

emergency calculation

Partner kontaktowy:
Numer zlecenia:
Firma:
Numer klienta:

Date: 01.03.2019
Operator: Andrzej Kwinta

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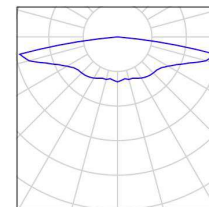
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emergency calculation / Luminaire parts list

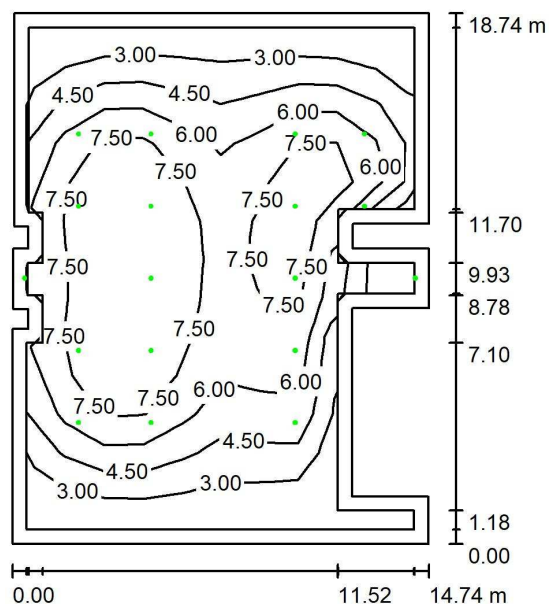
23 Pieces AWEX AXP AXPO_1W_B
Article No.: AXP
Luminous flux (Luminaire): 0 lm
Luminous flux (Lamps): 0 lm
Luminaire Wattage: 0.0 W
Emergency Lighting: 145 lm, 2.1 W
Luminaire classification according to CIE: 100
CIE flux code: 21 45 82 100 100
Fitting: 1 x AXPO/1W/B (Correction Factor 1.000).

See our luminaire catalog
for an image of the
luminaire.



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Room 1 / emergency / Summary


Height of Room: 3.000 m, Mounting Height: 3.000 m, Maintenance factor: 0.80

Values in Lux, Scale 1:241

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Płaszczyzna pracy	/	5.88	1.79	9.31	0.304
Podłoga	20	4.39	0.00	7.18	0.000
Sufit	70	0.00	0.00	0.00	0.000
Walls (20)	50	4.07	0.00	196	/

Płaszczyzna pracy:

 Height: 0.850 m
 Grid: 10 x 13 Points
 Boundary Zone: 0.500 m

Emergency lighting scene (EN 1838):

Only direct light is calculated. Contributions of reflected light are ignored.

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.781, Ceiling / Working Plane: 0.000.

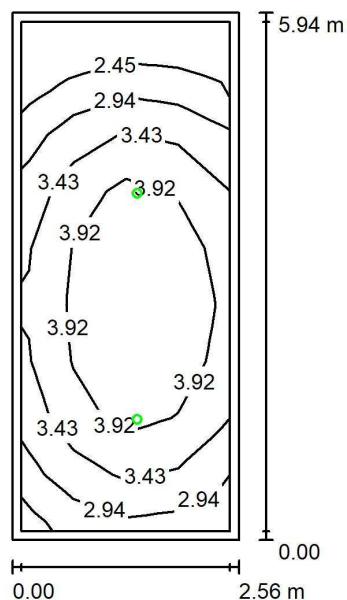
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	18	AWEX AXP AXPO_1W_B (1.000)	145	145	2.1
			Total: 2610	Total: 2610	37.8

 Specific connected load: $0.15 \text{ W/m}^2 = 2.53 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 254.17 m^2)

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Room 2 / emergency / Summary


Height of Room: 3.000 m, Mounting Height: 3.000 m, Maintenance factor: 0.80

Values in Lux, Scale 1:77

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Płaszczyzna pracy	/	3.51	1.99	4.45	0.567
Podłoga	20	2.15	1.22	2.68	0.566
Sufit	70	0.00	0.00	0.00	0.000
Walls (4)	50	3.91	0.00	24	/

Płaszczyzna pracy:
 Height: 0.850 m
 Grid: 4 x 9 Points
 Boundary Zone: 0.100 m

Emergency lighting scene (EN 1838):

Only direct light is calculated. Contributions of reflected light are ignored.

Illuminance Quotient (according to LG7): Walls / Working Plane: 1.474, Ceiling / Working Plane: 0.000.

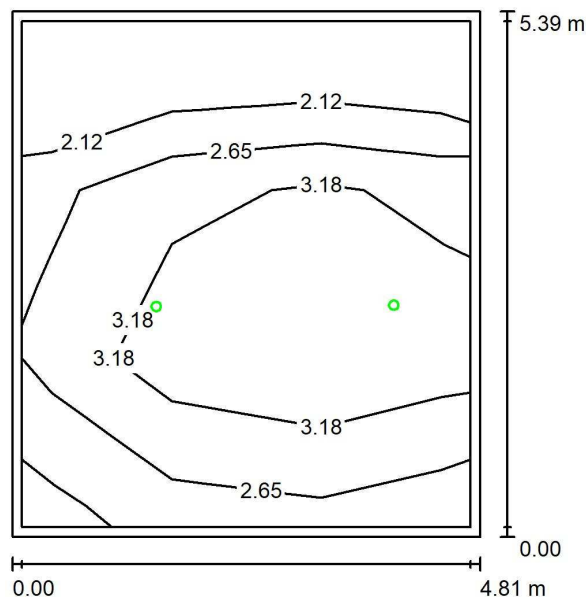
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	AWEX AXP AXPO_1W_B (1.000)	145	145	2.1
Total:			290	290	4.2

Specific connected load: $0.28 \text{ W/m}^2 = 7.87 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 15.22 m^2)

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Room 3 / emergency / Summary


Height of Room: 3.000 m, Mounting Height: 3.000 m, Maintenance factor: 0.80

Values in Lux, Scale 1:70

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Płaszczyzna pracy	/	3.00	1.85	4.50	0.615
Podłoga	20	1.95	0.89	2.72	0.455
Sufit	70	0.00	0.00	0.00	0.000
Walls (4)	50	2.96	0.00	39	/

Płaszczyzna pracy:

 Height: 0.850 m
 Grid: 3 x 3 Points
 Boundary Zone: 0.100 m

Emergency lighting scene (EN 1838):

Only direct light is calculated. Contributions of reflected light are ignored.

Illuminance Quotient (according to LG7): Walls / Working Plane: 1.258, Ceiling / Working Plane: 0.000.

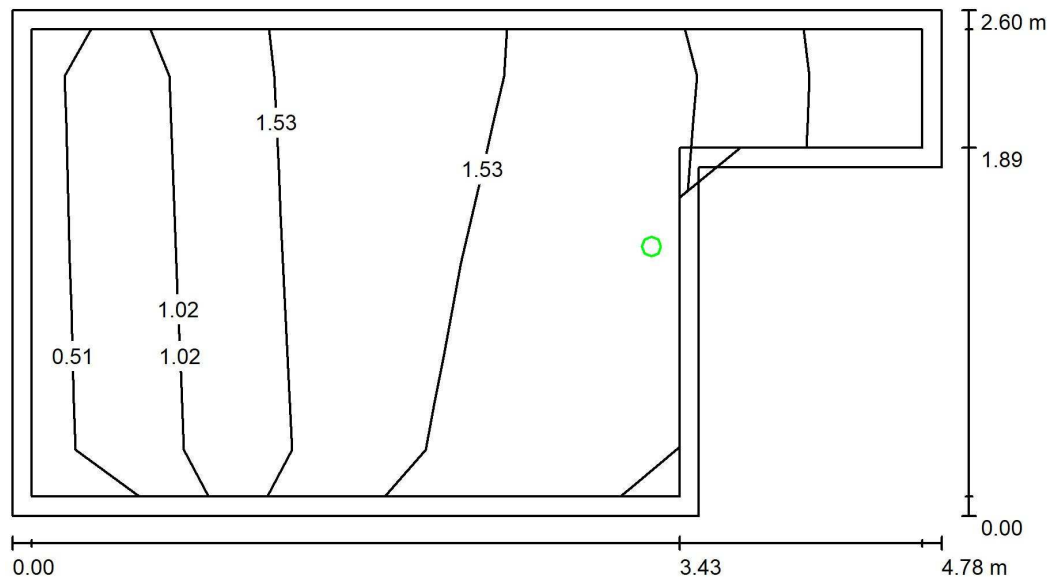
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	2	AWEX AXP AXPO_1W_B (1.000)	145	145	2.1
Total:			290	290	4.2

 Specific connected load: $0.16 \text{ W/m}^2 = 5.39 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 25.95 m^2)

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Room 4 / emergency / Summary


Height of Room: 3.000 m, Mounting Height: 3.000 m, Maintenance factor: 0.80

Values in Lux, Scale 1:35

Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0
Płaszczyzna pracy	/	1.41	0.00	2.53	0.000
Podłoga	20	1.05	0.00	1.71	0.000
Sufit	70	0.00	0.00	0.00	0.000
Walls (6)	50	2.28	0.00	305	/

Płaszczyzna pracy:
 Height: 0.850 m
 Grid: 3 x 2 Points
 Boundary Zone: 0.100 m
Emergency lighting scene (EN 1838):

Only direct light is calculated. Contributions of reflected light are ignored.

Illuminance Quotient (according to LG7): Walls / Working Plane: 1.825, Ceiling / Working Plane: 0.000.

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	1	AWEX AXP AXPO_1W_B (1.000)	145	145	2.1
Total:			145	145	2.1

Specific connected load: $0.21 \text{ W/m}^2 = 14.63 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 10.19 m^2)