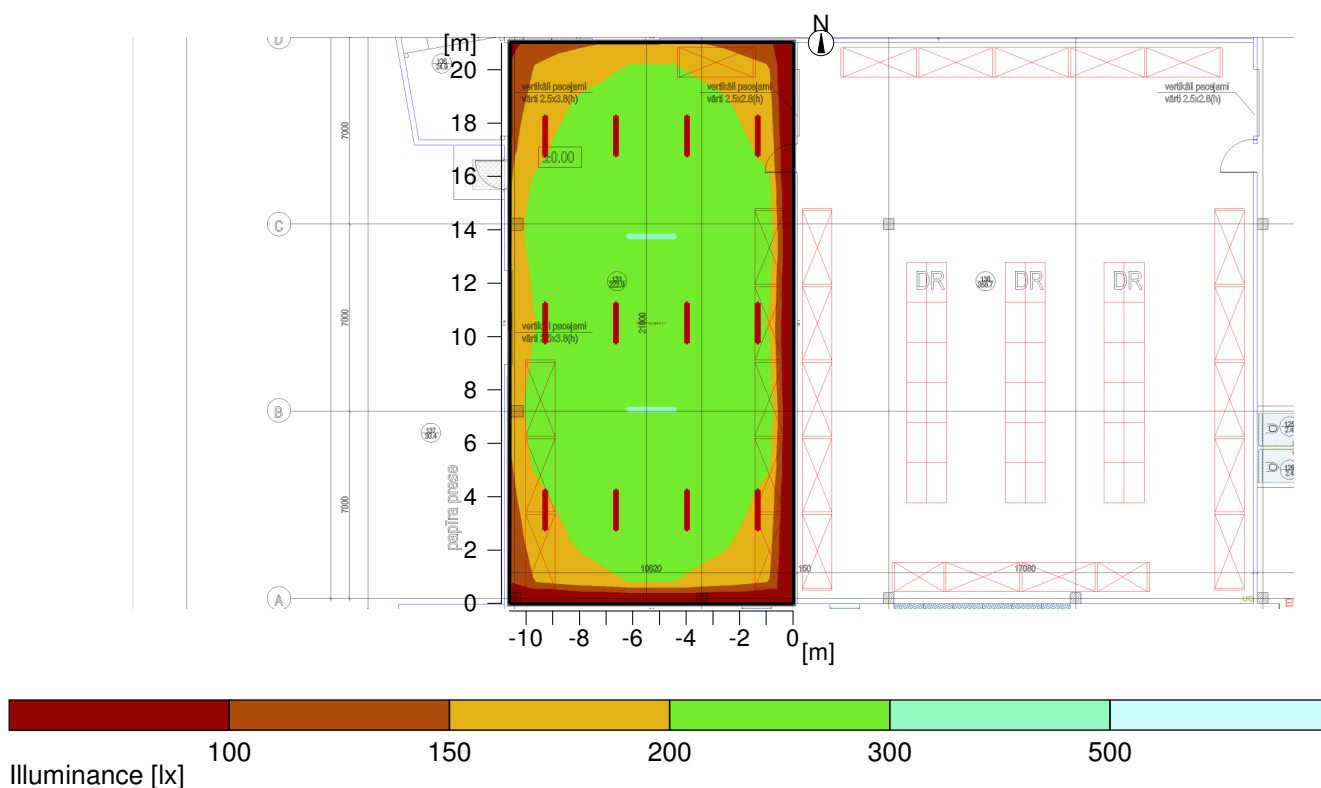
Wall	x	y	Length	Reflectance
1	28.24 m	42.54 m	21.00 m	50.0 %
2	17.64 m	42.54 m	10.61 m	50.0 %
3	17.62 m	21.54 m	21.00 m	50.0 %
4	28.24 m	21.54 m	10.62 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		8.00 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 131

Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
7.50 m
0.80

Total luminous flux of all lamps
Total power
Total power per area (222.87 m²)

75600 lm
552.0 W
2.48 W/m² (1.15 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Storage rack areas
5.5.4 (EN 12464-1, 8.2011) Storage rack face (Ra >60.00)

Horizontal
Em 216 lx (>= 200 lx)
Emin 140 lx
Emin/Eav (Uo) 0.65 (>= 0.40)
Emin/Emax (Ud) 0.49
UGR (1.7H 3.4H) <=18.4
Position 0.00 m

Type No.\Make

TRILUX

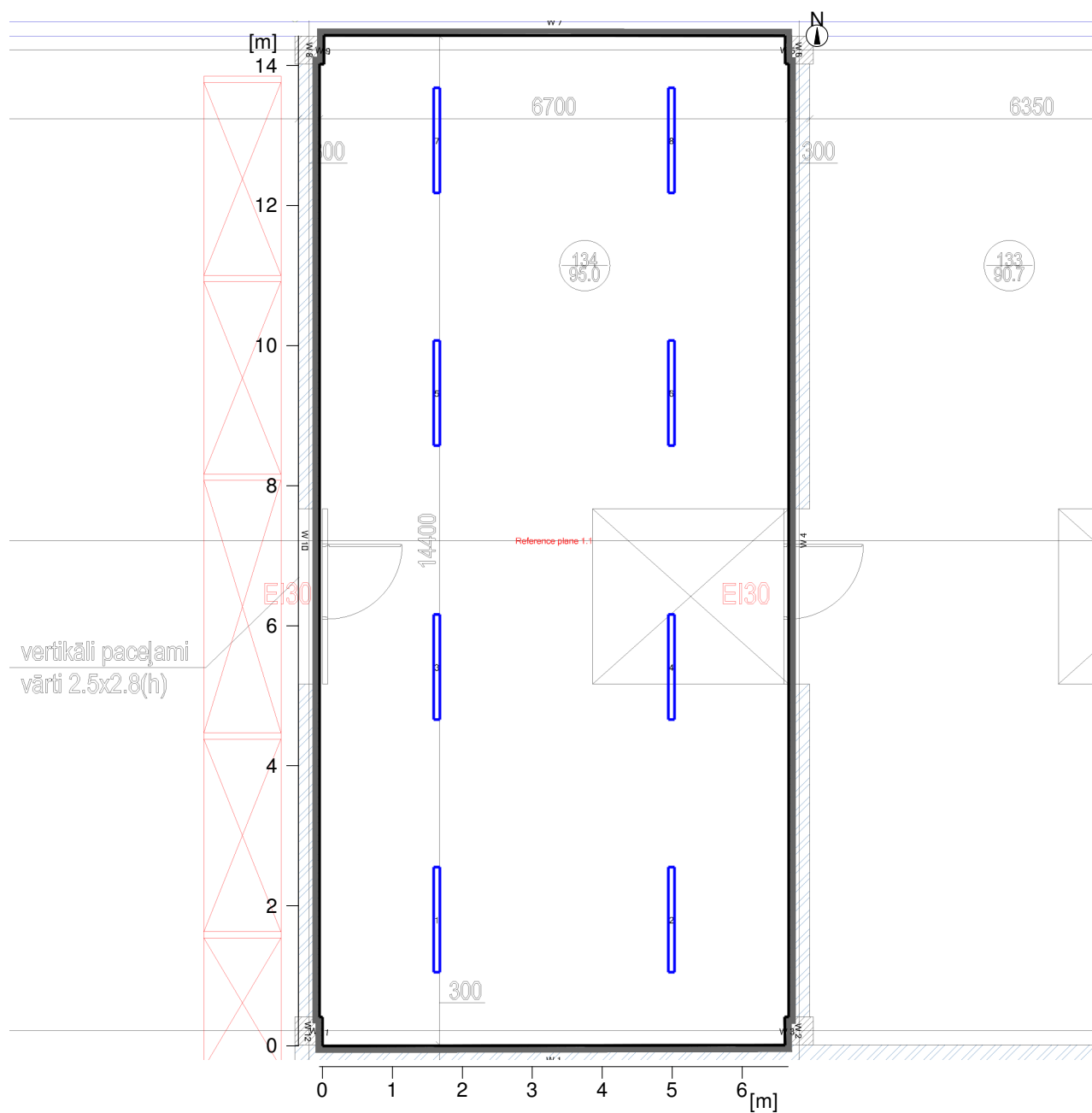
5 12 Order No. : 6751640, /../LV Tp IP54, TA../35 IP54, M-E-R IP54, KD IP54
Luminaire name : E-Line MT LED6500-840 IP54
Equipment : 1 x 46 W / 6300 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 134

Floor plan



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 134

Floor plan

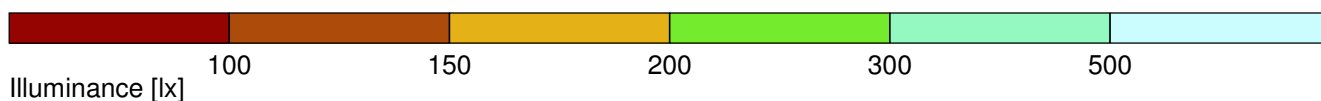
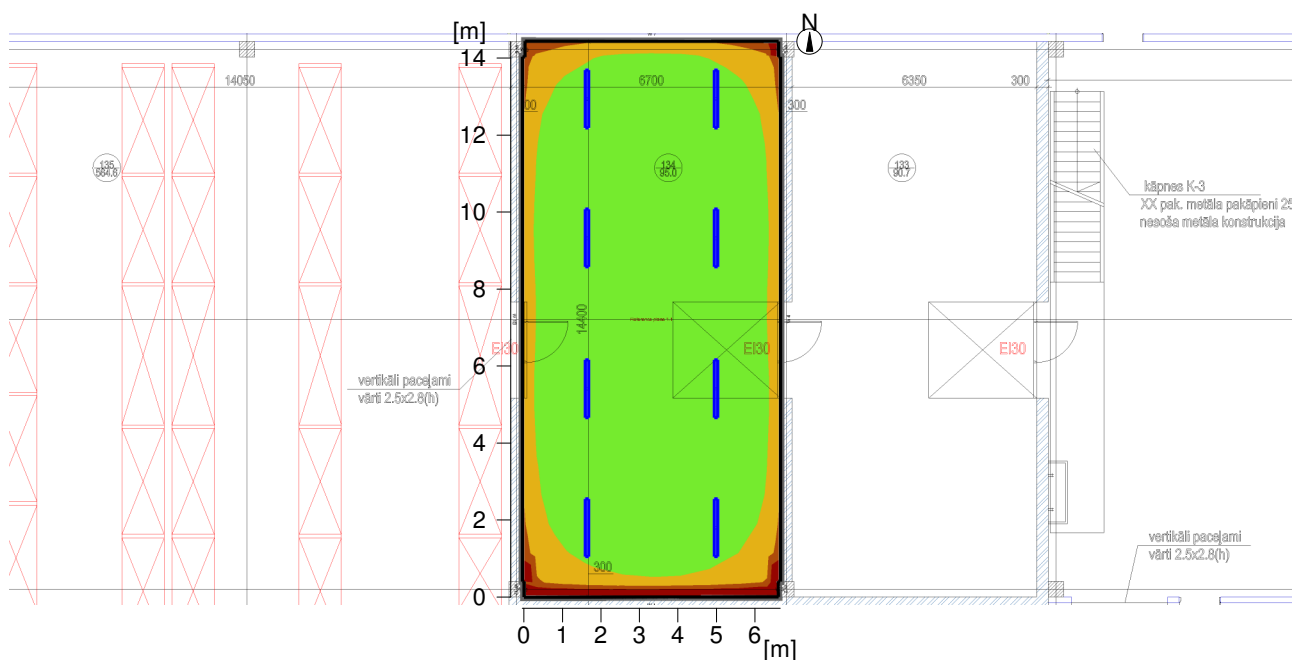
Wall	x	y	Length	Reflectance
1	38.62 m	56.54 m	6.60 m	50.0 %
2	38.61 m	56.94 m	0.40 m	50.0 %
3	38.67 m	56.94 m	0.06 m	50.0 %
4	38.67 m	70.54 m	13.60 m	50.0 %
5	38.62 m	70.55 m	0.05 m	50.0 %
6	38.62 m	70.95 m	0.40 m	50.0 %
7	32.04 m	70.95 m	6.58 m	50.0 %
8	32.04 m	70.54 m	0.41 m	50.0 %
9	31.97 m	70.54 m	0.06 m	50.0 %
10	31.97 m	56.94 m	13.60 m	50.0 %
11	32.02 m	56.94 m	0.04 m	50.0 %
12	32.02 m	56.53 m	0.41 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.55 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 134

Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
3.55 m
0.67

Total luminous flux of all lamps
Total power
Total power per area (96.49 m²)

45600 lm
424.0 W
4.39 W/m² (2.00 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Storage rack areas
5.5.4 (EN 12464-1, 8.2011) Storage rack face (Ra >60.00)

	Horizontal	
Em	220 lx	(≥ 200 lx)
Emin	137 lx	
Emin/Eav (Uo)	0.62	(≥ 0.40)
Emin/Emax (Ud)	0.52	
UGR (6.2H 2.9H)	≤23.0	
Position	0.00 m	

Type No.\Make

TRILUX

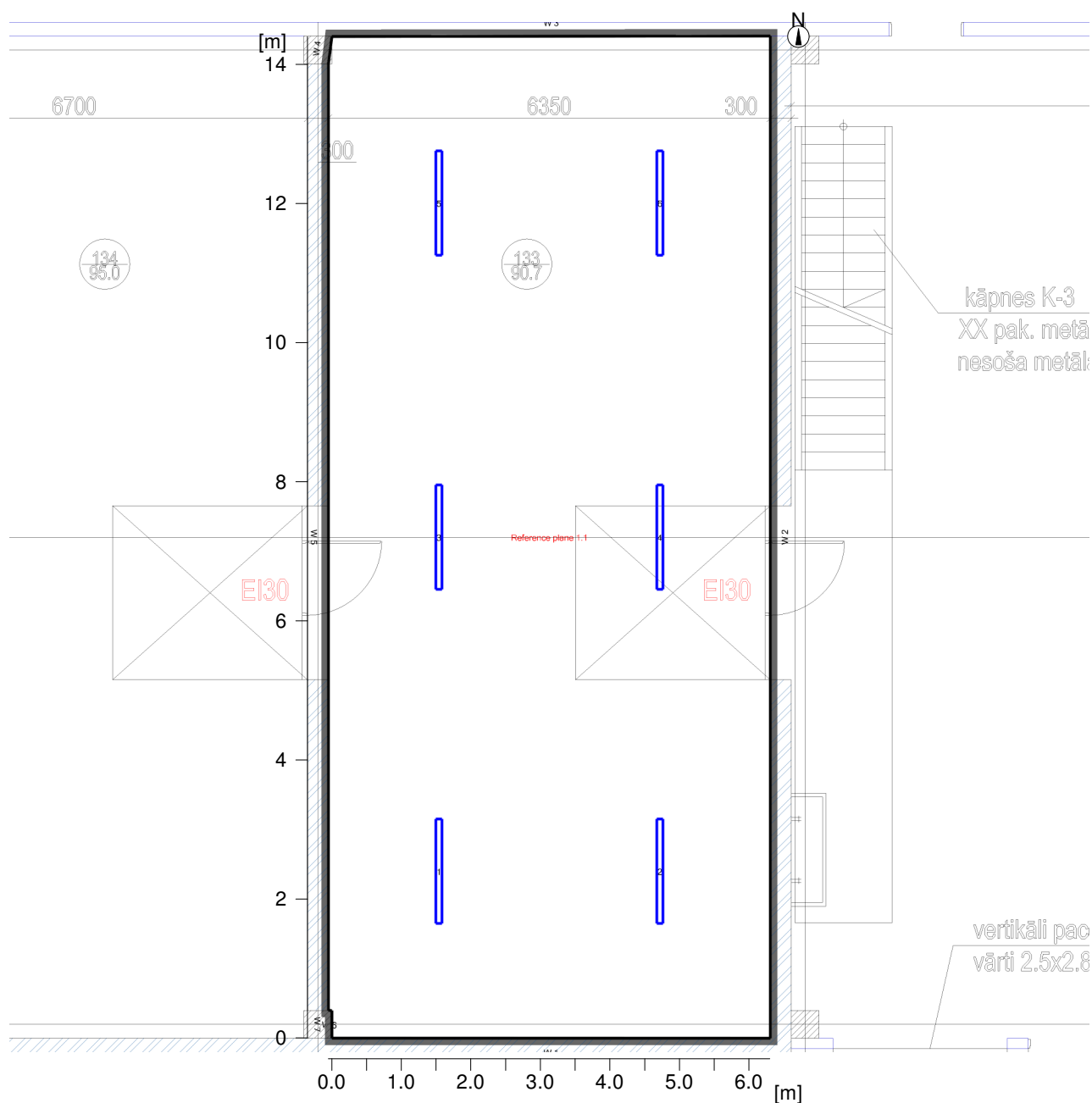
11	8	Order No.	: Olexeon 1500 B 6000-840 ET
		Luminaire name	: TOC 6815240
		Equipment	: 1 x LED 53 W / 5700 lm

Object : VATP-7
 Installation : Apgaismojums
 Project number : 1
 Date : 18.01.2018

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Description, 133

Floor plan



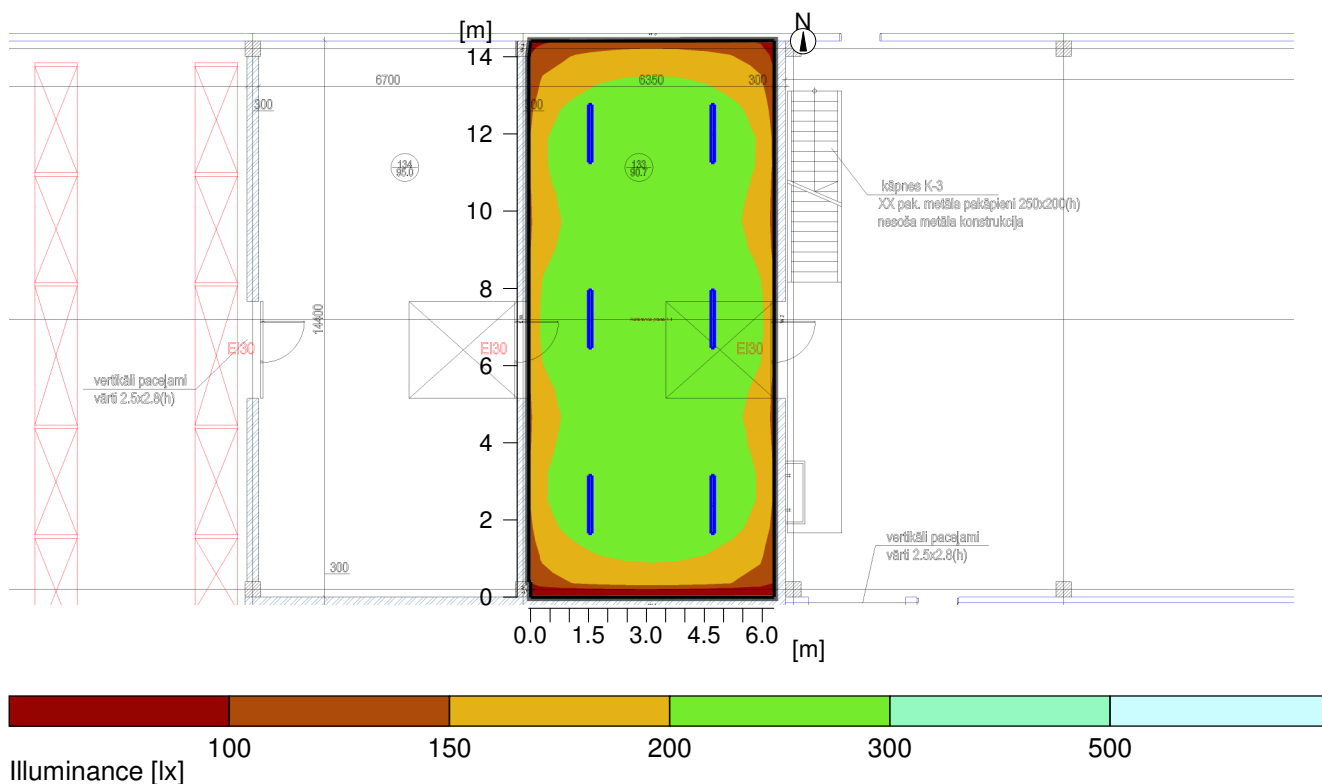
Wall	x	y	Length	Reflectance
1	45.32 m	56.54 m	6.30 m	50.0 %
2	45.32 m	70.94 m	14.40 m	50.0 %
3	39.02 m	70.94 m	6.30 m	50.0 %
4	38.97 m	70.54 m	0.40 m	50.0 %
5	38.97 m	56.94 m	13.60 m	50.0 %
6	39.02 m	56.94 m	0.05 m	50.0 %
7	39.02 m	56.55 m	0.40 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.55 m		
Height of reference plane		----		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 133

Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
3.55 m
0.80

Total luminous flux of all lamps
Total power
Total power per area (91.38 m²)

34200 lm
318.0 W
3.48 W/m² (1.68 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Storage rack areas
5.5.4 (EN 12464-1, 8.2011) Storage rack face (Ra >60.00)

Horizontal	
Em	207 lx (>= 200 lx)
Emin	122 lx
Emin/Eav (Uo)	0.59 (>= 0.40)
Emin/Emax (Ud)	0.47
UGR (2.7H 6.2H)	<=22.9
Position	0.00 m (rot: 0°/0.01°)

Type No.\Make

TRILUX

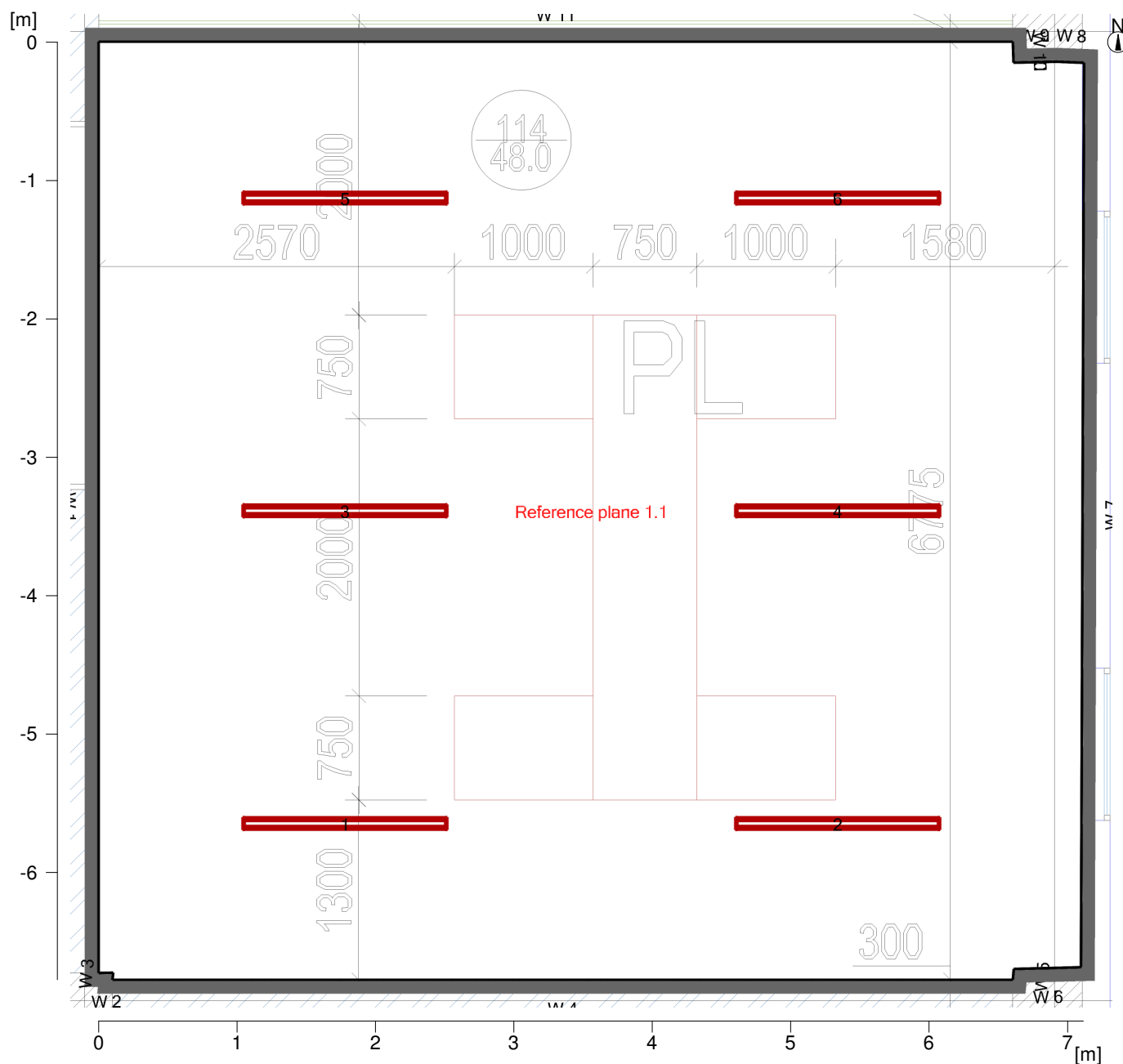
11	6	Order No.	: Olexeon 1500 B 6000-840 ET
		Luminaire name	: TOC 6815240
		Equipment	: 1 x LED 53 W / 5700 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 114

Floor plan



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 114

Floor plan

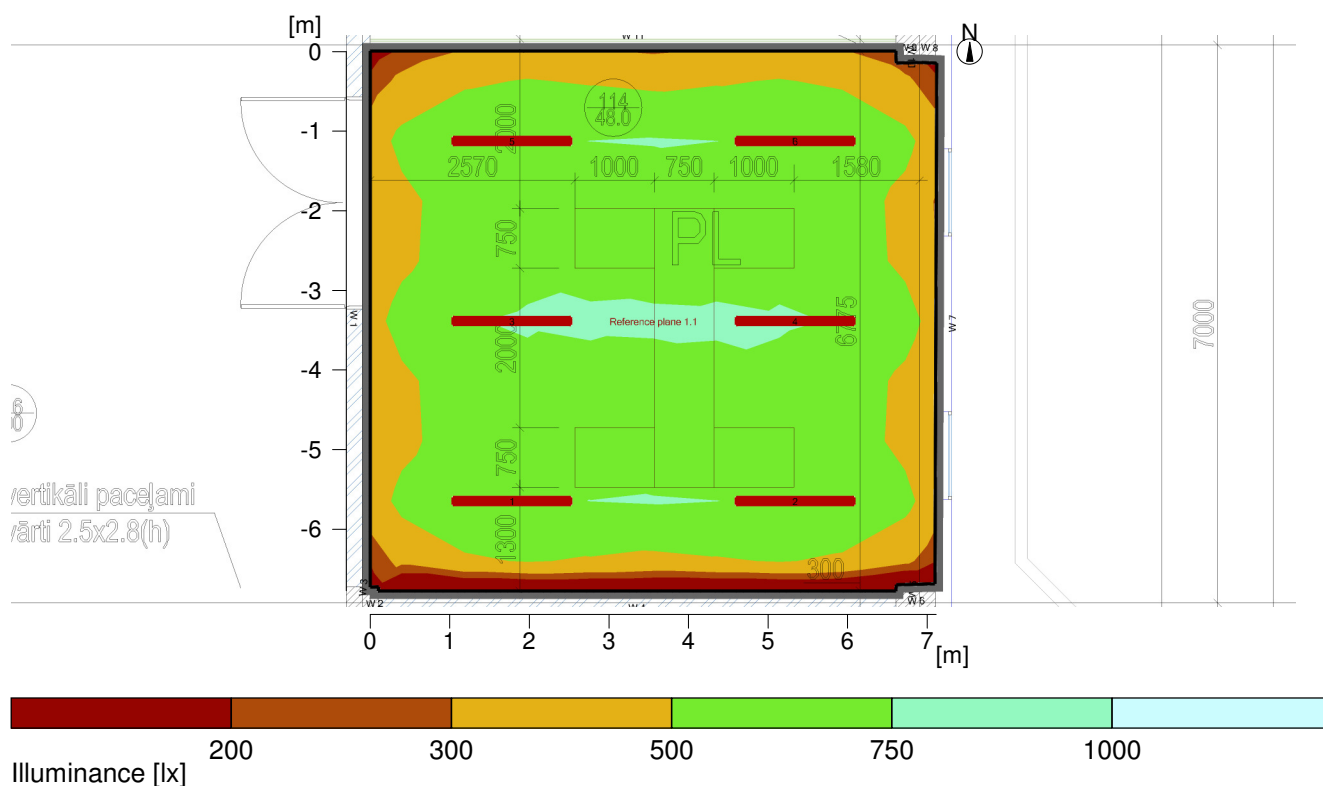
Wall	x	y	Length	Reflectance
1	87.92 m	56.94 m	6.72 m	50.0 %
2	88.03 m	56.95 m	0.11 m	50.0 %
3	88.02 m	56.89 m	0.05 m	50.0 %
4	94.52 m	56.89 m	6.50 m	50.0 %
5	94.53 m	56.97 m	0.08 m	50.0 %
6	95.01 m	56.99 m	0.49 m	50.0 %
7	95.04 m	63.52 m	6.53 m	50.0 %
8	94.84 m	63.52 m	0.20 m	50.0 %
9	94.53 m	63.52 m	0.31 m	50.0 %
10	94.52 m	63.67 m	0.15 m	50.0 %
11	87.92 m	63.67 m	6.60 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.55 m		
Height of reference plane		0.75 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 114

Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
3.55 m
0.80

Total luminous flux of all lamps
Total power
Total power per area (48.00 m²)

37800 lm
276.0 W
5.75 W/m² (1.01 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: Industrial activities and crafts - Printers
5.21.2 (EN 12464-1, 8.2011) Paper sorting and hand printing (Ra >80.00)

	Horizontal	
Em	570 lx	(>= 500 lx)
Emin	315 lx	
Emin/Eav (Uo)	0.55	(>= 0.60)
Emin/Emax (Ud)	0.41	
UGR (3.0H 3.1H)	<=18.3	(< 19.00)
Position	0.75 m	

Type No.\Make

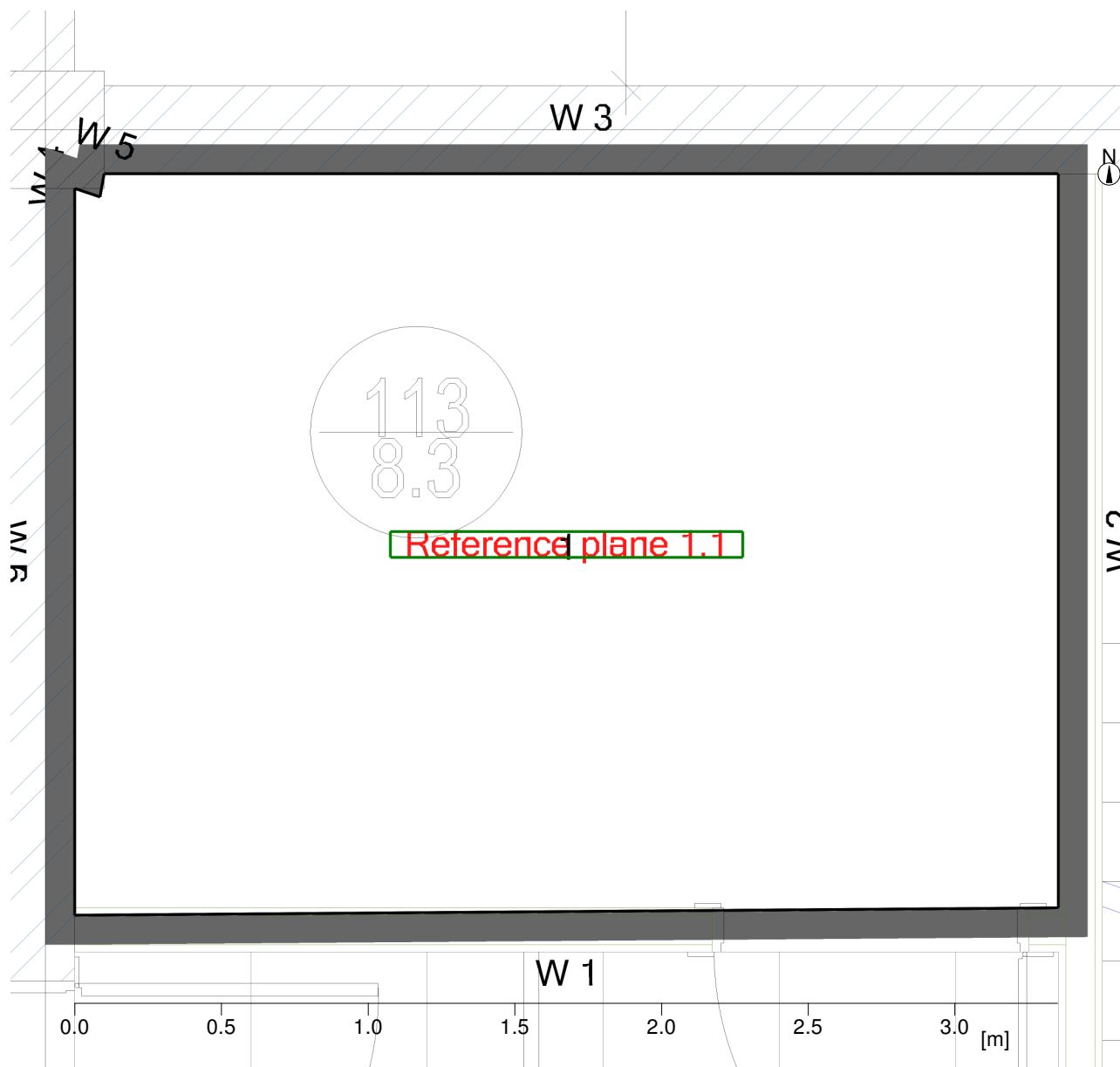
TRILUX

Type No.	Make
5	6
Order No.	: 6751640, /../LV Tp IP54, TA../35 IP54, M-E-R IP54, KD IP54
Luminaire name	: E-Line MT LED6500-840 IP54
Equipment	: 1 x 46 W / 6300 lm

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Description, 113

Floor plan



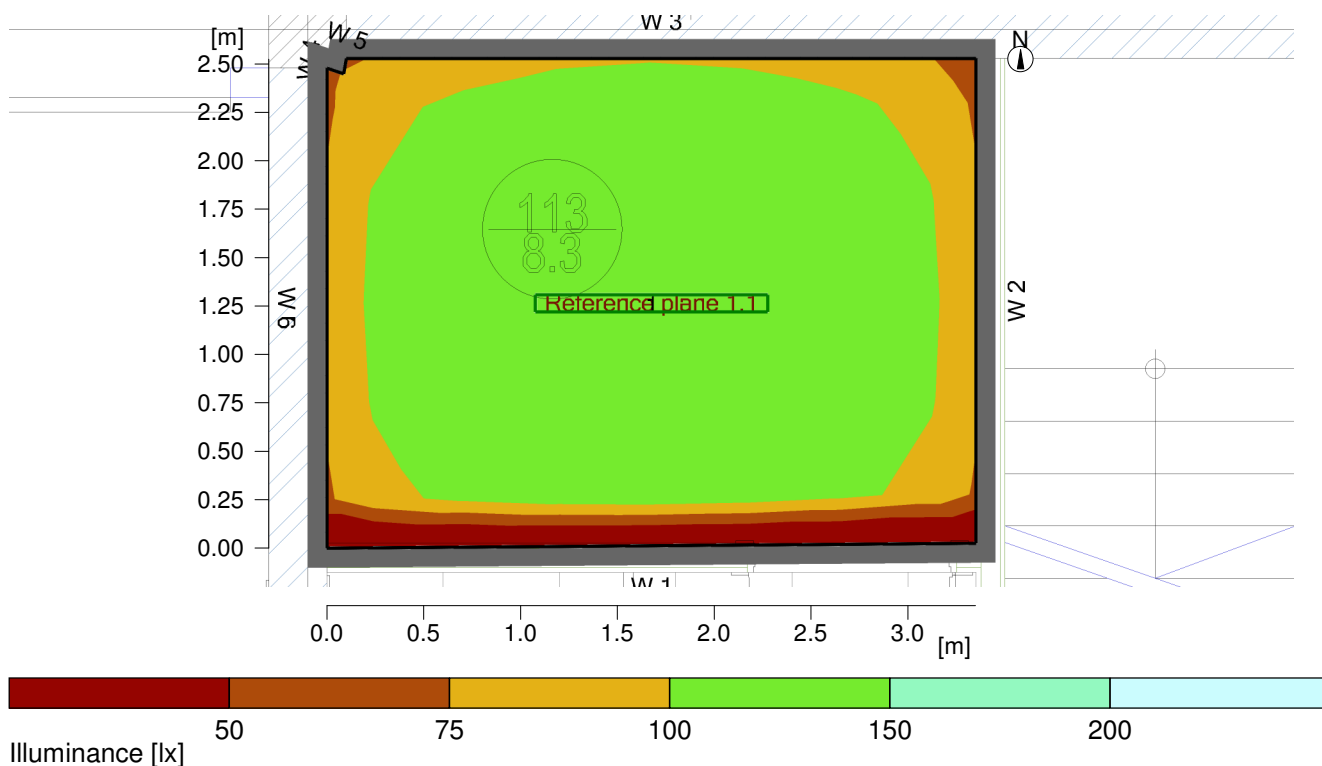
Wall	x	y	Length	Reflectance
1	91.27 m	54.09 m	3.35 m	50.0 %
2	91.27 m	56.59 m	2.50 m	50.0 %
3	88.02 m	56.59 m	3.25 m	50.0 %
4	88.01 m	56.52 m	0.08 m	50.0 %
5	87.92 m	56.54 m	0.09 m	50.0 %
6	87.92 m	54.07 m	2.47 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.55 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 113

Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	3.55 m
Maintenance factor	0.80
Total luminous flux of all lamps	4000 lm
Total power	36.0 W
Total power per area (8.41 m²)	4.28 W/m² (3.95 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Store rooms, cold stores
5.4.1 (EN 12464-1, 8.2011) Store and stockrooms (Ra >60.00)

Horizontal	
Em	108 lx (>= 100 lx)
Emin	87 lx
Emin/Eav (Uo)	0.81 (>= 0.40)
Emin/Emax (Ud)	0.68
UGR (2.0H 2.0H)	<=19.7 (< 25.00)
Position	0.00 m

Type No.\Make

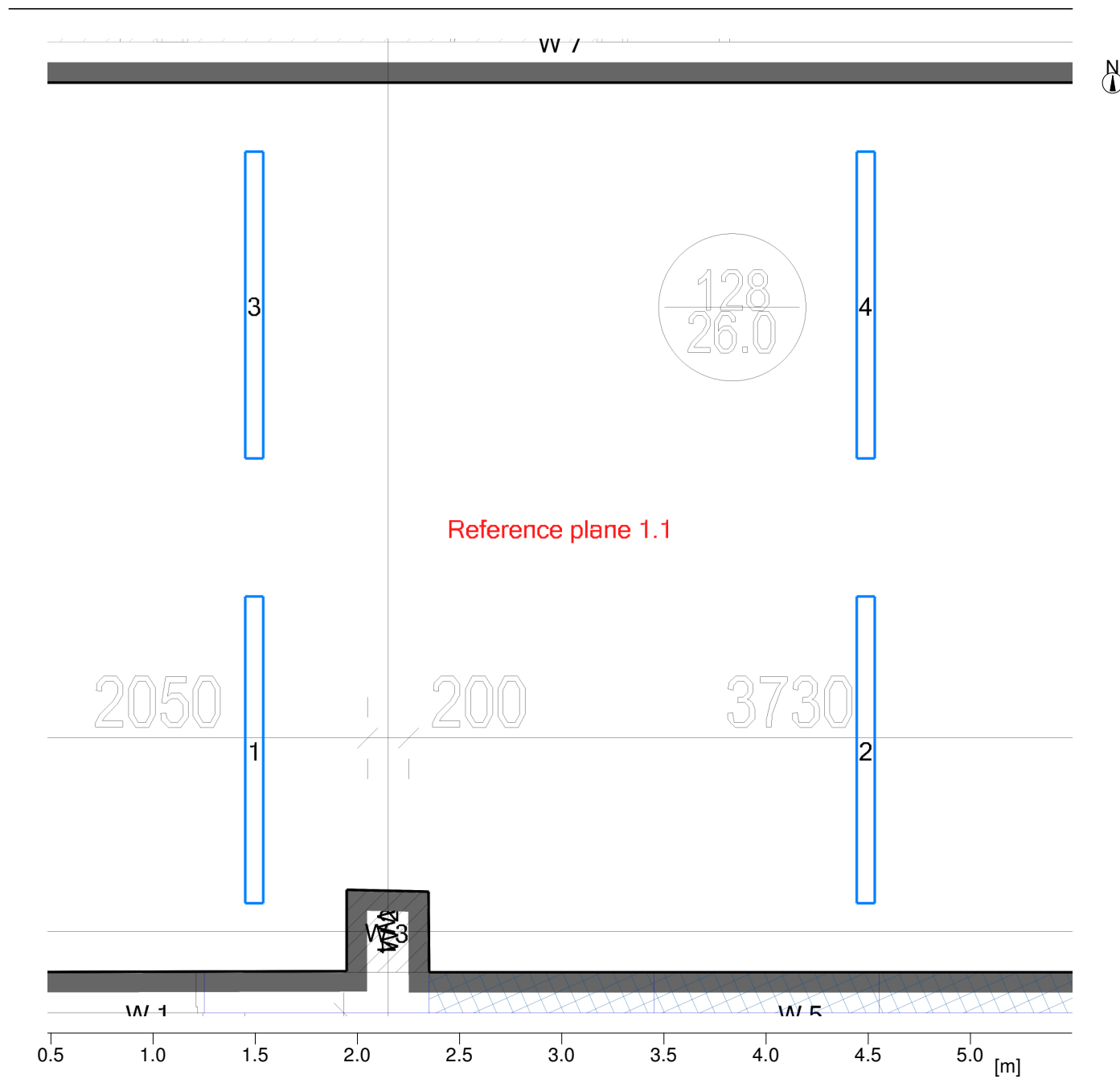
8	1	TRILUX	
		Order No.	: Olexeon 1200 B 4000-840 ET
		Luminaire name	: TOC 6815440
		Equipment	: 1 x LED 36 W / 4000 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 128

Floor plan



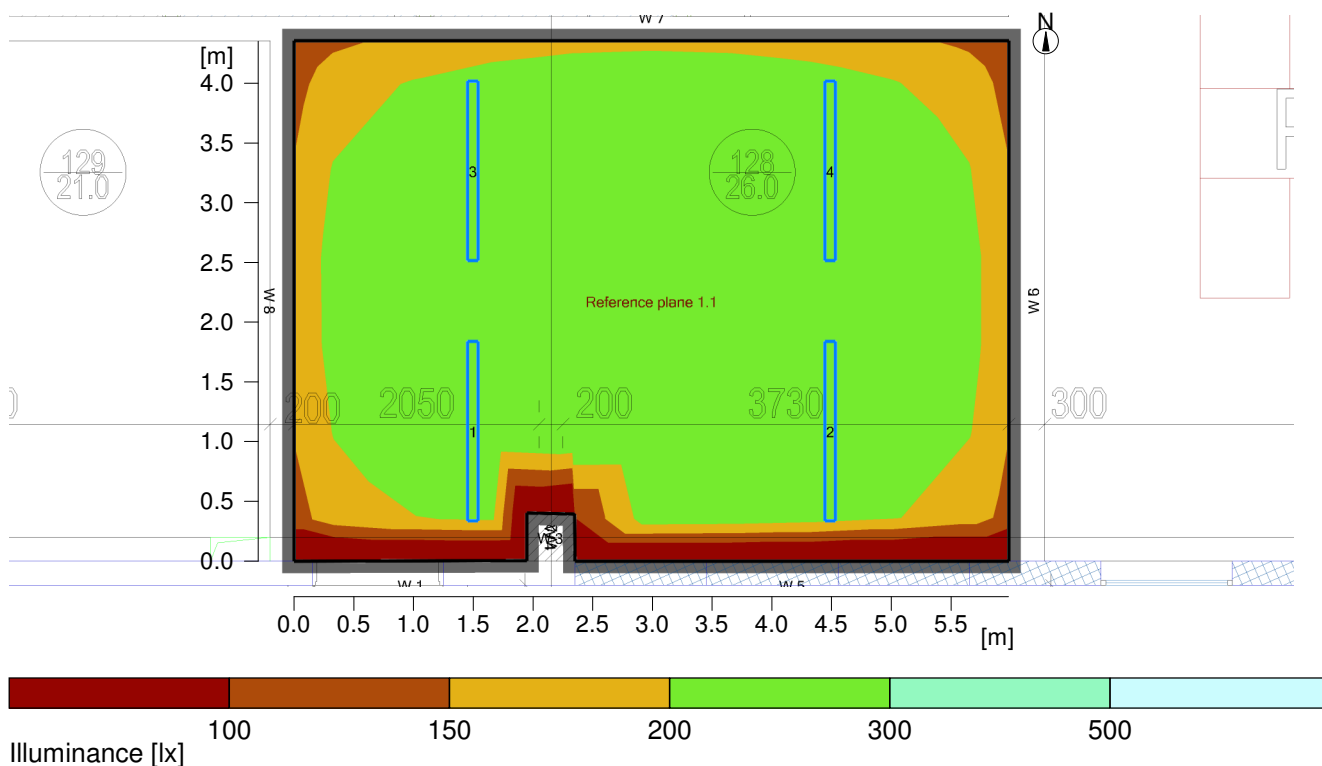
Wall	x	y	Length	Reflectance
1	52.62 m	21.55 m	1.95 m	50.0 %
2	52.62 m	21.95 m	0.40 m	50.0 %
3	53.02 m	21.94 m	0.40 m	50.0 %
4	53.02 m	21.54 m	0.39 m	50.0 %
5	56.65 m	21.54 m	3.63 m	50.0 %
6	56.65 m	25.89 m	4.35 m	50.0 %
7	50.67 m	25.89 m	5.98 m	50.0 %
8	50.67 m	21.54 m	4.35 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.50 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 128

Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	3.50 m
Maintenance factor	0.80
Total luminous flux of all lamps	15200 lm
Total power	124.0 W
Total power per area (25.85 m ²)	4.80 W/m ² (2.12 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Control rooms
5.3.1 (EN 12464-1, 8.2011) Plant rooms, switch gear rooms (Ra >60.00)

Horizontal	
Em	226 lx (>= 200 lx)
Emin	165 lx
Emin/Eav (Uo)	0.73 (>= 0.40)
Emin/Emax (Ud)	0.60
UGR (1.9H 2.6H)	<=19.7 (< 25.00)
Position	0.00 m

Type No. \ Make

TRILUX

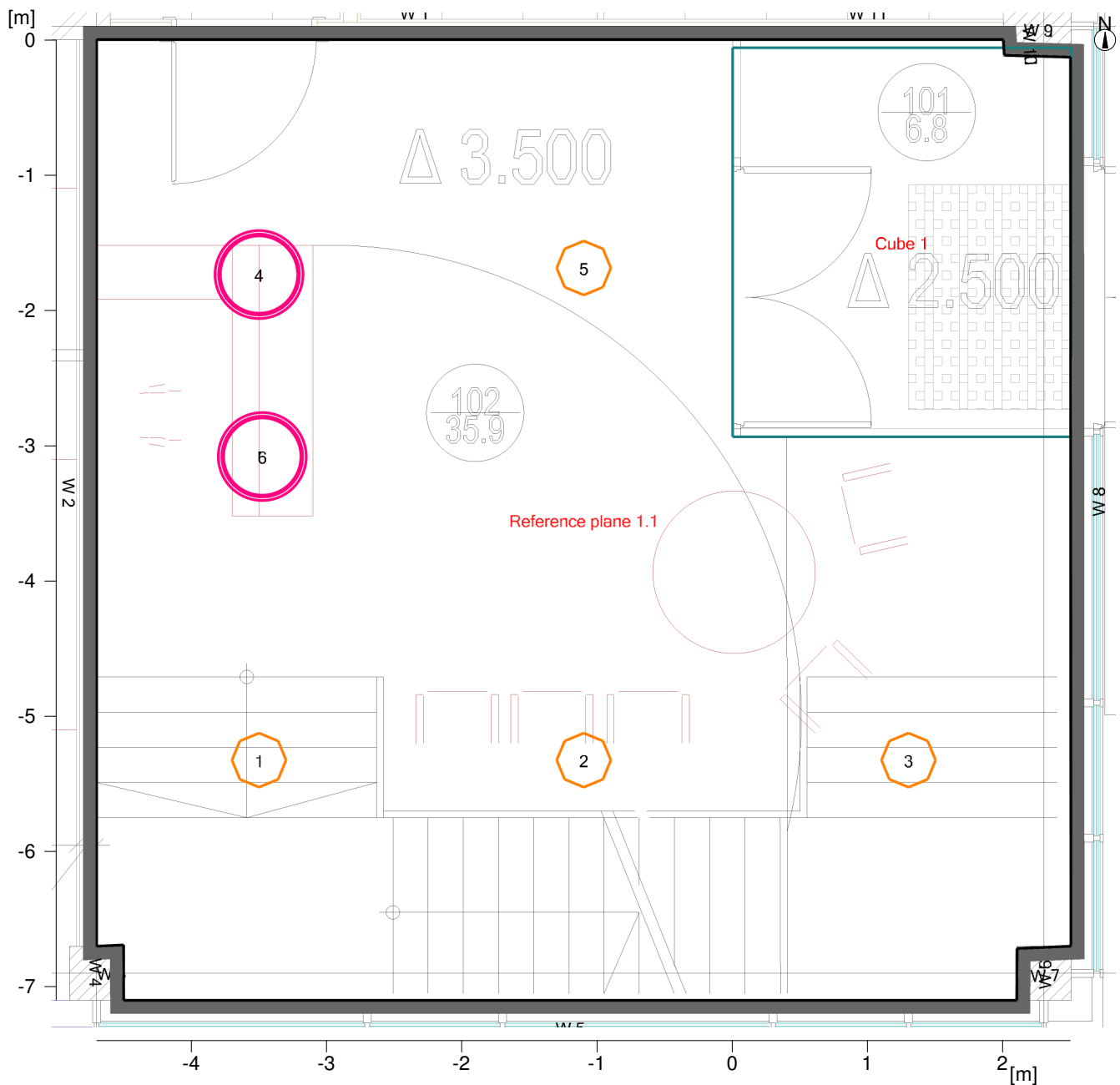
10	4	Order No.	: Olexeon 1500 B 4000-840 ET
		Luminaire name	: TOC 6815640
		Equipment	: 1 x LED 31 W / 3800 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 102

Floor plan



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 102

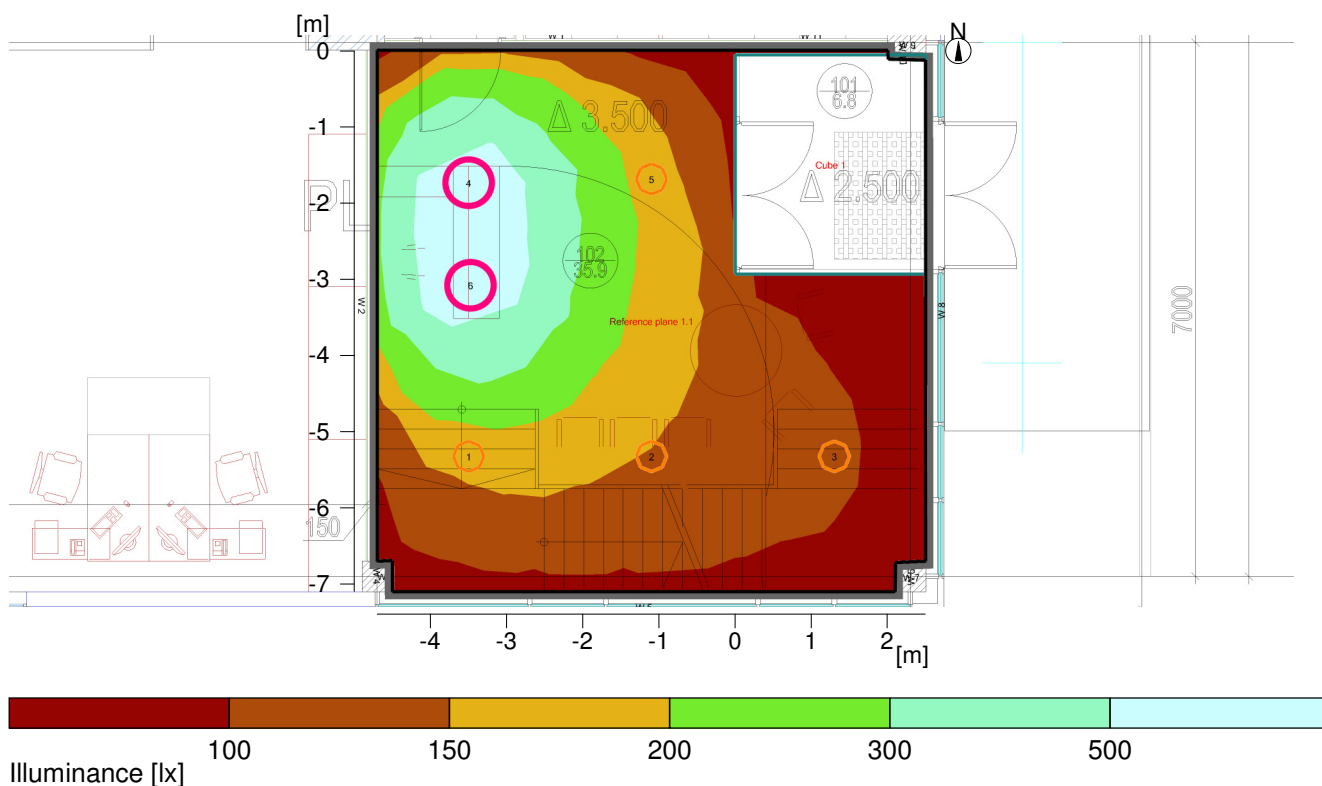
Floor plan

Wall	x	y	Length	Reflectance
1	87.82 m	28.64 m	4.70 m	50.0 %
2	87.82 m	21.94 m	6.70 m	50.0 %
3	88.02 m	21.95 m	0.20 m	50.0 %
4	88.02 m	21.54 m	0.41 m	50.0 %
5	94.62 m	21.54 m	6.60 m	50.0 %
6	94.62 m	21.93 m	0.38 m	50.0 %
7	95.02 m	21.94 m	0.40 m	50.0 %
8	95.02 m	28.51 m	6.57 m	50.0 %
9	94.53 m	28.53 m	0.49 m	50.0 %
10	94.52 m	28.64 m	0.12 m	50.0 %
11	92.52 m	28.64 m	2.00 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.50 m		
Height of reference plane		0.00 m		

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Summary, 102

Result overview, Evaluation area 1



General

Calculation algorithm used	High indirect fraction
Maintenance factor	0.80
Total luminous flux of all lamps	20000 lm
Total power	168.0 W
Total power per area (50.81 m ²)	3.31 W/m ² (1.70 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

User profile: Traffic zones inside buildings
 5.1.1 (EN 12464-1, 8.2011) Circulation areas and corridors (Ra >40.00)

	Horizontal	
Em	194 lx	(>= 100 lx)
Emin	63 lx	
Emin/Eav (Uo)	0.32	(>= 0.40)
Emin/Emax (Ud)	0.08	
Position	0.00 m	

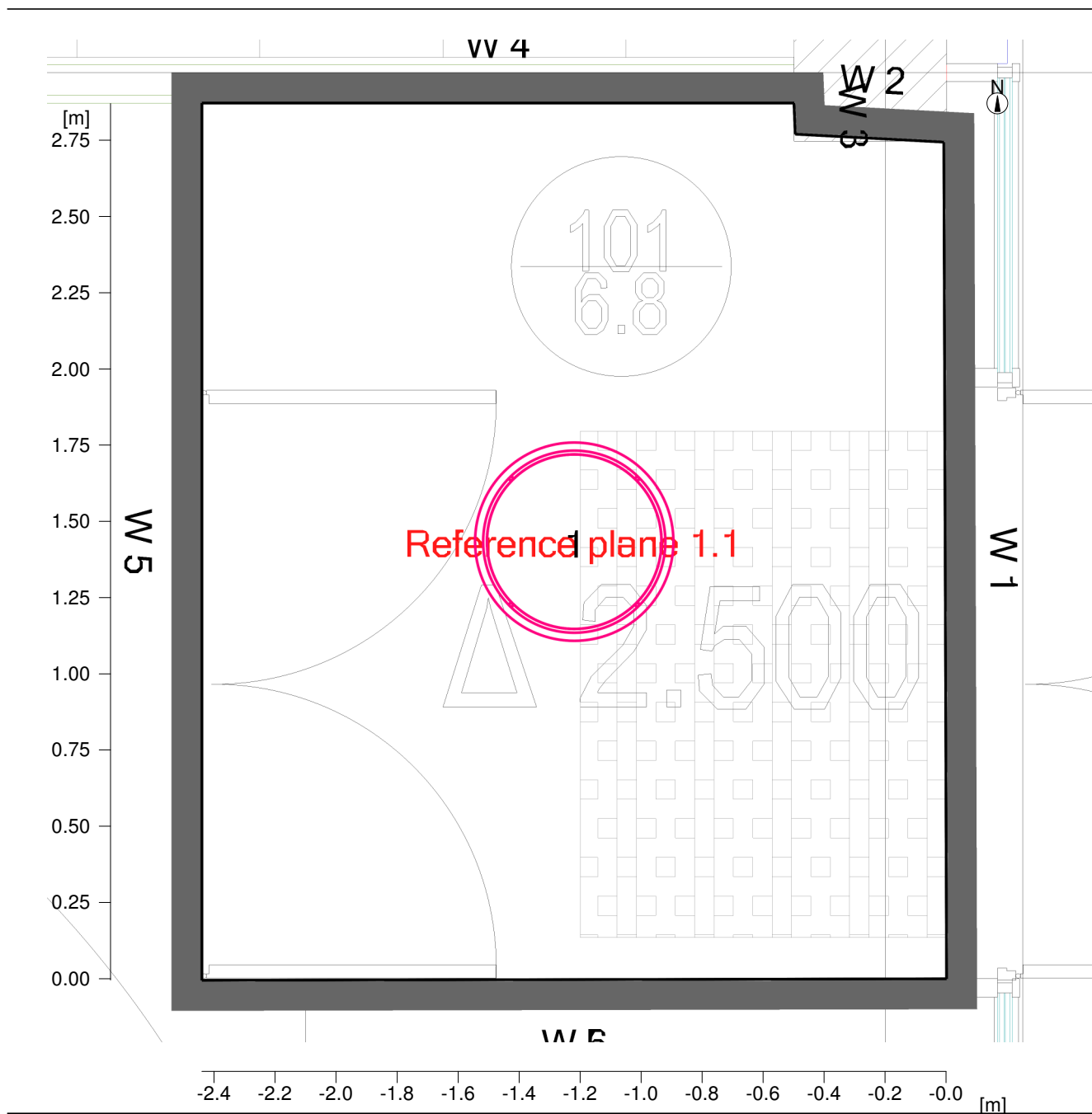
Type No. \ Make

TRILUX		
14	4	Order No. : PolaronIQ H2D LED2000-840 2,0m ET
		Luminaire name : TOC 6334940
		Equipment : 1 x LED 17 W / 2000 lm
15	2	Order No. : Lateralor H1 BLGS 6000-840 01 ETDD
		Luminaire name : TOC 6367251
		Equipment : 1 x LED 50 W / 6000 lm

101

Description, 101

Floor plan



Wall	x	y	Length	Reflectance
1	95.01 m	28.52 m	2.74 m	50.0 %
2	94.53 m	28.54 m	0.49 m	50.0 %
3	94.52 m	28.64 m	0.10 m	50.0 %
4	92.58 m	28.64 m	1.94 m	50.0 %
5	92.58 m	25.77 m	2.88 m	50.0 %
6	95.02 m	25.77 m	2.44 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		2.50 m		
Height of reference plane		0.00 m		

Summary, 101

Calculation algorithm used	High indirect fraction
Height of luminaire plane	2.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	6000 lm
Total power	50.0 W
Total power per area (6.94 m ²)	7.20 W/m ² (2.72 W/m ² /100lx)

Reference plane 1.1

Em	Horizontal	
Emin	265 lx	(>= 100 lx)
Emin/Eav (Uo)	148 lx	
Emin/Emax (Ud)	0.56	(>= 0.40)
UGR (3.1H 3.6H)	0.34	
Position	<=16.8	(< 28.00)
	0.00 m	

15 1



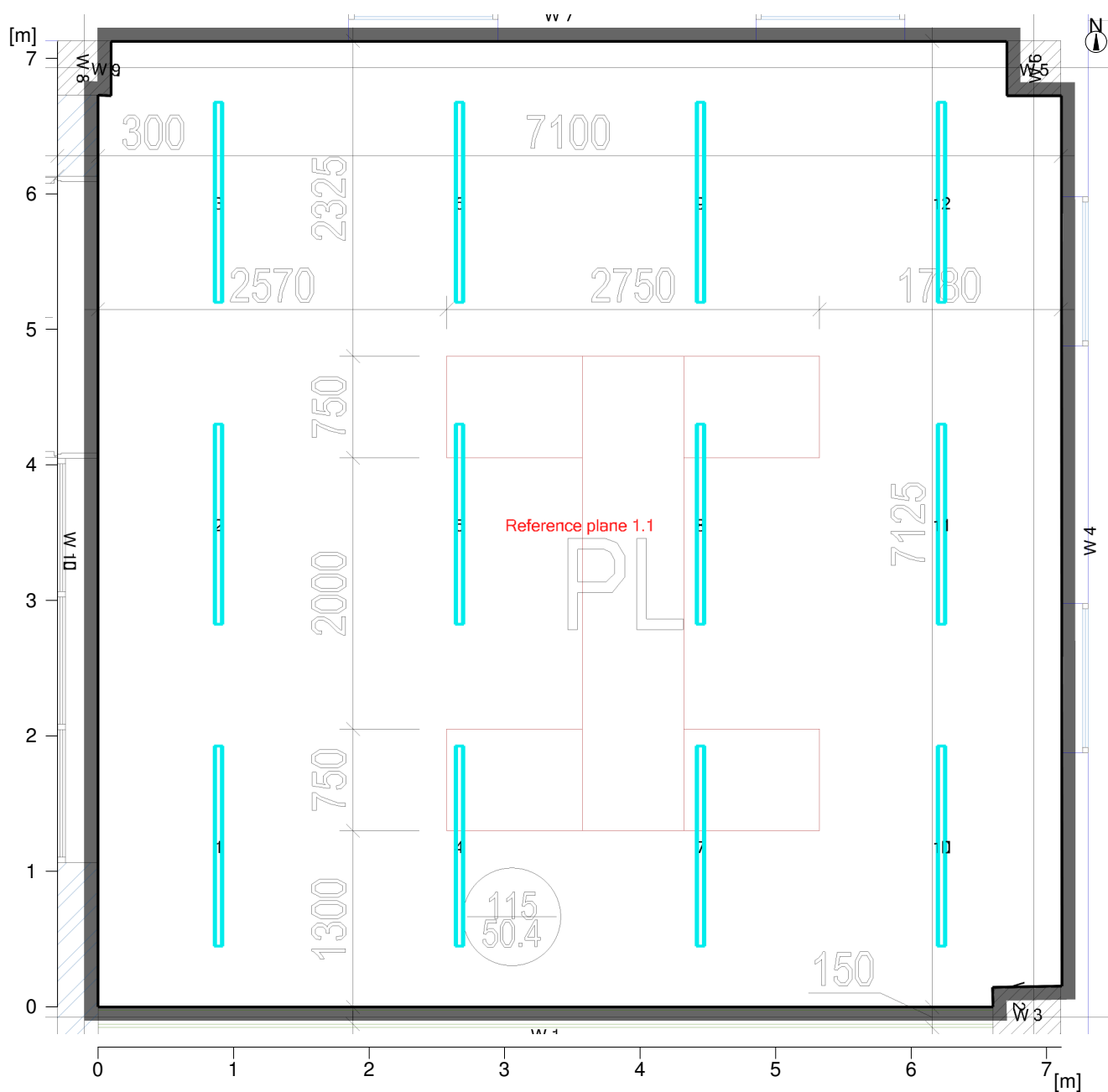
Order No. : LateraloR H1 BLGS 6000-840 01 ETDD
Luminaire name : TOC 6367251
Equipment : 1 x LED 50 W / 6000 lm

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 115

Floor plan



Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Description, 115

Floor plan

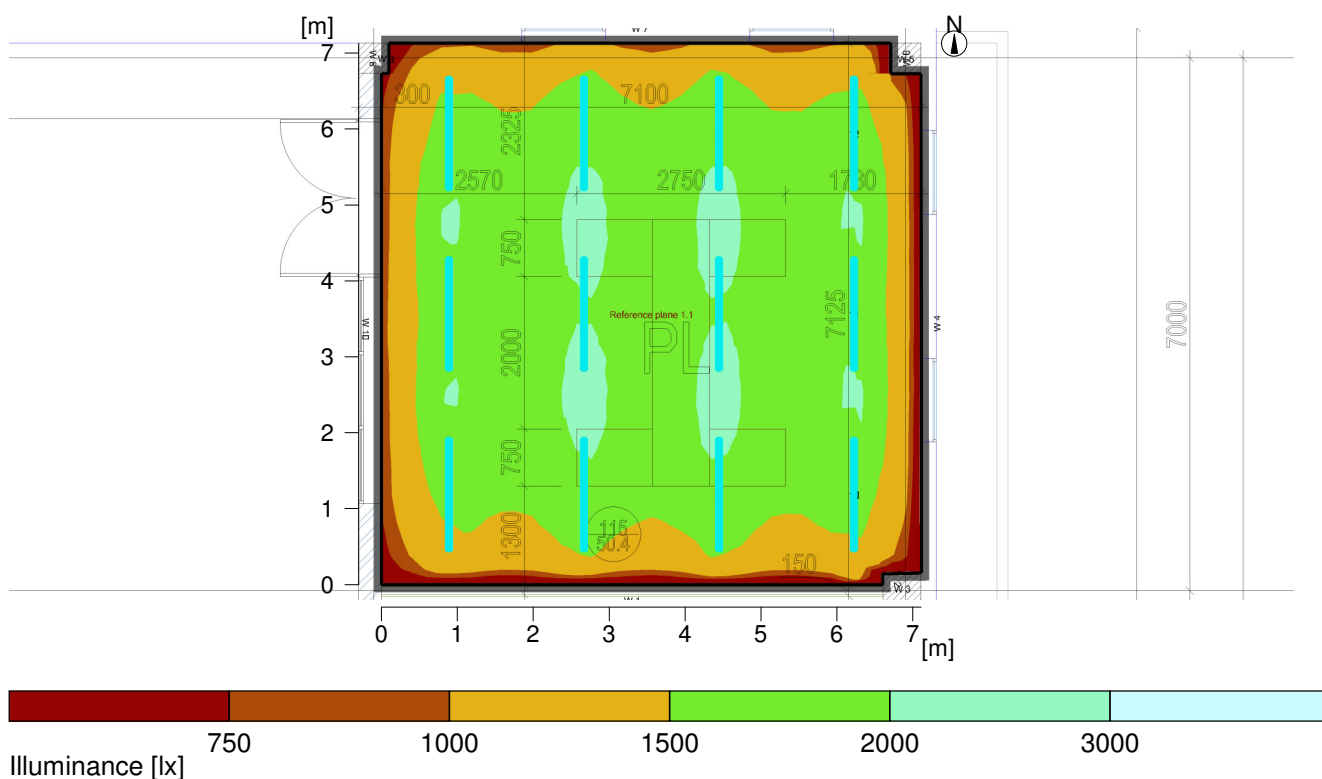
Wall	x	y	Length	Reflectance
1	94.52 m	63.82 m	6.60 m	50.0 %
2	94.52 m	63.96 m	0.15 m	50.0 %
3	95.03 m	63.97 m	0.51 m	50.0 %
4	95.03 m	70.54 m	6.57 m	50.0 %
5	94.62 m	70.54 m	0.40 m	50.0 %
6	94.62 m	70.94 m	0.40 m	50.0 %
7	88.02 m	70.94 m	6.61 m	50.0 %
8	88.02 m	70.54 m	0.40 m	50.0 %
9	87.92 m	70.54 m	0.10 m	50.0 %
10	87.92 m	63.82 m	6.72 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.50 m		
Height of reference plane		0.75 m		

Object : VATP-7
 Installation : Apgaismojums
 Project number : 1
 Date : 18.01.2018

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Summary, 115

Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	3.00 m
Maintenance factor	0.70
Total luminous flux of all lamps	120000 lm
Total power	888.0 W
Total power per area (50.33 m²)	17.64 W/m² (1.14 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: Industrial activities and crafts - Electrical and electronic industry
 5.11.6 (EN 12464-1, 8.2011) Electronic workshops, testing, adjusting (Ra >80.00)

Horizontal	
Em	1540 lx (>= 1500 lx)
Emin	983 lx
Emin/Eav (Uo)	0.64 (>= 0.70)
Emin/Emax (Ud)	0.48
UGR (4.1H 4.1H)	<=21.2 (< 16.00)
Position	0.75 m

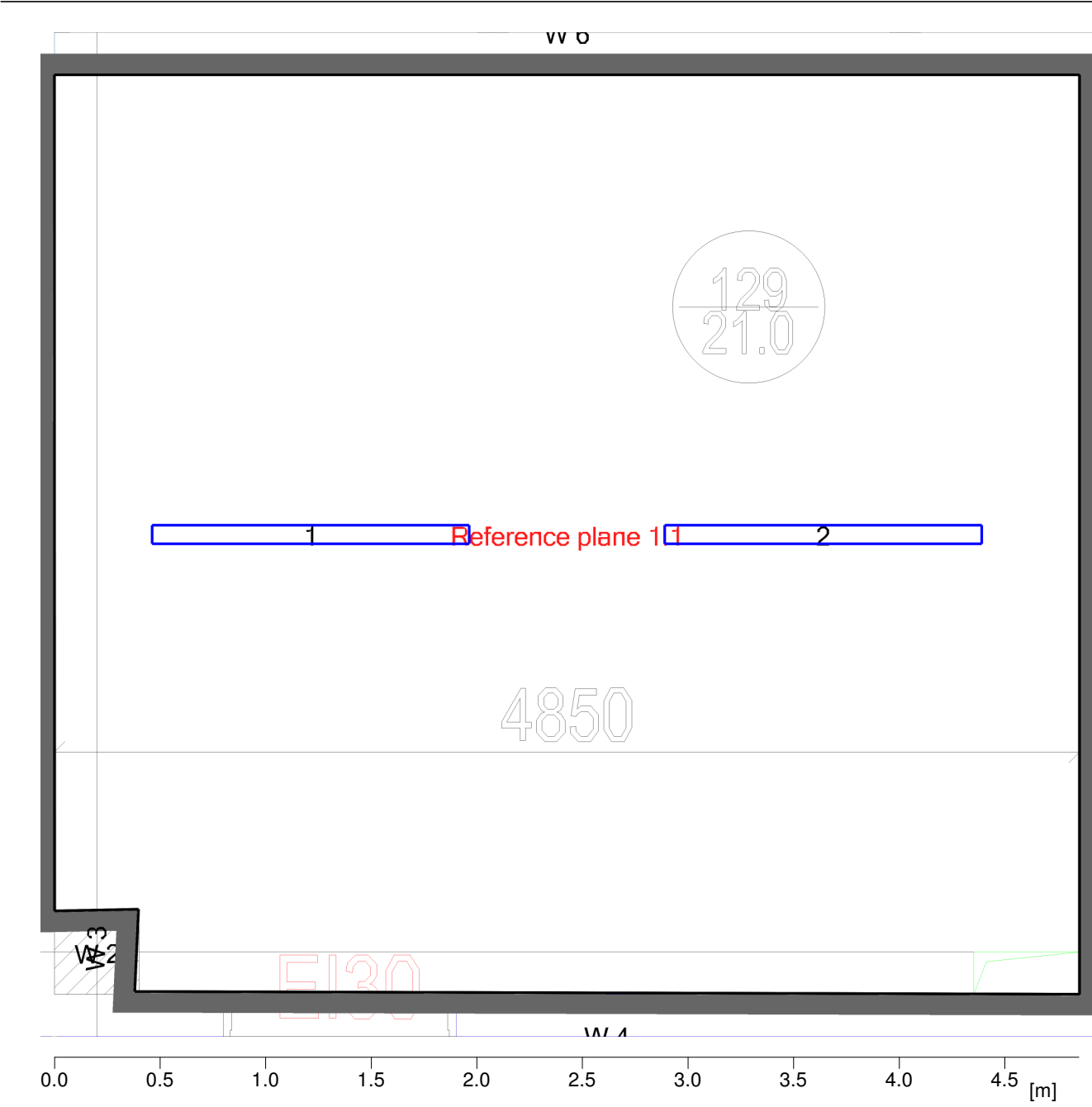
Type No.\Make

6	12	TRILUX	
		Order No.	: 6991440
		Luminaire name	: E-Line G2 MT LED10000-840
		Equipment	: 1 x 74 W / 10000 lm

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Description, 129

Floor plan



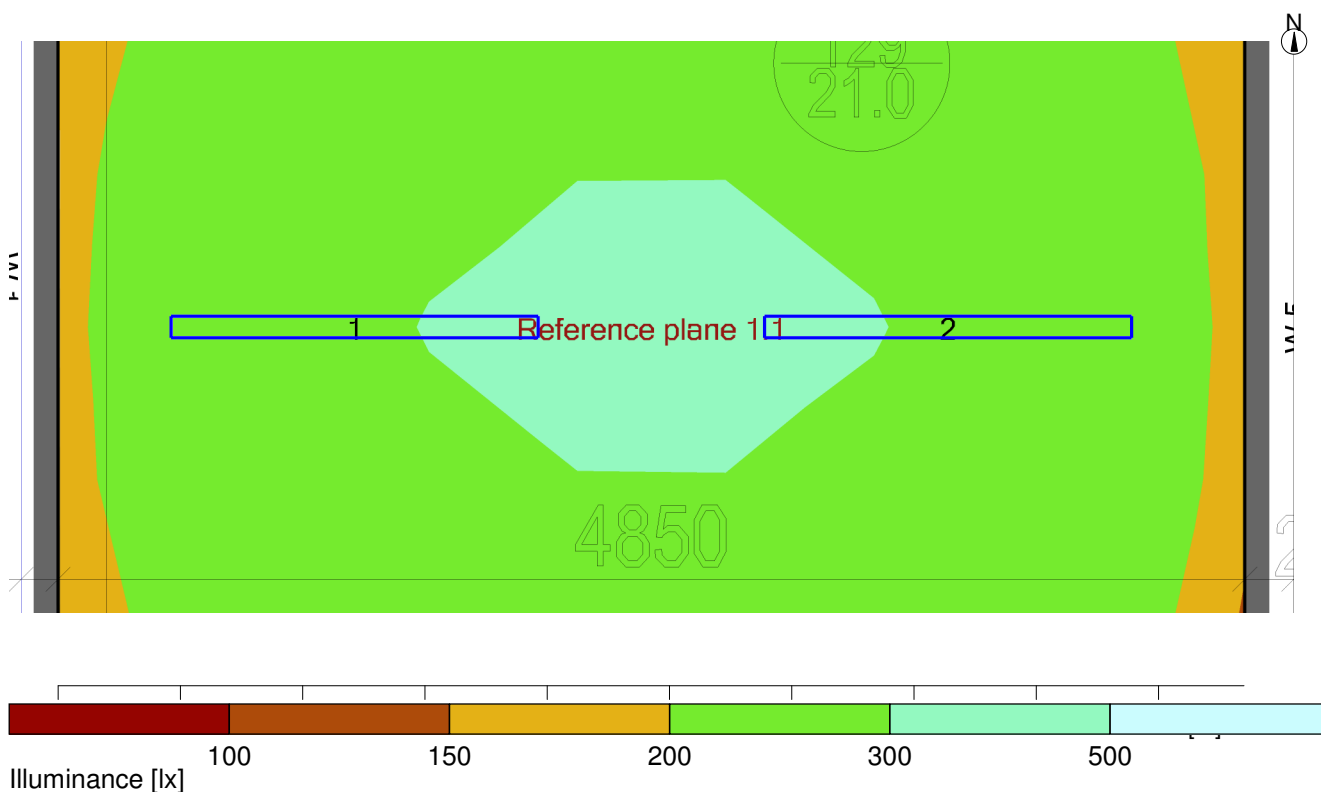
Wall	x	y	Length	Reflectance
1	45.62 m	21.94 m	3.96 m	50.0 %
2	46.02 m	21.95 m	0.40 m	50.0 %
3	46.00 m	21.56 m	0.39 m	50.0 %
4	50.47 m	21.54 m	4.47 m	50.0 %
5	50.47 m	25.89 m	4.35 m	50.0 %
6	45.62 m	25.89 m	4.85 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		3.50 m		
Height of reference plane		0.00 m		

Object : VATP-7
Installation : Apgaismojums
Project number : 1
Date : 18.01.2018

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Summary, 129

Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height of luminaire plane	3.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	11400 lm
Total power	106.0 W
Total power per area (20.91 m²)	5.07 W/m² (2.20 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

User profile: General areas inside buildings - Control rooms
5.3.1 (EN 12464-1, 8.2011) Plant rooms, switch gear rooms (Ra >60.00)

	Horizontal	
Em	231 lx	(>= 200 lx)
Emin	157 lx	
Emin/Eav (Uo)	0.68	(>= 0.40)
Emin/Emax (Ud)	0.53	
UGR (2.5H 2.8H)	<=21.2	(< 25.00)
Position	0.00 m	

Type No.\Make

TRILUX

11	2	Order No.	: Olexeon 1500 B 6000-840 ET
		Luminaire name	: TOC 6815240
		Equipment	: 1 x LED 53 W / 5700 lm