

**Faisal Football Field**

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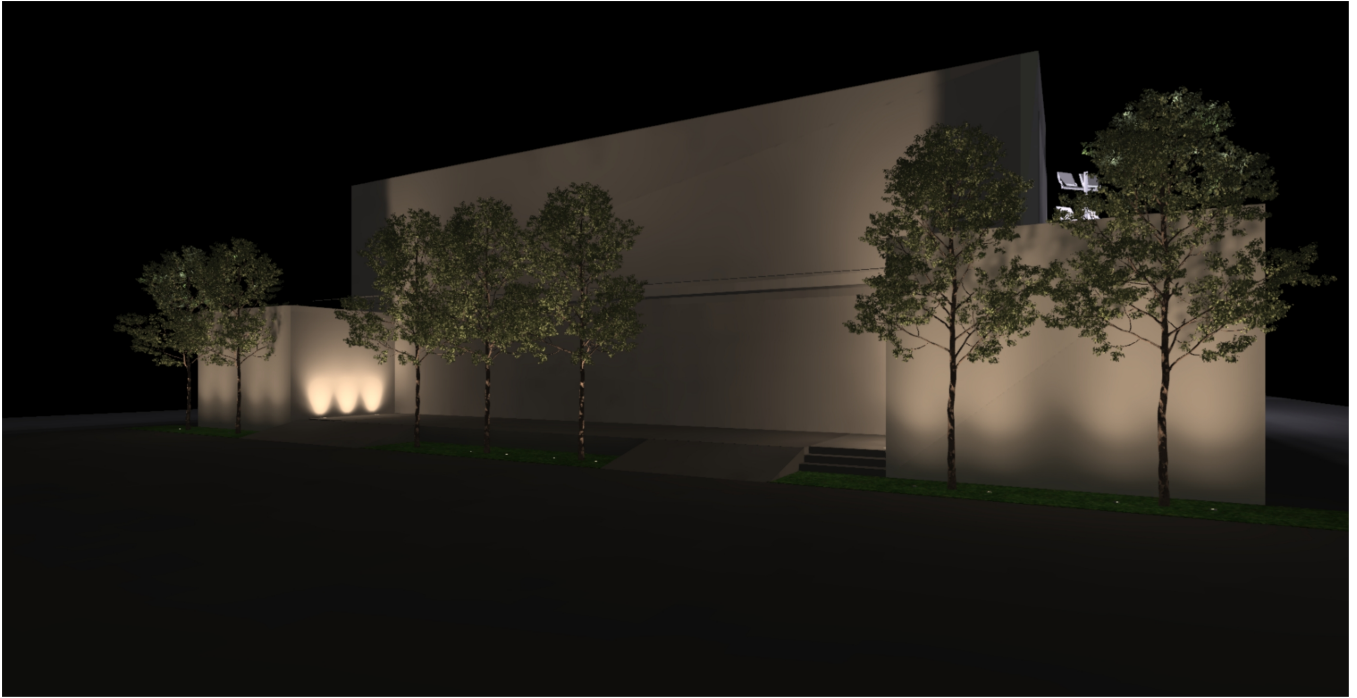
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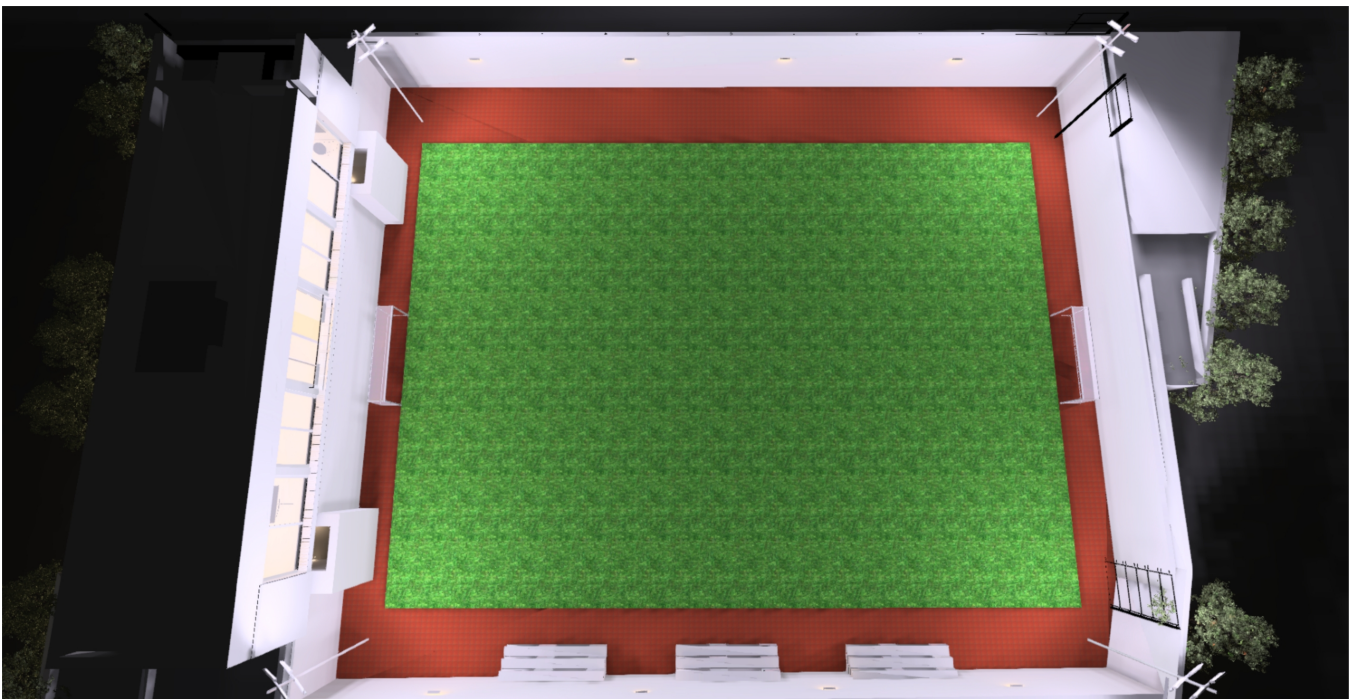
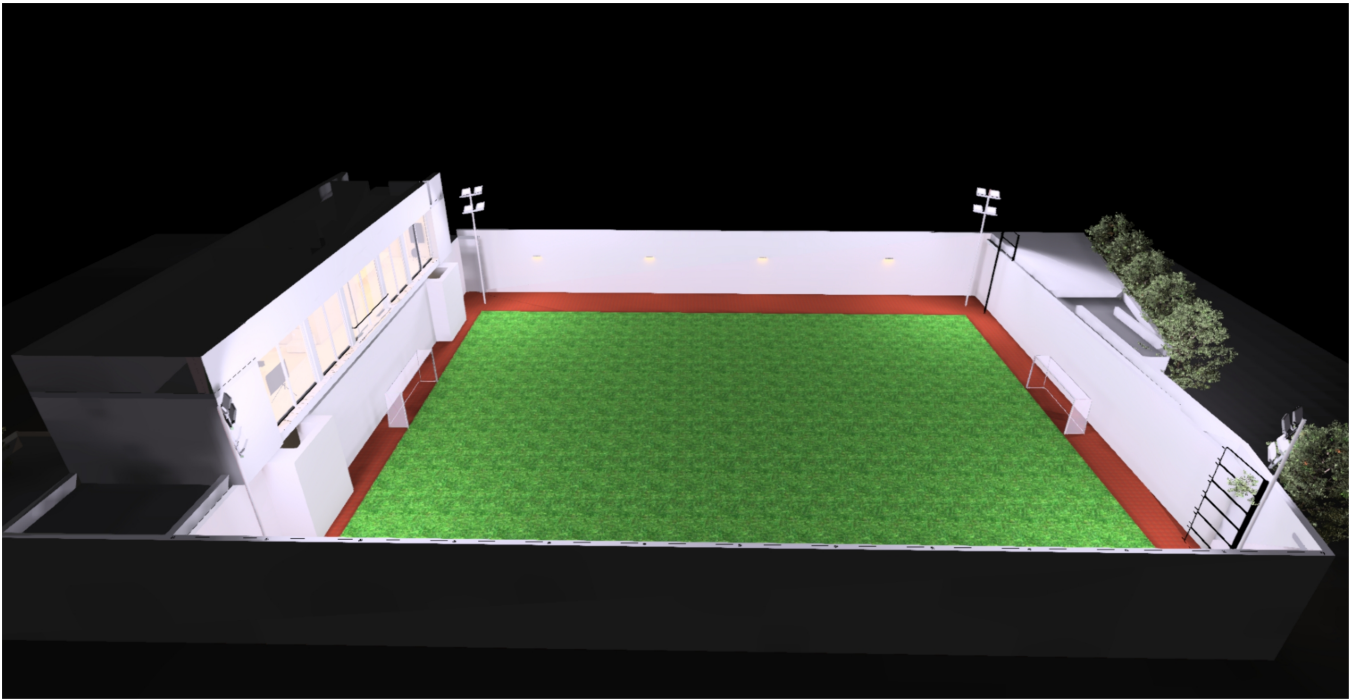
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## Images

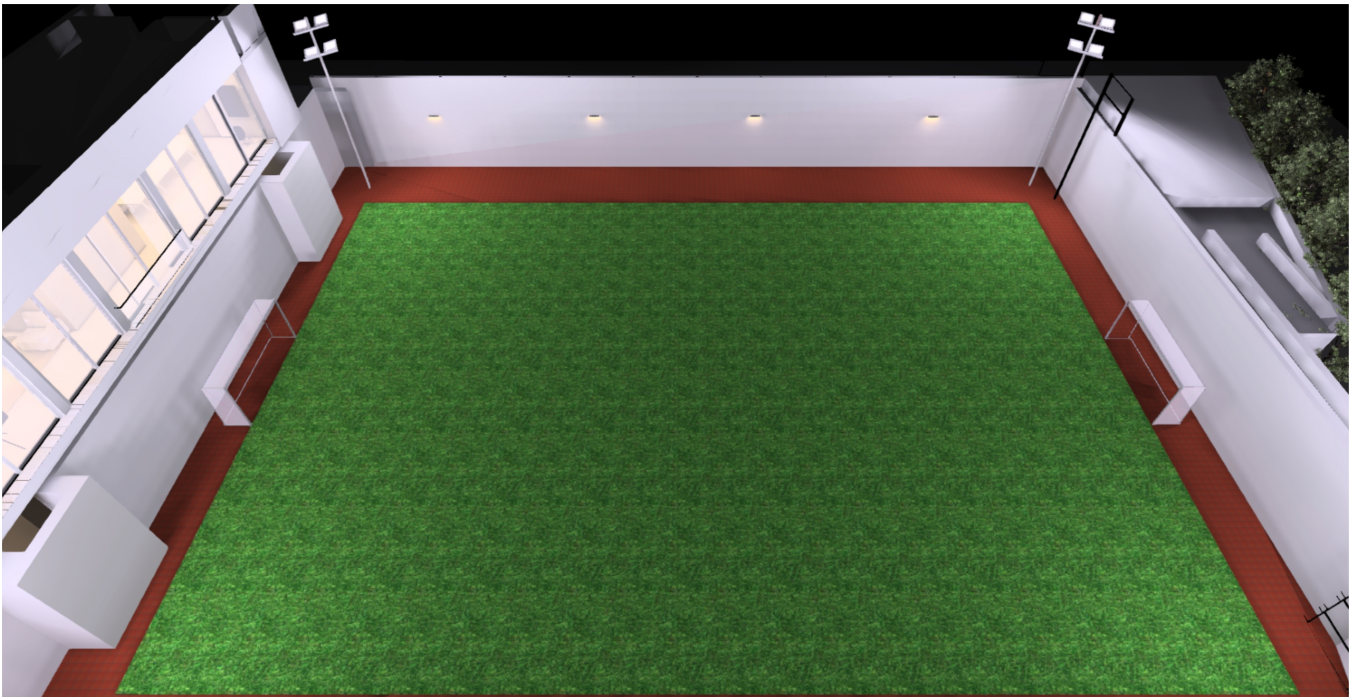
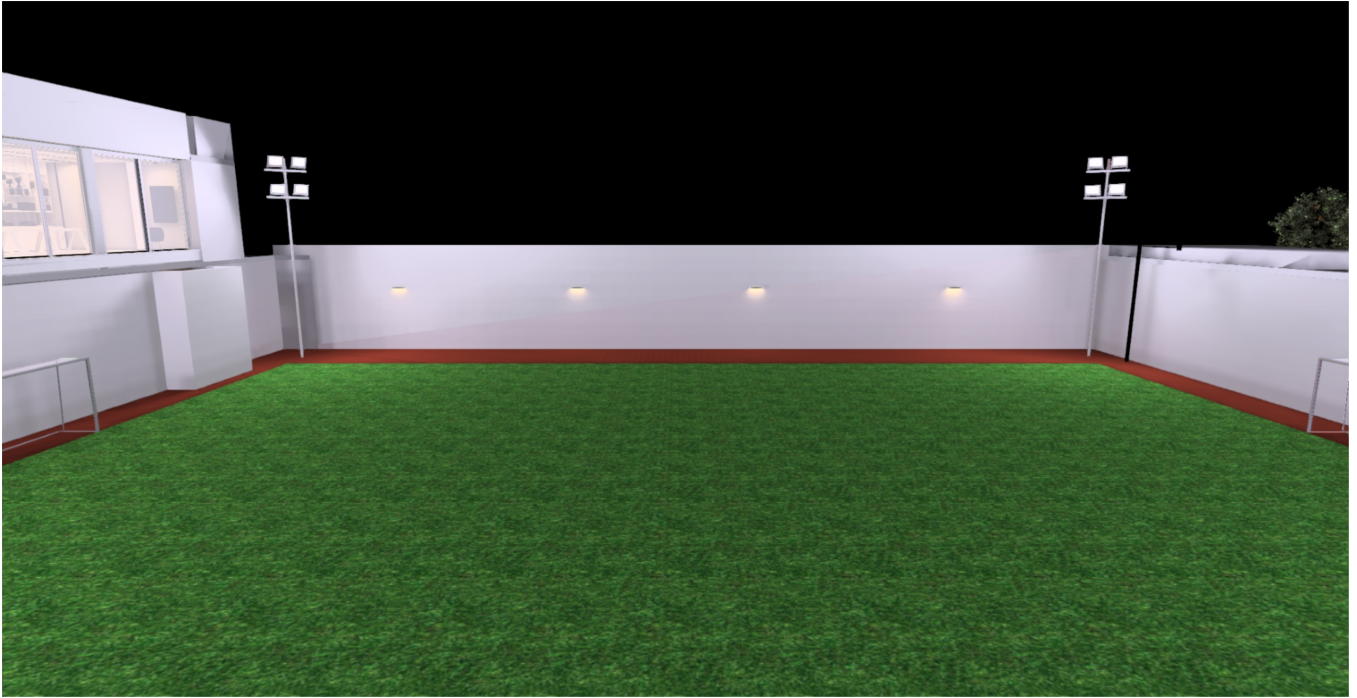


## Images

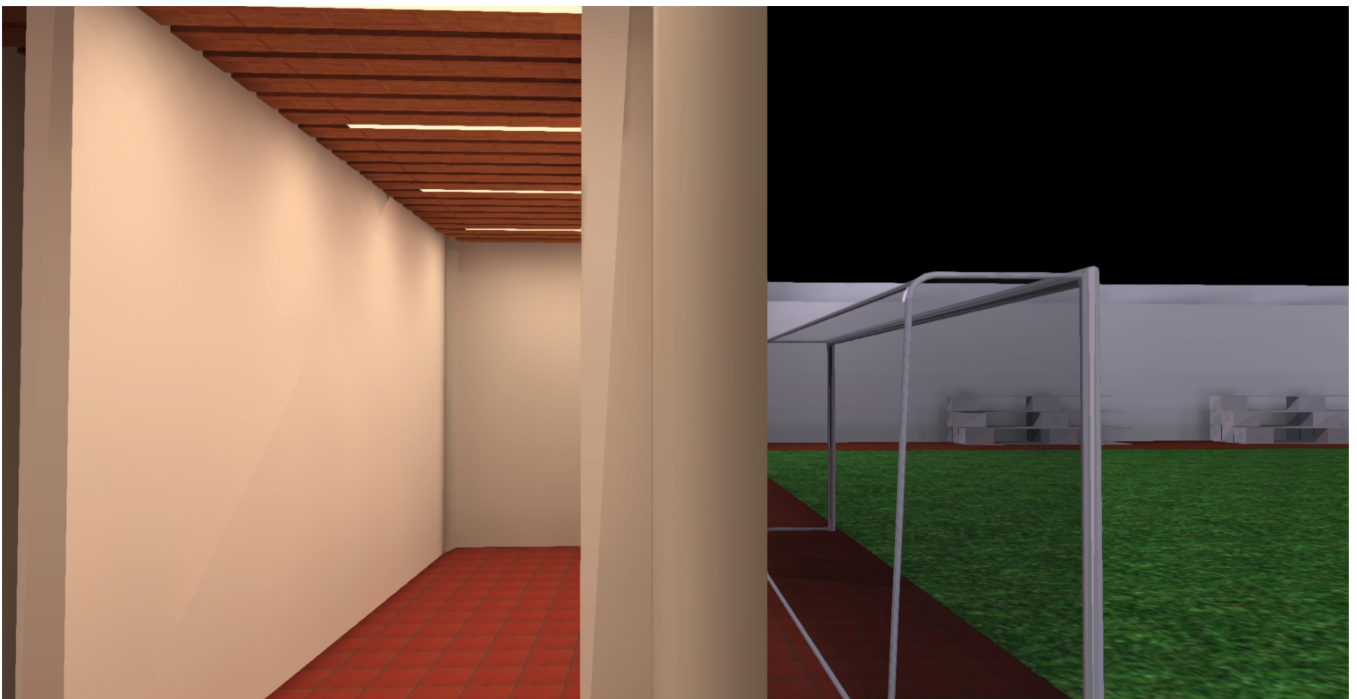
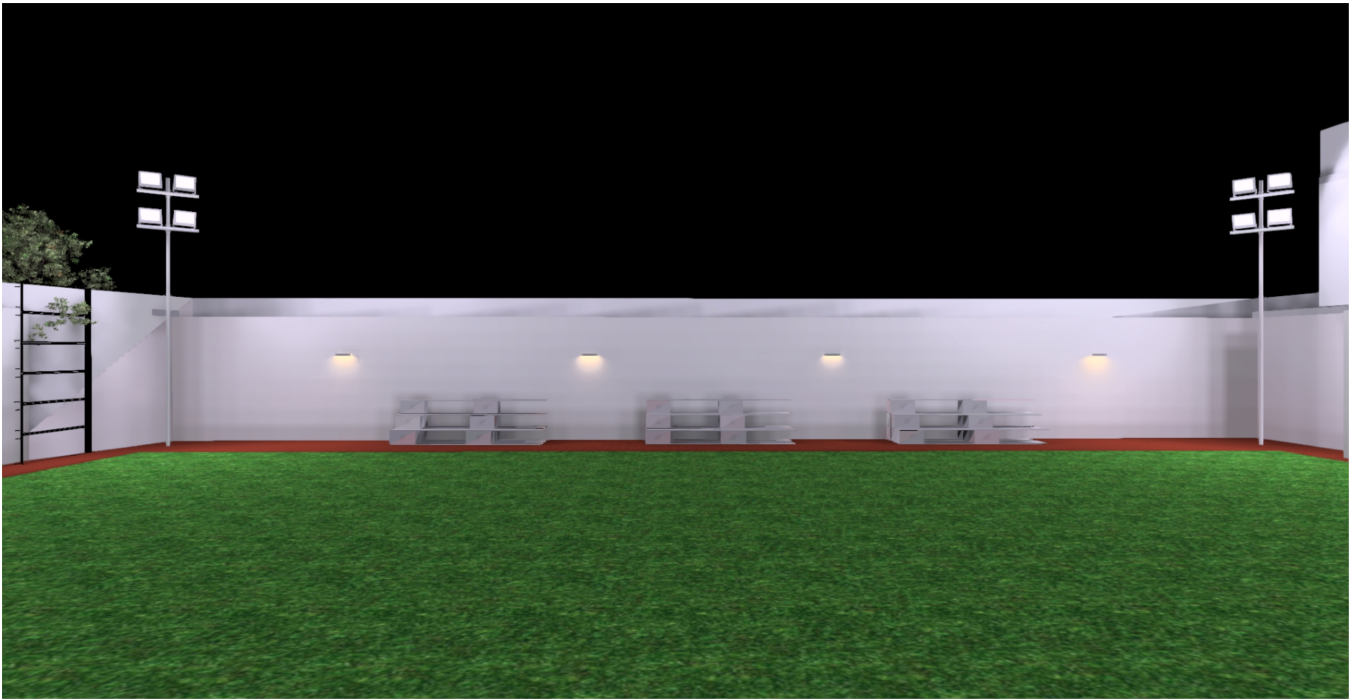




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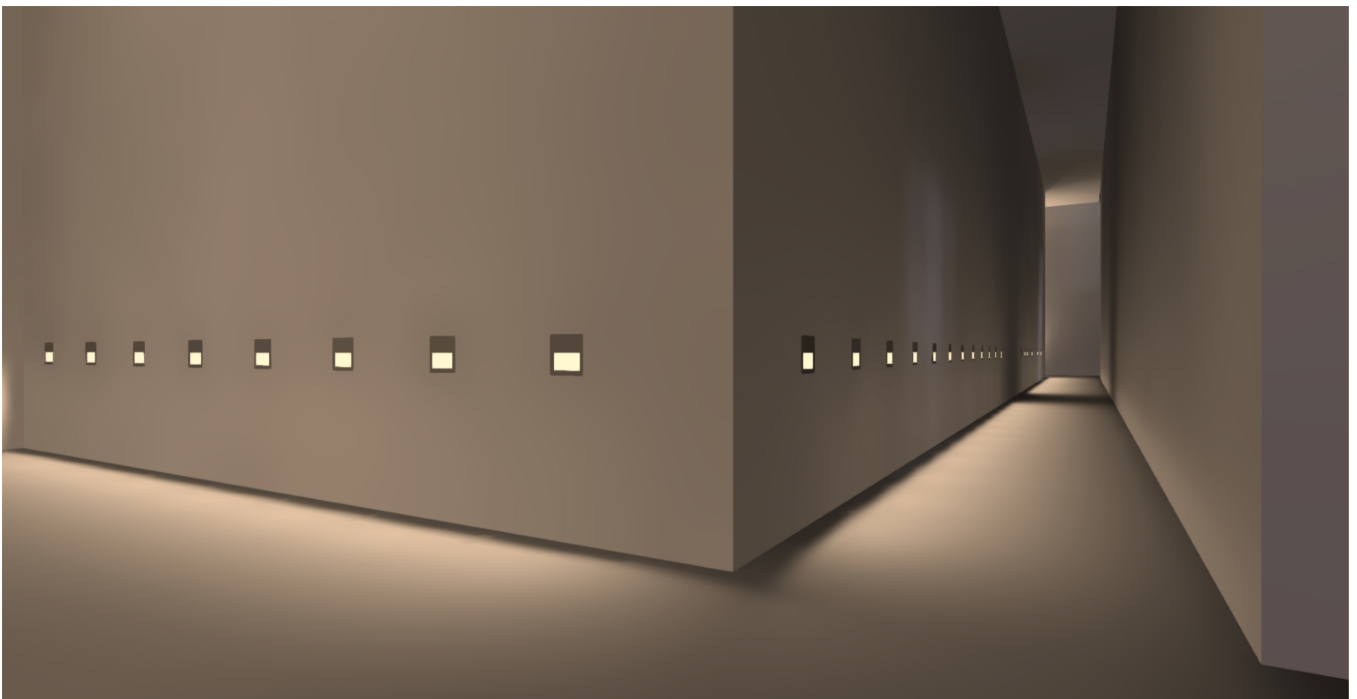
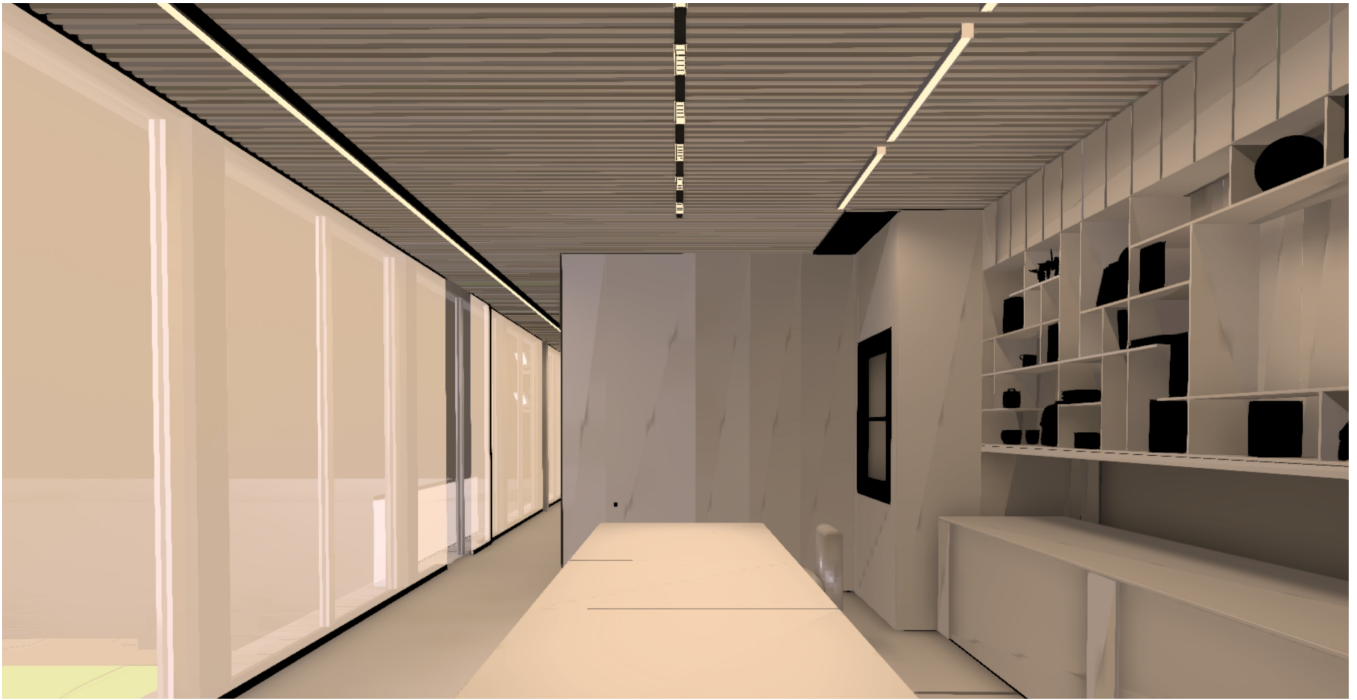


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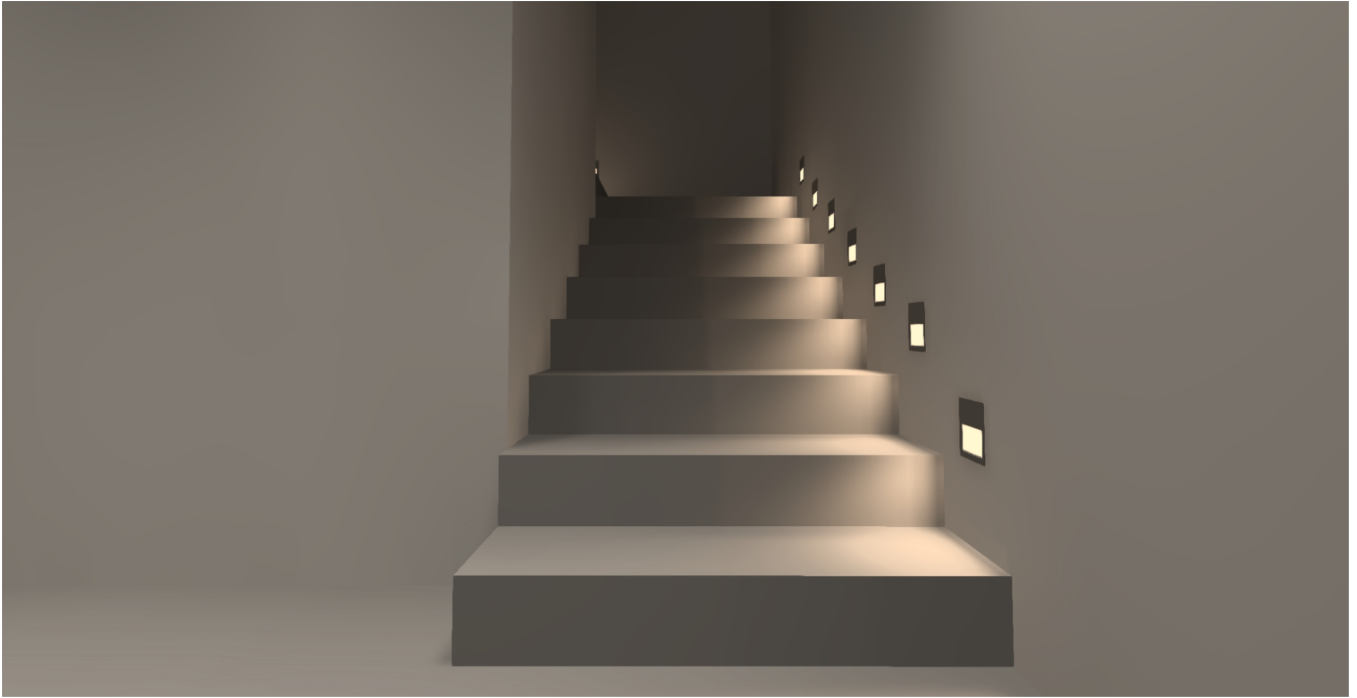




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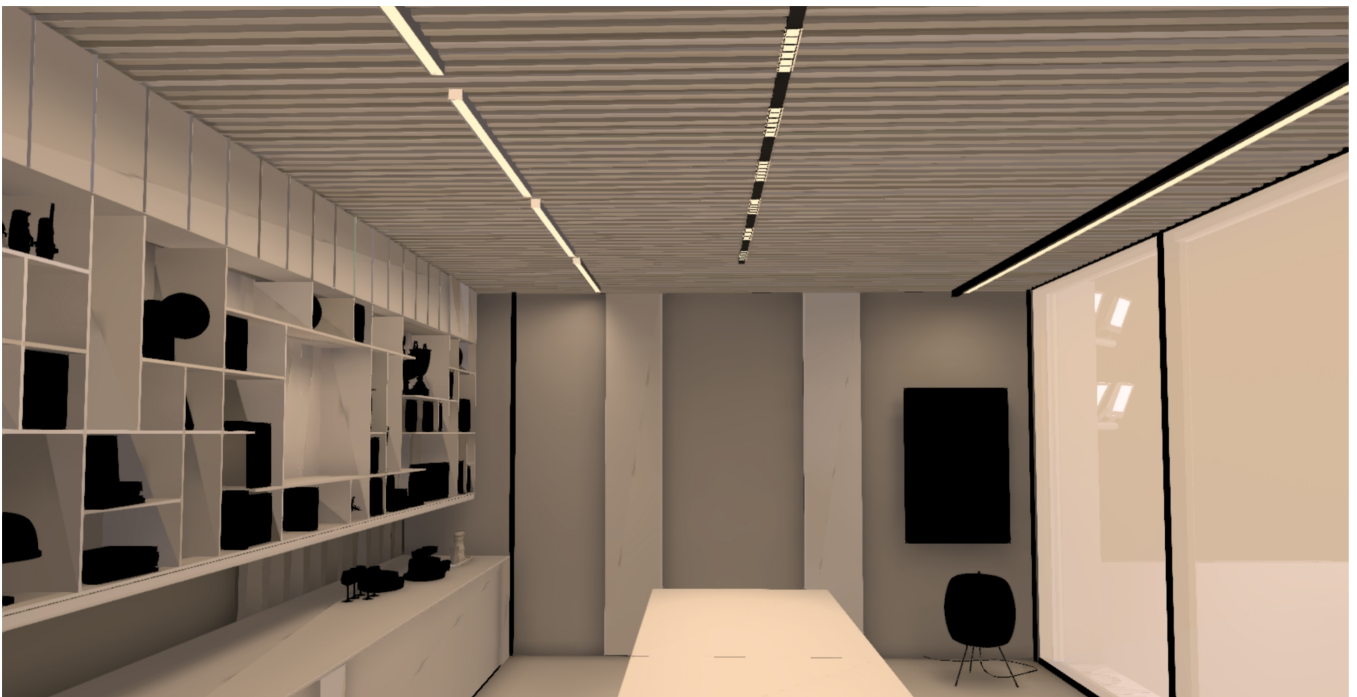
## Images



## Images



## Images





## Luminaire list

$\Phi_{\text{total}}$ 1574924 lm	$P_{\text{total}}$ 13370.1 W	Luminous efficacy 117.8 lm/W
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pcs.	Manufacturer	Article No.	Article name	P	$\Phi$	Luminous efficacy
12	FLOS S.p.A.	F3335009	GLO-BALL C/W ZERO	61.0 W	588 lm	9.6 lm/W
66	NEKO	Capetown Series	Capetown SR-830-65°	4.2 W	162 lm	38.4 lm/W
10	NEKO	FUSION Linear System	FL-SL300-2S-8W-830-15°	11.3 W	811 lm	72.1 lm/W
2	NEKO	FUSION Linear System	FL-SL450-3S-12W-830-15°	16.9 W	1216 lm	72.1 lm/W
2	NEKO	FUSION Linear System	FL-SL450-3S-12W-830-30°	16.9 W	1220 lm	72.3 lm/W
5	NEKO	FUSION Linear System	FL1200(P)-WW1200-36W-830	36.5 W	2285 lm	62.6 lm/W
4	NEKO	FUSION Linear System	FL300(P)-AL300-15W-830-15°	15.1 W	1160 lm	76.8 lm/W
2	NEKO	FUSION Linear System	FL300(P)-AL300-15W-830-30°	15.2 W	1096 lm	72.1 lm/W
14	NEKO	FUSION Linear System	FL300(P)-AL300-15W-830-40°	14.9 W	1201 lm	80.8 lm/W
3	NEKO		M4 PRO-13W-030-35D	15.3 W	1156 lm	75.5 lm/W
2	NEKO		M4 PRO-18W-030-18D	20.7 W	1607 lm	77.7 lm/W
8	NEKO		M4 PRO-7W-030-10D	9.2 W	557 lm	60.6 lm/W
6	NEKO		Space 60 2.0 EVO CL1470-32W-830-F	32.2 W	3513 lm	109.0 lm/W

## Luminaire list

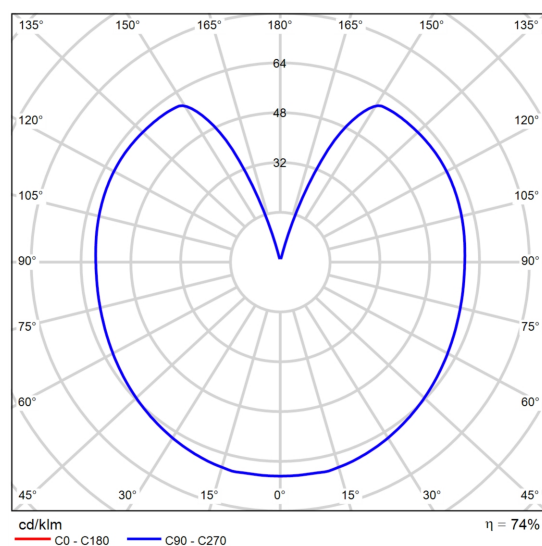
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
1	NEKO	D4S01271-830HPX-YO	DASH 40 Linear Light	32.4 W	3108 lm	95.9 lm/W
5	NEKO	D4S03792-830HPX-YO	DASH 40 Linear Light	90.4 W	9324 lm	103.1 lm/W
30	NEKO	MINT	MINT 280-18W-840-120°	18.7 W	1902 lm	101.5 lm/W
15	NEKO	MINT	MINT 280-24W-840-120°	23.8 W	2340 lm	98.4 lm/W
8	NEKO	NICE	NICE 500S-14W-830-110°	13.6 W	1309 lm	96.4 lm/W
9	NEKO	SKYDRIVER	SDSC-10W-930-36°	10.0 W	879 lm	87.6 lm/W
5	NEKO	SKYJACK	SKYJACK F-9W-930-38°	10.7 W	812 lm	76.1 lm/W
20	NEKO	TERARACE Maxi	TERARACE Maxi-830-20°	10.7 W	842 lm	78.8 lm/W
26	NEKO	TERARACE Maxi	TERARACE Maxi-830-50°	10.6 W	942 lm	88.7 lm/W
16	Performance in Lighting	3118170	WIN PRO 40 A35/W 575W 740 GR-94	575.0 W	79460 lm	138.2 lm/W

## Product data sheet

FLOS S.p.A. - GLO-BALL C/W ZERO



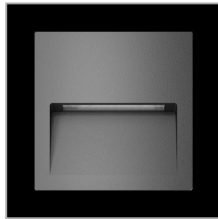
Article No.	F3335009
P	61.0 W
$\Phi_{\text{Lamp}}$	790 lm
$\Phi_{\text{Luminaire}}$	588 lm
$\eta$	74.37 %
Luminous efficacy	9.6 lm/W
CCT	2700 K
CRI	80



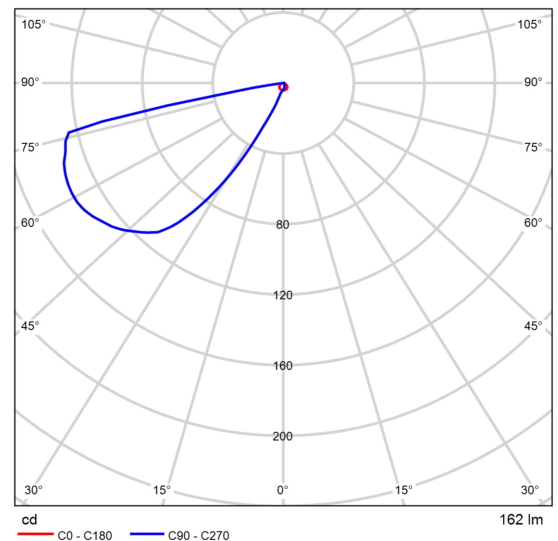
Polar LDC

## Product data sheet

NEKO - Capetown SR-830-65°



Article No.	Capetown Series
P	4.2 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	162 lm
$\eta$	–
Luminous efficacy	38.4 lm/W
CCT	2913 K
CRI	92



Polar LDC

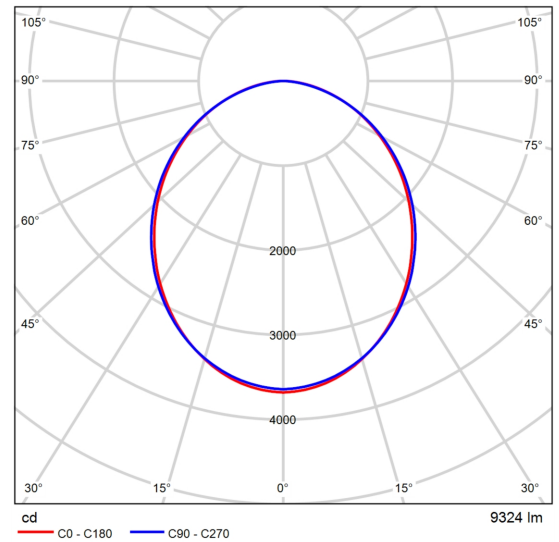
Recessed Step Light square made of die-cast aluminium with integrated ON-OFF Driver; dark-grey powder-coating finish (RAL 7024); LED 3W; measurement 115mm x 115mm; depth of the luminaire is 37mm; cutout of 110mm x 110mm x 55mm; CCT 3000K with an System Output of 160lm; decent color rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient EDISON LED Chips; 3 years warranty; beam characteristic with 65° beam angle; degree of housing protection according to DIN EN 60529 (IP65); Impact resistance of the luminaire is in the class IK07.

## Product data sheet

### NEKO - DASH 40 Linear Light



Article No.	D4S03792-830HPX-YO
P	90.4 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	9324 lm
$\eta$	–
Luminous efficacy	103.1 lm/W
CCT	3000 K
CRI	80



Polar LDC

Glare evaluation according to RUG												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	30	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	22.5	23.9	22.8	24.1	24.4	22.8	24.1	23.1	24.3	24.6	
	3H	24.0	25.2	24.4	25.5	25.8	24.2	25.4	24.6	25.7	26.0	
	4H	24.6	25.8	25.0	26.1	26.4	24.8	25.9	25.1	26.2	26.5	
	6H	25.1	26.2	25.5	26.5	26.8	25.2	26.2	25.5	26.5	26.9	
	8H	25.3	26.3	25.6	26.6	26.9	25.3	26.3	25.7	26.6	27.0	
	12H	25.4	26.3	25.7	26.7	27.0	25.3	26.3	25.7	26.7	27.0	
4H	2H	23.2	24.3	23.5	24.6	24.9	23.4	24.5	23.7	24.8	25.1	
	3H	24.9	25.8	25.3	26.2	26.5	25.1	26.0	25.4	26.4	26.7	
	4H	25.6	26.5	26.0	26.8	27.2	25.7	26.6	26.1	27.0	27.3	
	6H	26.2	27.0	26.6	27.3	27.7	26.3	27.0	26.7	27.4	27.8	
	8H	26.4	27.1	26.8	27.5	27.9	26.4	27.1	26.8	27.5	27.9	
	12H	26.5	27.2	27.0	27.6	28.0	26.5	27.2	27.0	27.6	28.0	
8H	4H	25.9	26.6	26.3	27.0	27.4	26.0	26.7	26.5	27.1	27.5	
	6H	26.6	27.2	27.1	27.6	28.1	26.7	27.3	27.1	27.7	28.1	
	8H	26.9	27.4	27.4	27.9	28.3	26.9	27.4	27.4	27.9	28.4	
	12H	27.1	27.6	27.6	28.0	28.5	27.1	27.5	27.6	28.0	28.5	
	4H	25.9	26.6	26.4	27.0	27.4	26.0	26.7	26.5	27.1	27.5	
	6H	26.7	27.2	27.1	27.6	28.1	26.7	27.2	27.2	27.7	28.2	
12H	8H	27.0	27.4	27.5	27.9	28.4	27.0	27.4	27.5	27.9	28.4	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H		+0.2 / -0.4					+0.2 / -0.4					
S = 2.0H		+0.4 / -0.7					+0.4 / -0.7					
Standard table		BK06					BK05					
Correction summand		9.8					9.3					
Corrected glare indices referring to 9324lm Total luminous flux												

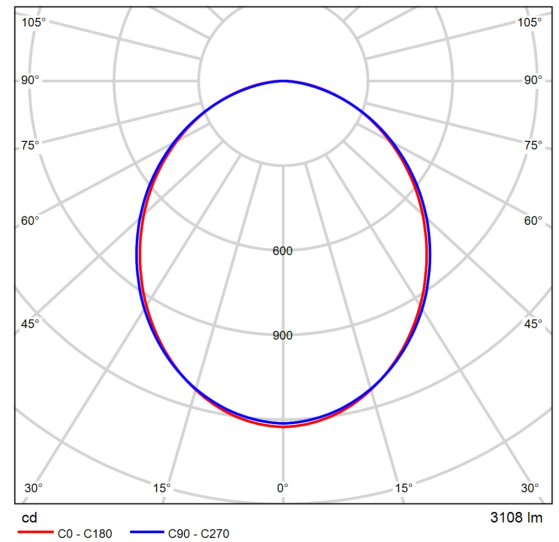
RUG diagram (SHR: 0.25)

## Product data sheet

### NEKO - DASH 40 Linear Light



Article No.	D4S01271-830HPX-YO
P	32.4 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	3108 lm
$\eta$	–
Luminous efficacy	95.9 lm/W
CCT	3000 K
CRI	80



Polar LDC

Glare evaluation according to RUG												
p Ceiling	70	70	50	50	30	70	70	50	50	30		
p Walls	50	30	50	30	30	50	30	50	30	30		
p Floor	20	20	20	20	20	20	20	20	20	20		
Room size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis						
2H	2H	22.5	23.9	22.8	24.1	24.3	22.7	24.1	23.0	24.3	24.6	
	3H	24.0	25.2	24.3	25.5	25.8	24.2	25.4	24.5	25.7	26.0	
	4H	24.6	25.8	25.0	26.1	26.3	24.8	25.9	25.1	26.2	26.5	
	6H	25.1	26.2	25.4	26.5	26.8	25.2	26.2	25.5	26.5	26.8	
	8H	25.2	26.3	25.6	26.6	26.9	25.3	26.3	25.6	26.6	26.9	
	12H	25.3	26.3	25.7	26.7	27.0	25.3	26.3	25.7	26.6	27.0	
4H	2H	23.2	24.3	23.5	24.6	24.9	23.4	24.5	23.7	24.8	25.1	
	3H	24.9	25.8	25.2	26.2	26.5	25.0	26.0	25.4	26.3	26.7	
	4H	25.6	26.5	26.0	26.8	27.2	25.7	26.6	26.1	27.0	27.3	
	6H	26.2	26.9	26.6	27.3	27.7	26.2	27.0	26.7	27.4	27.8	
	8H	26.4	27.1	26.8	27.5	27.9	26.4	27.1	26.8	27.5	27.9	
	12H	26.5	27.2	27.0	27.6	28.0	26.5	27.2	26.9	27.6	28.0	
8H	4H	25.9	26.6	26.3	27.0	27.4	26.0	26.7	26.4	27.1	27.5	
	6H	26.6	27.2	27.1	27.6	28.1	26.7	27.2	27.1	27.7	28.1	
	8H	26.9	27.4	27.4	27.8	28.3	26.9	27.4	27.4	27.9	28.3	
	12H	27.1	27.6	27.6	28.0	28.5	27.1	27.5	27.6	28.0	28.5	
	4H	25.9	26.5	26.3	27.0	27.4	26.0	26.7	26.5	27.1	27.5	
	6H	26.6	27.2	27.1	27.6	28.1	26.7	27.2	27.2	27.7	28.2	
12H	8H	27.0	27.4	27.5	27.9	28.4	27.0	27.4	27.5	27.9	28.4	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H		+0.2 / -0.4					+0.2 / -0.4					
S = 2.0H		+0.4 / -0.7					+0.4 / -0.7					
Standard table		BK06					BK05					
Correction summand		9.8					9.3					
Corrected glare indices referring to 3108lm Total luminous flux												

RUG diagram (SHR: 0.25)



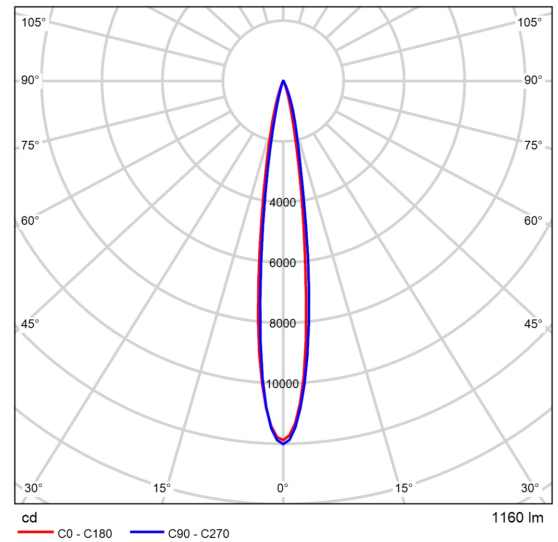
## Product data sheet

NEKO - FL300(P)-AL300-15W-830-15°



Article No.	FUSION Linear System
P	15.1 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1160 lm
$\eta$	–
Luminous efficacy	76.8 lm/W
CCT	2913 K
CRI	92

FUSION Linear profile with Accent Light Module inserts as pendant installation; System Power 15W; measurement 300mm x 50mm; CCT 3000K; decent color rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient OSRAM LED Chips; 5 years warranty; narrow beam characteristic with 15° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1 (UGR<19); degree of housing protection according to DIN EN 60529 (IP20)



Polar LDC

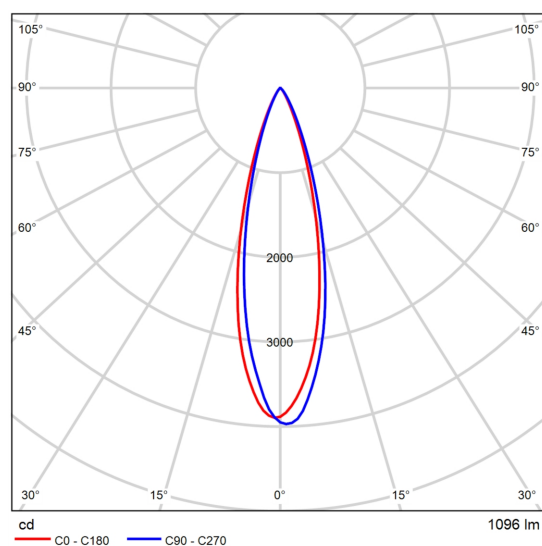
## Product data sheet

NEKO - FL300(P)-AL300-15W-830-30°



Article No.	FUSION Linear System
P	15.2 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1096 lm
$\eta$	–
Luminous efficacy	72.1 lm/W
CCT	2913 K
CRI	92

FUSION Linear profile with Accent Light Module inserts as pendant installation; System Power 15W; measurement 300mm x 50mm; CCT 3000K; decent color rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient OSRAM LED Chips; 5 years warranty; narrow beam characteristic with 30° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1 (UGR<19); degree of housing protection according to DIN EN 60529 (IP20)



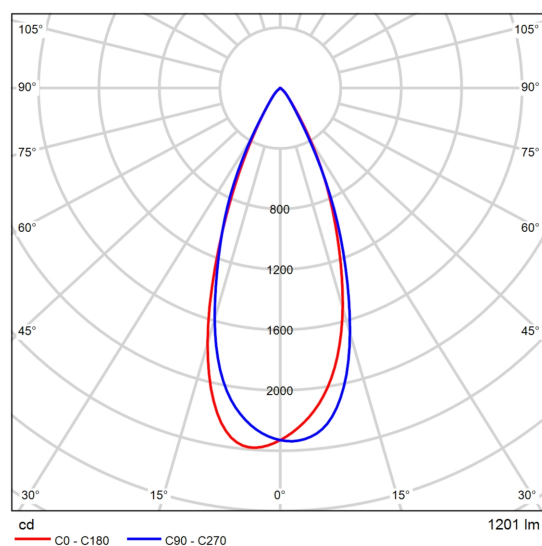
Polar LDC

## Product data sheet

NEKO - FL300(P)-AL300-15W-830-40°



Article No.	FUSION Linear System
P	14.9 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1201 lm
$\eta$	–
Luminous efficacy	80.8 lm/W
CCT	2913 K
CRI	92

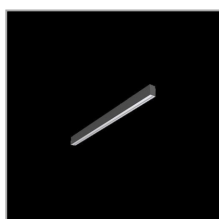


Polar LDC

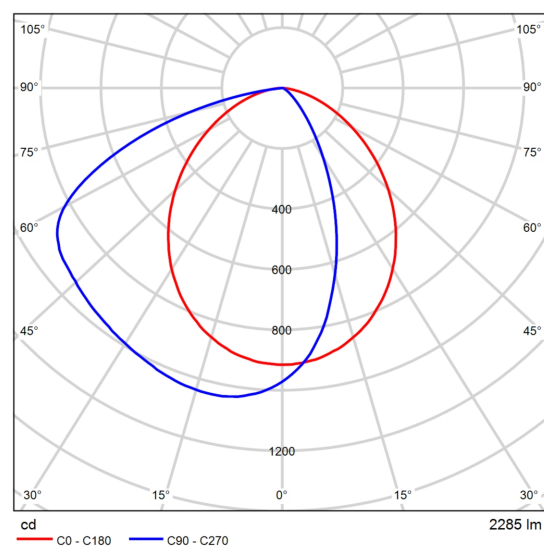
FUSION Linear profile with Accent Light Module inserts as pendant installation; System Power 15W; measurement 300mm x 50mm; CCT 3000K; decent color rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient OSRAM LED Chips; 5 years warranty; narrow beam characteristic with 40° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1 (UGR<19); degree of housing protection according to DIN EN 60529 (IP20)

## Product data sheet

NEKO - FL1200(P)-WW1200-36W-830



Article No.	FUSION Linear System
P	36.5 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	2285 lm
$\eta$	–
Luminous efficacy	62.6 lm/W
CCT	2913 K
CRI	92



Polar LDC

FUSION linear profile with Wall Washer (WW1200) insert as pendant installation; System power 36W; measurement 1200mm x 50mm; CCT 3000K; decent colour rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient SAMSUNG LED Chips; 5 years warranty; wide beam characteristic with 105° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work; degree of housing protection according to DIN EN 60529 (IP20)

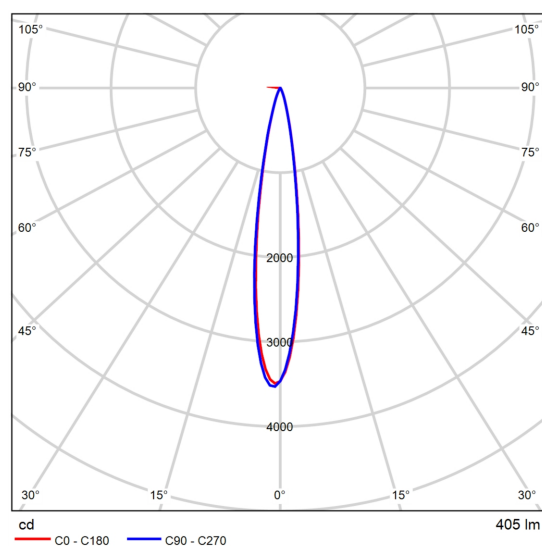
## Product data sheet

NEKO - FL-SL300-2S-8W-830-15°



Article No.	FUSION Linear System
P	11.3 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	811 lm
$\eta$	–
Luminous efficacy	72.1 lm/W
CCT	2913 K
CRI	92

FUSION Linear Spotlight Module with two spotlight as profile insert; System power 10W; measurement 300mm x 45mm; rotation 360° and pivot max. 90°; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient CREE LED Chips; 5 years warranty; narrow beam characteristic with 15° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1 (UGR<19); degree of housing protection according to DIN EN 60529 (IP40)



Polar LDC for Light emission 1 and 2

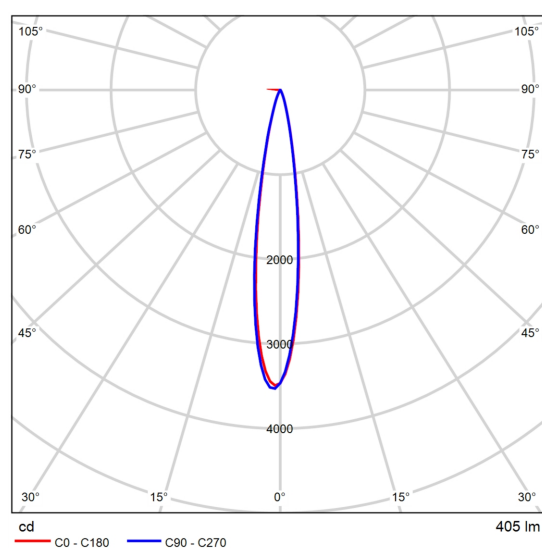
## Product data sheet

NEKO - FL-SL450-3S-12W-830-15°



Article No.	FUSION Linear System
P	16.9 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1216 lm
$\eta$	–
Luminous efficacy	72.1 lm/W
CCT	2913 K
CRI	92

FUSION Linear Spotlight Module with three spotlight as profile insert; System power 15W; measurement 450mm x 45mm; rotation 360° and pivot max. 90°; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient CREE LED Chips; 5 years warranty; narrow beam characteristic with 15° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1 (UGR<19); degree of housing protection according to DIN EN 60529 (IP40)



Polar LDC for Light emission 1, 2 and 3



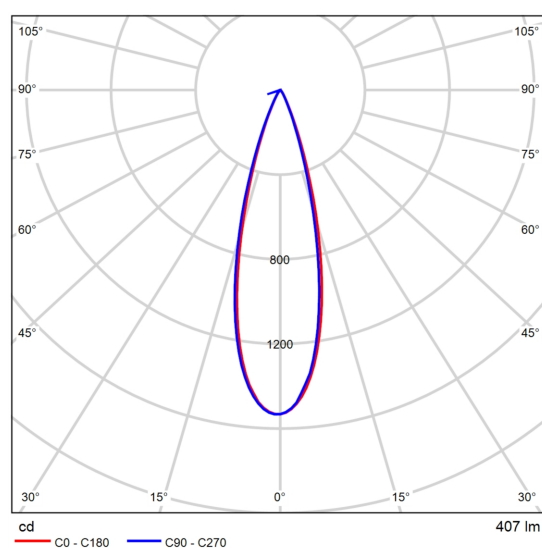
## Product data sheet

NEKO - FL-SL450-3S-12W-830-30°



Article No.	FUSION Linear System
P	16.9 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1220 lm
$\eta$	–
Luminous efficacy	72.3 lm/W
CCT	2913 K
CRI	92

FUSION Linear Spotlight Module with three spotlight as profile insert; System power 15W; measurement 450mm x 45mm; rotation 360° and pivot max. 90°; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient CREE LED Chips; 5 years warranty; narrow beam characteristic with 30° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work according to DIN EN 12464-1 (UGR<19); degree of housing protection according to DIN EN 60529 (IP40)



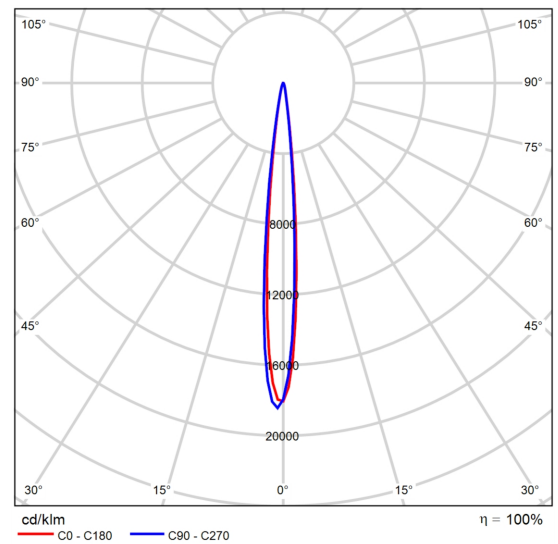
Polar LDC for Light emission 1, 2 and 3

## Product data sheet

NEKO - M4 PRO-7W-030-10D



P	9.2 W
$\Phi_{\text{Lamp}}$	558 lm
$\Phi_{\text{Luminaire}}$	557 lm
$\eta$	99.89 %
Luminous efficacy	60.6 lm/W
CCT	3000 K
CRI	100



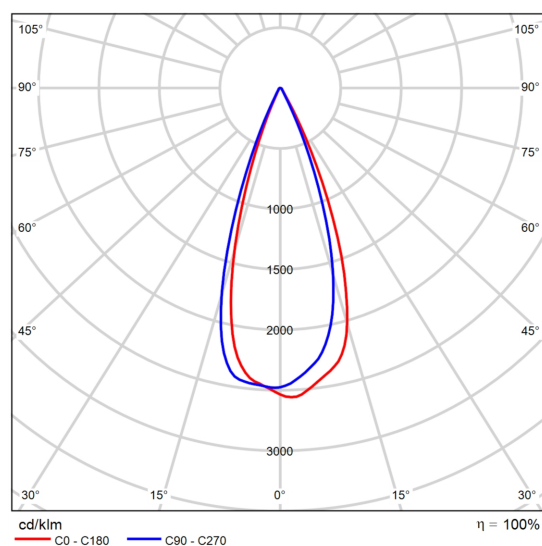
Polar LDC

## Product data sheet

NEKO - M4 PRO-13W-030-35D



P	15.3 W
$\Phi_{\text{Lamp}}$	1156 lm
$\Phi_{\text{Luminaire}}$	1156 lm
$\eta$	99.99 %
Luminous efficacy	75.5 lm/W
CCT	3500 K
CRI	100



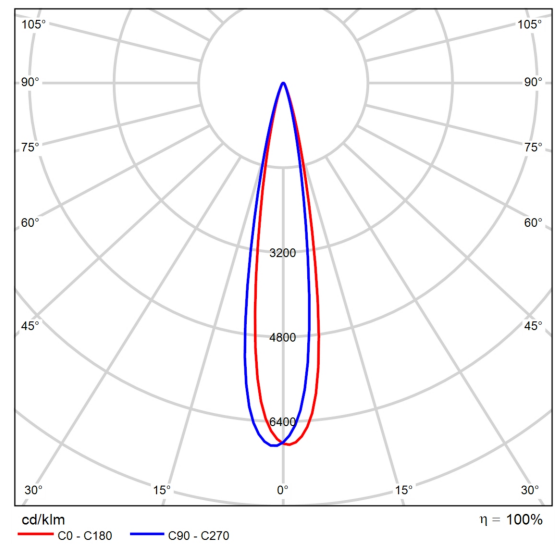
Polar LDC

## Product data sheet

NEKO - M4 PRO-18W-030-18D



P	20.7 W
$\Phi_{\text{Lamp}}$	1608 lm
$\Phi_{\text{Luminaire}}$	1607 lm
$\eta$	99.96 %
Luminous efficacy	77.7 lm/W
CCT	3000 K
CRI	100



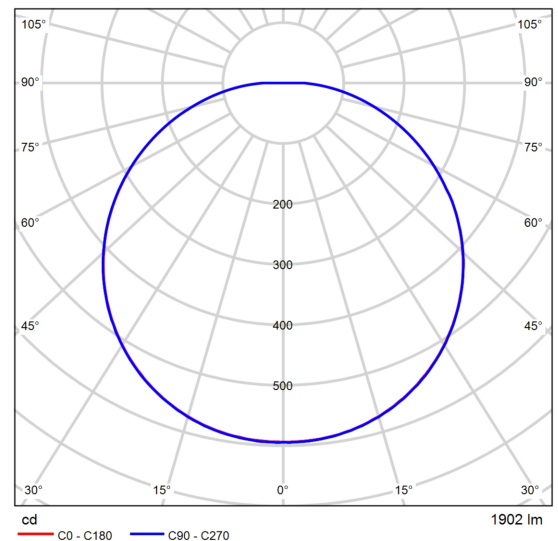
Polar LDC

## Product data sheet

NEKO - MINT 280-18W-840-120°



Article No.	MINT
P	18.7 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1902 lm
$\eta$	–
Luminous efficacy	101.5 lm/W
CCT	3940 K
CRI	92



Polar LDC

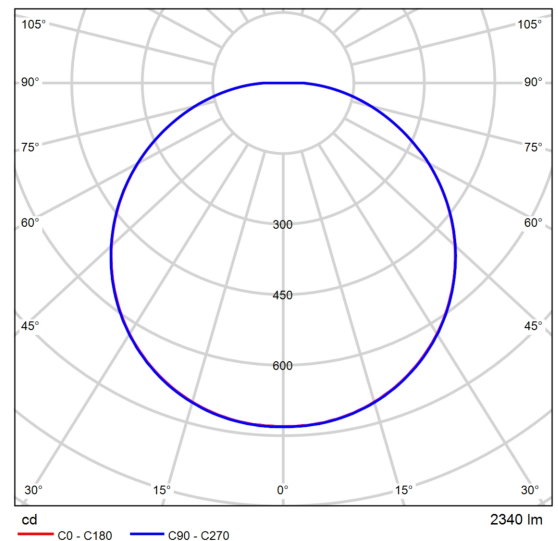
Round ceiling mounted luminaire made of white polycarbonate with matt polycarbonate diffuser; ON-OFF Driver; System Power adjustable via toggle switch: 13W, 18W, 24W; primary: 220–240V ~50/60Hz; measurements Ø280mm x 48mm; CCT 2700K/3000K/4000K adjustable via toggle switch; System Luminous Flux of 1350lm@2700K (13W), 1400lm@3000K (13W), 1500lm@4000K (13W), 1700lm@2700K (18W), 1800lm@3000K (18W), 1900lm@4000K (18W), 2100lm@2700K (24W), 2200lm@3000K (24W), 2350lm@4000K (24W); decent color rendering at an index of CRI80; after a lifetime of 50000h L80B10 min. 80% of the luminous flux with energy efficient DACOL LED Chips; 5 years warranty; wide beam characteristic with 120° beam angle; UGR<26; degree of housing protection IP54; impact resistance of the luminaire is in the class IK10

## Product data sheet

NEKO - MINT 280-24W-840-120°



Article No.	MINT
P	23.8 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	2340 lm
$\eta$	–
Luminous efficacy	98.4 lm/W
CCT	3940 K
CRI	92



Polar LDC

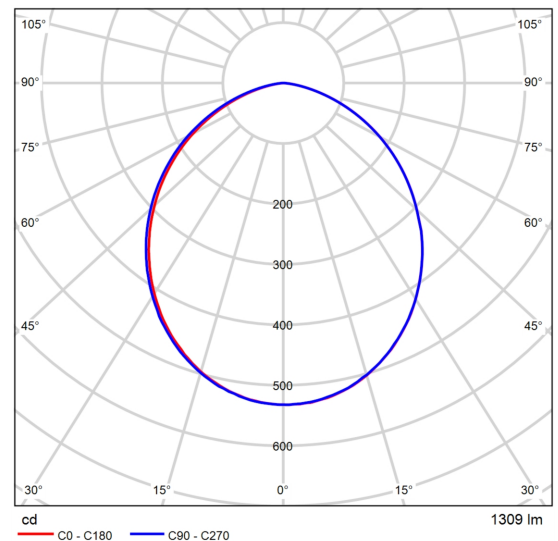
Round ceiling mounted luminaire made of white polycarbonate with matt polycarbonate diffuser; ON-OFF Driver; System Power adjustable via toggle switch: 13W, 18W, 24W; primary: 220–240V ~50/60Hz; measurements Ø280mm x 48mm; CCT 2700K/3000K/4000K adjustable via toggle switch; System Luminous Flux of 1350lm@2700K (13W), 1400lm@3000K (13W), 1500lm@4000K (13W), 1700lm@2700K (18W), 1800lm@3000K (18W), 1900lm@4000K (18W), 2100lm@2700K (24W), 2200lm@3000K (24W), 2350lm@4000K (24W); decent color rendering at an index of CRI80; after a lifetime of 50000h L80B10 min. 80% of the luminous flux with energy efficient DACOL LED Chips; 5 years warranty; wide beam characteristic with 120° beam angle; UGR<26; degree of housing protection IP54; impact resistance of the luminaire is in the class IK10

## Product data sheet

NEKO - NICE 500S-14W-830-110°



Article No.	NICE
P	13.6 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	1309 lm
$\eta$	–
Luminous efficacy	96.4 lm/W
CCT	2913 K
CRI	92

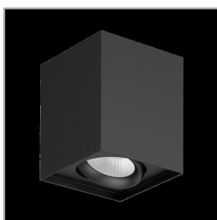


Polar LDC

Wall Light square with direct beam made of die-cast aluminium with integrated ON-OFF Driver; dark-grey powder-coating finish (RAL 7024); System Power 14W; primary: 220–240V ~50/60Hz; measurements 500mm x 60mm x 60mm; CCT 3000K with an System Luminous flux of 1300lm; decent color rendering at an index of CRI80; after a lifetime of 50000h L80B10 min. 80% of the luminous flux with energy efficient PHILIPS LED Chips; 3 years warranty; beam characteristic with 110° beam angle; degree of housing protection IP65; light source replaceable by a qualified electrician; driver replaceable by a qualified electrician

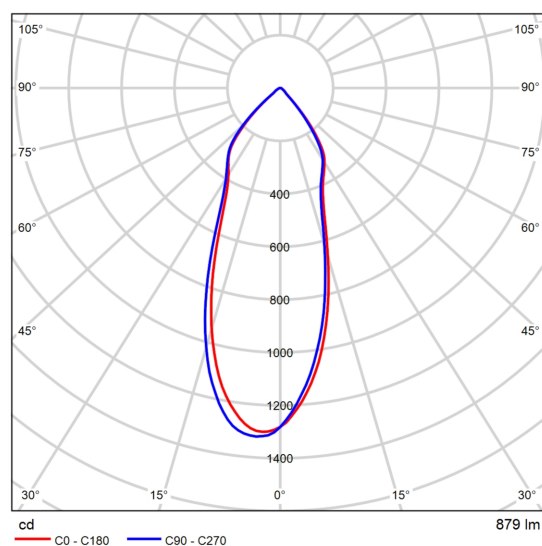
## Product data sheet

NEKO - SDSC-10W-930-36°



Article No.	SKYDRIVER
P	10.0 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	879 lm
$\eta$	–
Luminous efficacy	87.6 lm/W
CCT	2913 K
CRI	92

Square ceiling light made of die-cast aluminium; System Power 10W; measurement 90mm x 90mm; luminaire's height is 108mm; luminaire head rotation 355° and pivot max. 25°; CCT 3000K; high color rendering at an index of CRI90; after a lifetime of 50000h L80B10 min. 80% of the luminous flux with energy efficient CITIZEN LED Chips; 5 years warranty; medium beam characteristic with 36° beam angle; lighting perfectly suitable for reading, writing as well as computer and control work with UGR<19; degree of housing protection IP20; light source replaceable by a qualified electrician; driver replaceable by a qualified electrician



Polar LDC



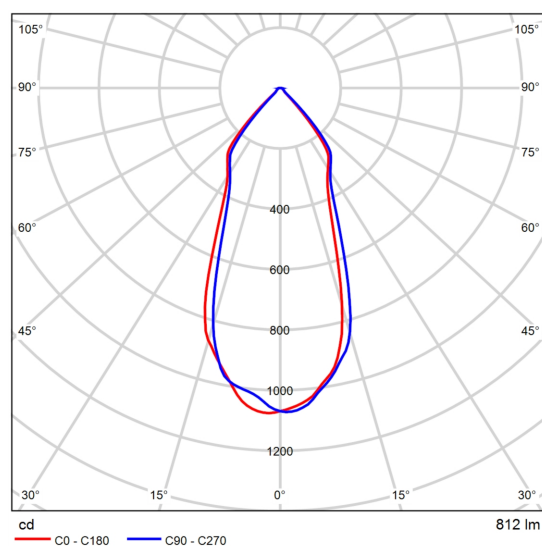
## Product data sheet

NEKO - SKYJACK F-9W-930-38°



Article No.	SKYJACK
P	10.7 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	812 lm
$\eta$	–
Luminous efficacy	76.1 lm/W
CCT	2913 K
CRI	92

Round recessed ceiling downlight made of die-cast aluminium; System Power 11W; measurement Ø79mm; ceiling cutout of Ø68mm with a narrow mounting trim; luminaire's height is 46mm; high color rendering at an index of CRI90; after a lifetime of 50000h L80B10 min. 80% of the luminous flux with energy efficient BRIDGELUX LED Chips; 5 years warranty; beam characteristic with 38° beam angle; degree of housing protection IP65 on the visible part of the product one installed; light source replaceable by a qualified electrician; driver replaceable by a qualified electrician



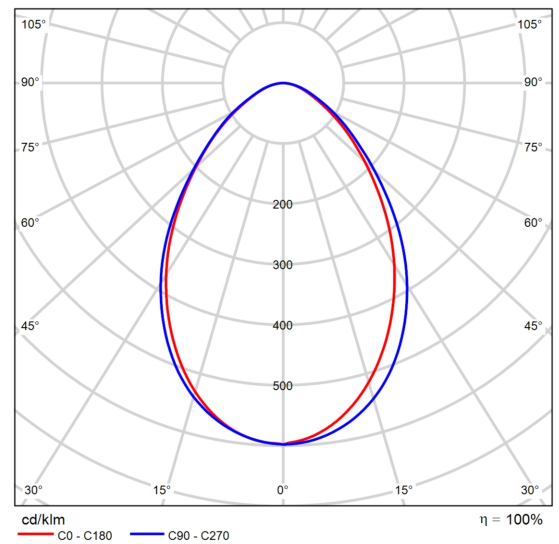
Polar LDC

## Product data sheet

NEKO - Space 60 2.0 EVO CL1470-32W-830-F



P	32.2 W
$\Phi_{\text{Lamp}}$	3513 lm
$\Phi_{\text{Luminaire}}$	3513 lm
$\eta$	99.99 %
Luminous efficacy	109.0 lm/W
CCT	3000 K
CRI	100



Polar LDC

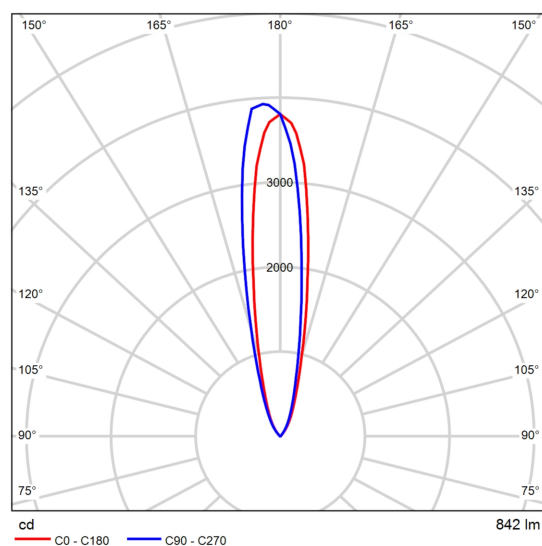
## Product data sheet

### NEKO - TERARACE Maxi-830-20°



Article No.	TERARACE Maxi
P	10.7 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	842 lm
$\eta$	–
Luminous efficacy	78.8 lm/W
CCT	2913 K
CRI	92

Ground Light round made of die-cast aluminium; external 24VDC LED Driver is required; Top Cover Stainless Steel; LED 9W; measurements Ø90mm; height of the luminaire is 115mm; CCT 3000K with an System Output of 850lm; decent color rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient CITIZEN LED Chips; 3 years warranty; beam characteristic with 20° beam angle; degree of housing protection according to DIN EN 60529 (IP67); Impact resistance of the luminaire is in the class IK10.



Polar LDC

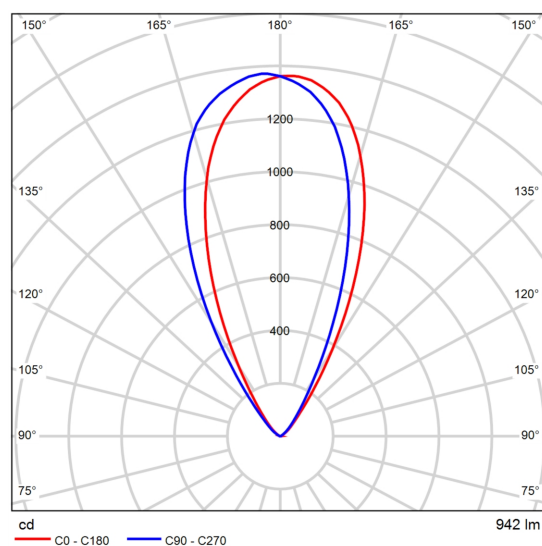
## Product data sheet

### NEKO - TERARACE Maxi-830-50°



Article No.	TERARACE Maxi
P	10.6 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	942 lm
$\eta$	–
Luminous efficacy	88.7 lm/W
CCT	2913 K
CRI	92

Ground Light round made of die-cast aluminium; external 24VDC LED Driver is required; Top Cover Stainless Steel; LED 9W; measurements Ø90mm; height of the luminaire is 115mm; CCT 3000K with an System Output of 850lm; decent color rendering at an index of CRI80; after a lifetime of 50000h min. 80% of the luminous flux with energy efficient CITIZEN LED Chips; 3 years warranty; beam characteristic with 50° beam angle; degree of housing protection according to DIN EN 60529 (IP67); Impact resistance of the luminaire is in the class IK10.



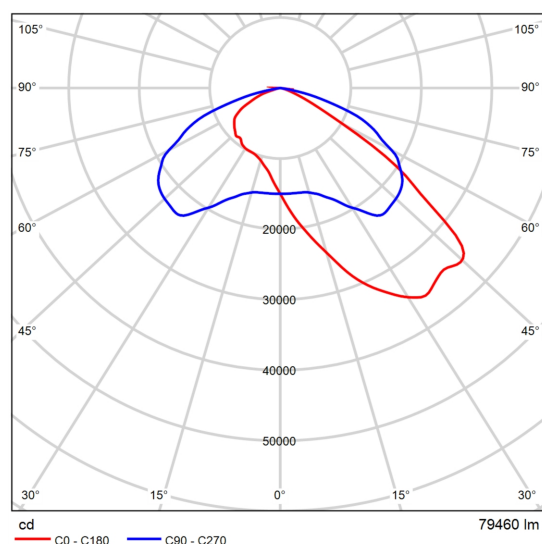
Polar LDC

## Product data sheet

Performance in Lighting - WIN PRO 40 A35/W 575W 740 GR-94



Article No.	3118170
P	575.0 W
$\Phi_{\text{Lamp}}$	–
$\Phi_{\text{Luminaire}}$	79460 lm
$\eta$	–
Luminous efficacy	138.2 lm/W
CCT	4000 K
CRI	70



Polar LDC

Part number: 3118170. Serie: WIN PRO.

High-powered LED floodlight for indoor and outdoor, comprising:  
 Die-cast aluminium housing, polyester powder coat finish ISO 9227/12944. ISO 9223 (C5) . Extra clear, toughened, flat glass diffuser. High-transparency polycarbonate optics. Anti-ageing custom moulded silicone sealing gasket(s) with resilient elastic return capacity. Tempered glass hinged to the housing by polyester powder coat finish die-cast aluminium brackets ISO 9227/12944. ISO 9223 (C5) . Cable gland M20x1.5 for cables Ø 10- Ø 14 mm. Supplied with 0,5 m pre-wired H07RN-F 3G2,5 mm<sup>2</sup> cable. Stainless steel locking hardware. Powder-coated steel tiltable bracket. All WIN PRO 40 power consumption includes power unit losses . Integral graduated goniometer for aiming purposes. Openable and maintainable luminaire (future-proof). For WIN PRO 40, use only the power supply units available as accessories (ordered separately). IP66-rated power control gears are available in RPA, DALI and DMX-RDM. Maximum distance of 50 m cable length between control gear and luminaire (1CH). Standard supplied with two stainless steel brackets allowing the control gear to be fixed directly to the back of the luminaire. The power supply groups are made up of drivers with protection against mains power surges of up to 10 kV (CM/DM). For up

## Product data sheet

### Performance in Lighting - WIN PRO 40 A35/W 575W 740 GR-94

lighting installation, consult factory.

Product data | ETIM Group: EG000027. ETIM Class: EC001744.

General information | Lampholder: LED. Lightsource lumen output [lm]: 97382. Luminaire lumen output [lm]: 79472. Luminaire wattage [W]: 575 W. Luminous efficacy [lm/W]: 138. CRI: 70. Colour temperature [K]: 4000. IP degree of protection: IP66. IK08 5J xx5. Protection class: I. Optic: A35/W - . Net weight [kg]: 11.339. Overall length [mm]: 585. Overall width [mm]: 520. Overall height [mm]: 180.

Mechanical features | Glow wire test [°C]: 960 °C. Frontal exposed area [m²]: 0.03. Lateral exposed area [m²]: 0.06. Top exposed area [m²]: 0.34.

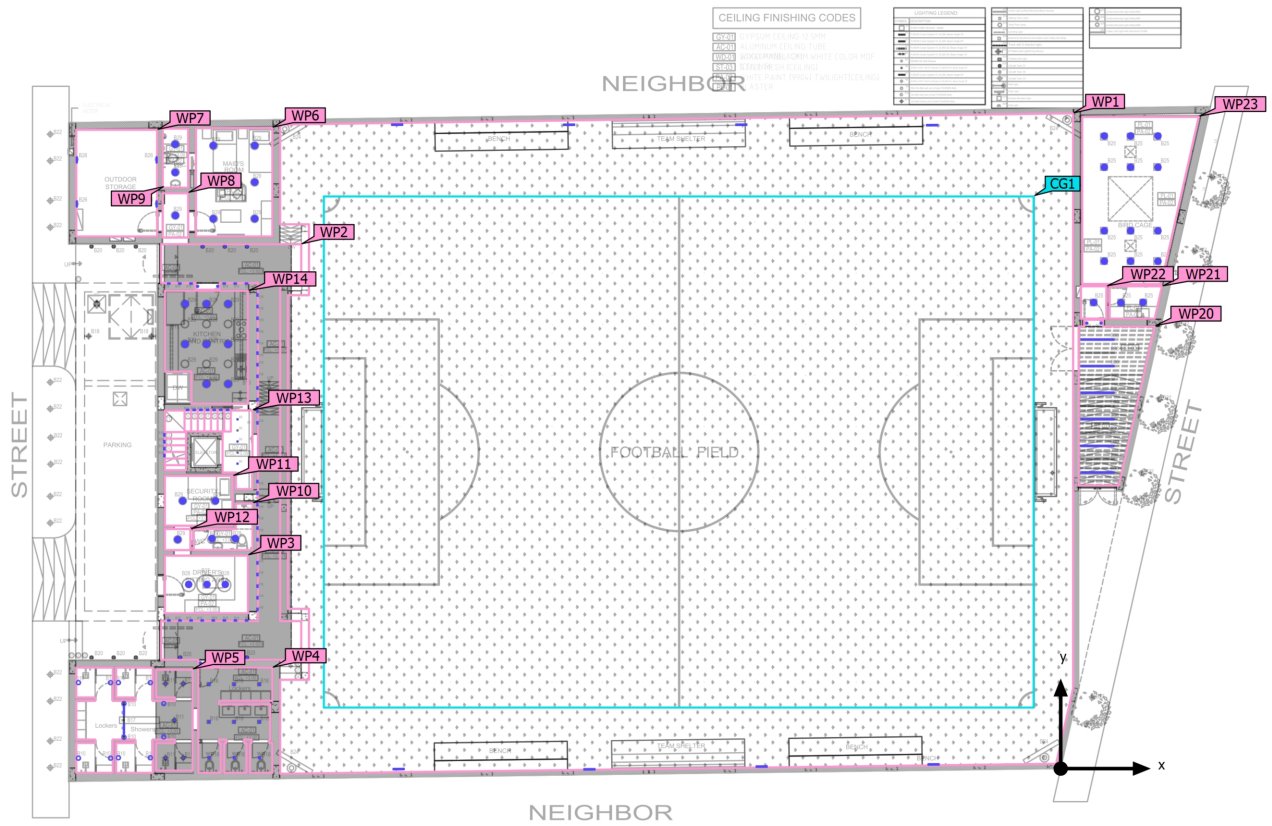
Electrical features | Voltage type: DC. Power factor / COS  $\Phi$ : 0.95.

Installation | Application area: OUTDOOR. Mounting type: Floodlighting. Min. ambient temperature [°C]: -40. Max. ambient temperature [°C]: 45. Min. distance from lighted object [m]: 1.00.

Light features | Lamps: 1. ILCOS: DSS. MacAdam: 3. Lumen maintenance: L80B10@170000h. Distribution of light emission: Direct. Luminous Intensity Class: G\*6. Zero light pollution (ULR = 0%). CIE flux code n.3 95. IPEA\* (road lighting): A++. IPEA\* (large areas, roundabouts): A5+. IPEA\* (cycle-pedestrian): A4+. IPEA\* (green areas): A4+. IPEA\* (historic city centers): A7+.

Certifications | CE certified. EAC certified. UKCA certified. RCM certified. Mountable on normally inflammable surfaces. Compliant to DIN 18032-3.

Building 1 · GF (Light scene 1)

**Calculation objects**

Building 1 · GF (Light scene 1)

**Calculation objects**

## Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Court Field) Perpendicular illuminance (adaptive) Height: 0.030 m, Wall zone: 0.000 m	277 lx	103 lx	596 lx	0.37	0.17	WP1
Working plane (Corridor ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	166 lx	5.99 lx	566 lx	0.036	0.011	WP2
Working plane (DRIVER'S SITTING AREA ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	222 lx	159 lx	272 lx	0.72	0.58	WP3
Working plane (Lockers - WC- AC-01) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	217 lx	88.5 lx	336 lx	0.41	0.26	WP4
Working plane (Lockers - Showers - AC-01) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	172 lx	31.1 lx	658 lx	0.18	0.047	WP5
Working plane (MAID'S ROOM ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	246 lx	172 lx	293 lx	0.70	0.59	WP6
Working plane (OUTDOOR STORAGE) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	154 lx	80.8 lx	210 lx	0.52	0.38	WP7
Working plane (MAID'S CORRIDOR) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	91.1 lx	83.8 lx	96.1 lx	0.92	0.87	WP8
Working plane (MAID'S WC) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	156 lx	137 lx	170 lx	0.88	0.81	WP9
Working plane (WC ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	179 lx	132 lx	223 lx	0.74	0.59	WP10
Working plane (SECURITY ROOM ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	135 lx	108 lx	156 lx	0.80	0.69	WP11



## Building 1 · GF (Light scene 1)

## Calculation objects

Working plane (Drivers corridor ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	93.6 lx	90.9 lx	95.7 lx	0.97	0.95	WP12
Working plane (STAIRS) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	379 lx	0.00 lx	577 lx	0.00	0.00	WP13
Working plane (KITCHEN AND PANTRY ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	396 lx	233 lx	490 lx	0.59	0.48	WP14
Working plane (ST-03) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	515 lx	175 lx	677 lx	0.34	0.26	WP20
Working plane (PL-01/PA-02) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	167 lx	141 lx	185 lx	0.84	0.76	WP21
Working plane (BIRD CAGE CORRIDOR) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	95.7 lx	91.0 lx	99.0 lx	0.95	0.92	WP22
Working plane (BIRD CAGE) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	319 lx	161 lx	393 lx	0.50	0.41	WP23

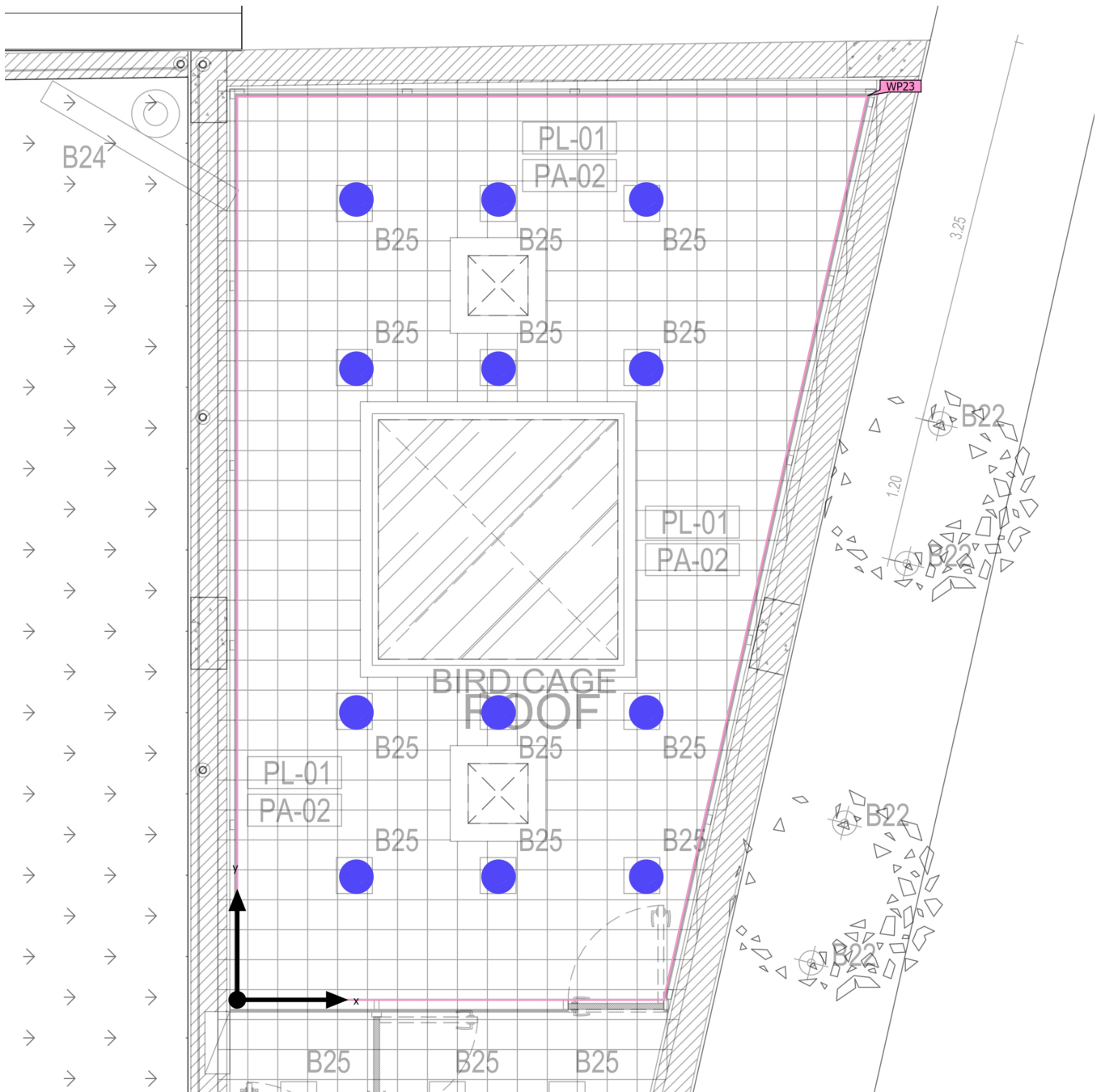
## Calculation surfaces

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Football Court Perpendicular illuminance Height: 0.030 m	262 lx	163 lx	570 lx	0.62	0.29	CG1

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · BIRD CAGE (Light scene 1)

**Calculation objects**

Building 1 · GF · BIRD CAGE (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (BIRD CAGE) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	319 lx	161 lx	393 lx	0.50	0.41	WP23

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · BIRD CAGE (Light scene 1)

Working plane (BIRD CAGE)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (BIRD CAGE)	319 lx	161 lx	393 lx	0.50	0.41	WP23
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · BIRD CAGE (Light scene 1)

## **Working plane (BIRD CAGE)**

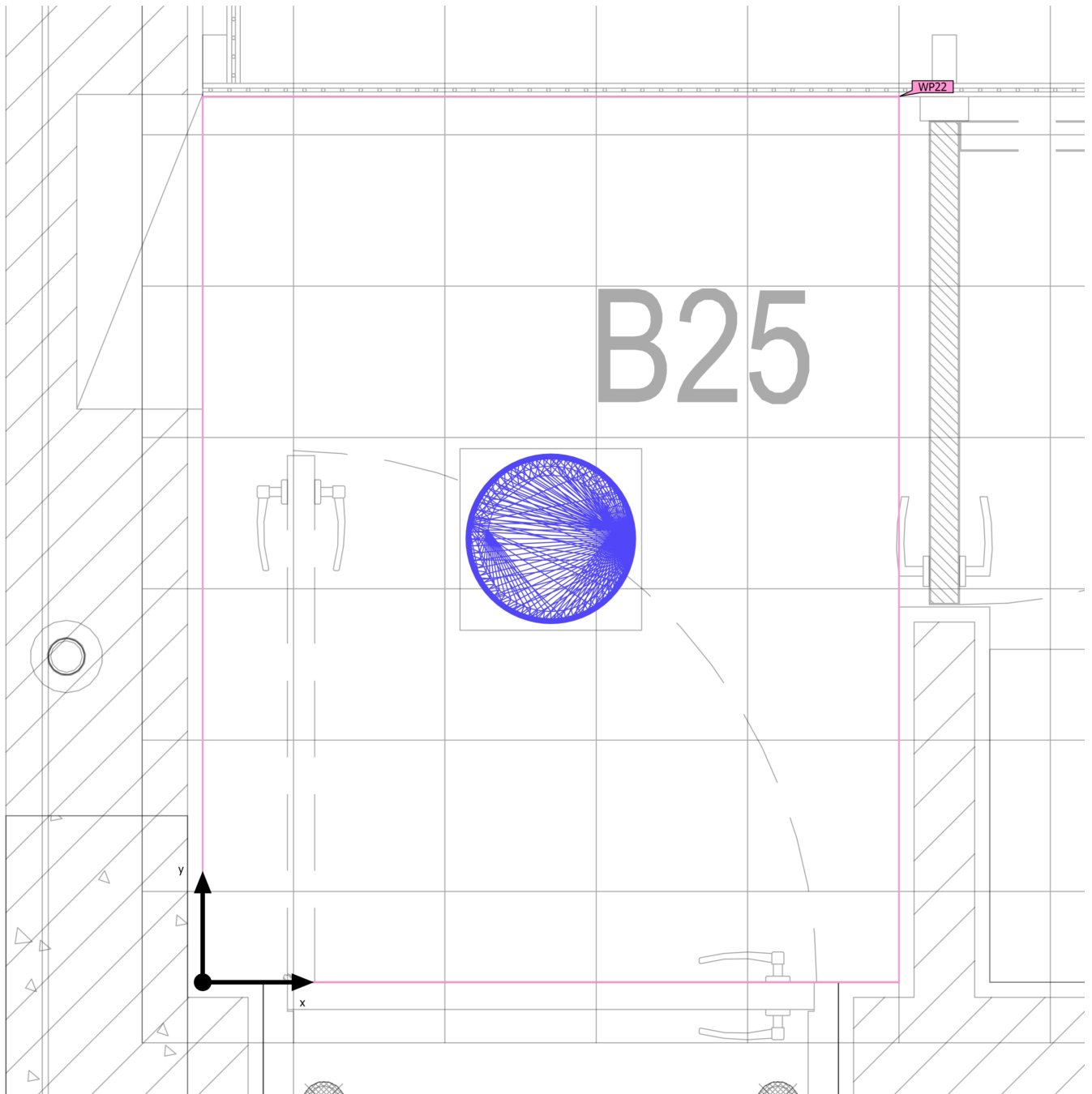
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · BIRD CAGE CORRIDOR (Light scene 1)

## Calculation objects



Building 1 · GF · BIRD CAGE CORRIDOR (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (BIRD CAGE CORRIDOR) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	95.7 lx	91.0 lx	99.0 lx	0.95	0.92	WP22

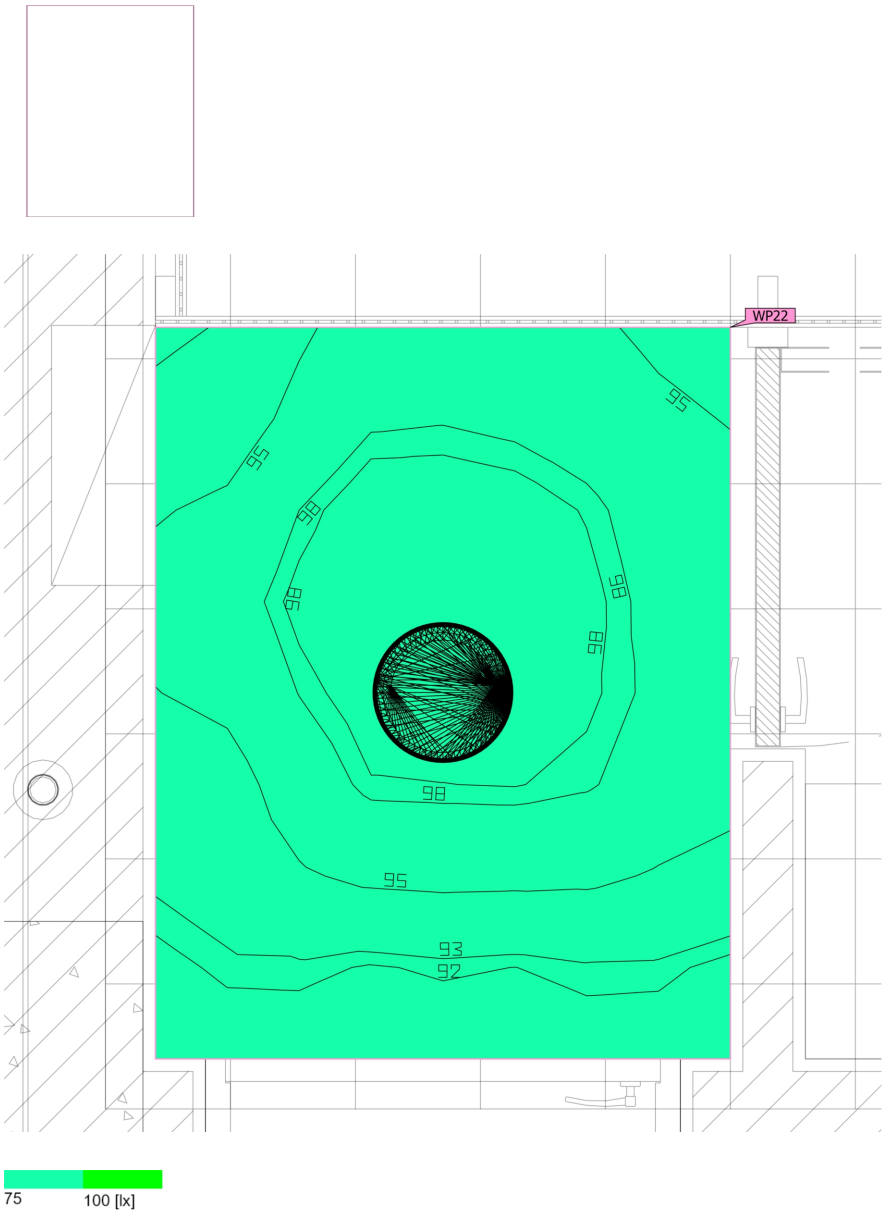
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · BIRD CAGE CORRIDOR (Light scene 1)

Working plane (BIRD CAGE CORRIDOR)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (BIRD CAGE CORRIDOR)	95.7 lx	91.0 lx	99.0 lx	0.95	0.92	WP22
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · BIRD CAGE CORRIDOR (Light scene 1)

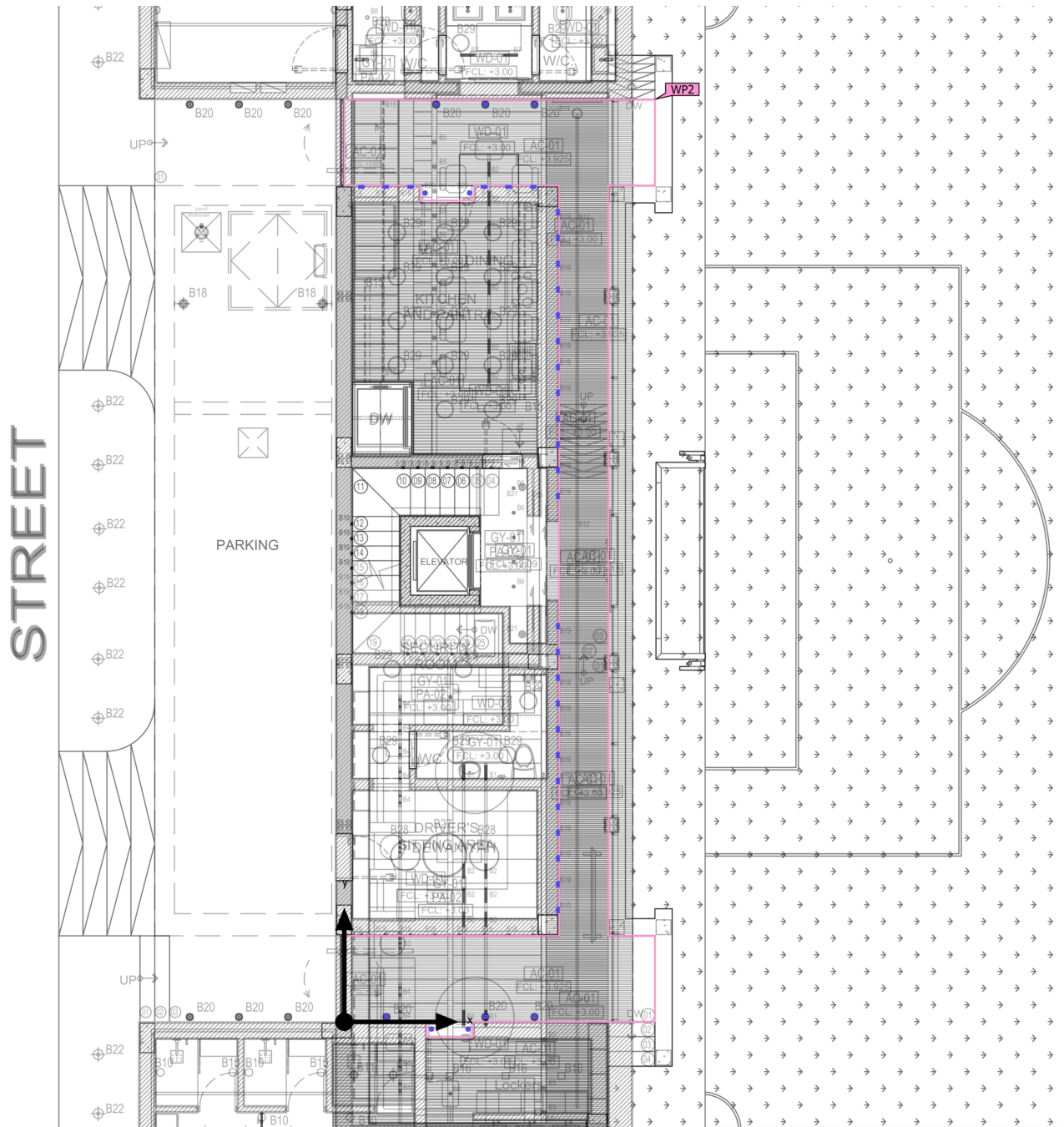
## **Working plane (BIRD CAGE CORRIDOR)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Corridor (Light scene 1)

**Calculation objects**

Building 1 · GF · Corridor (Light scene 1)

## Calculation objects

### Working planes

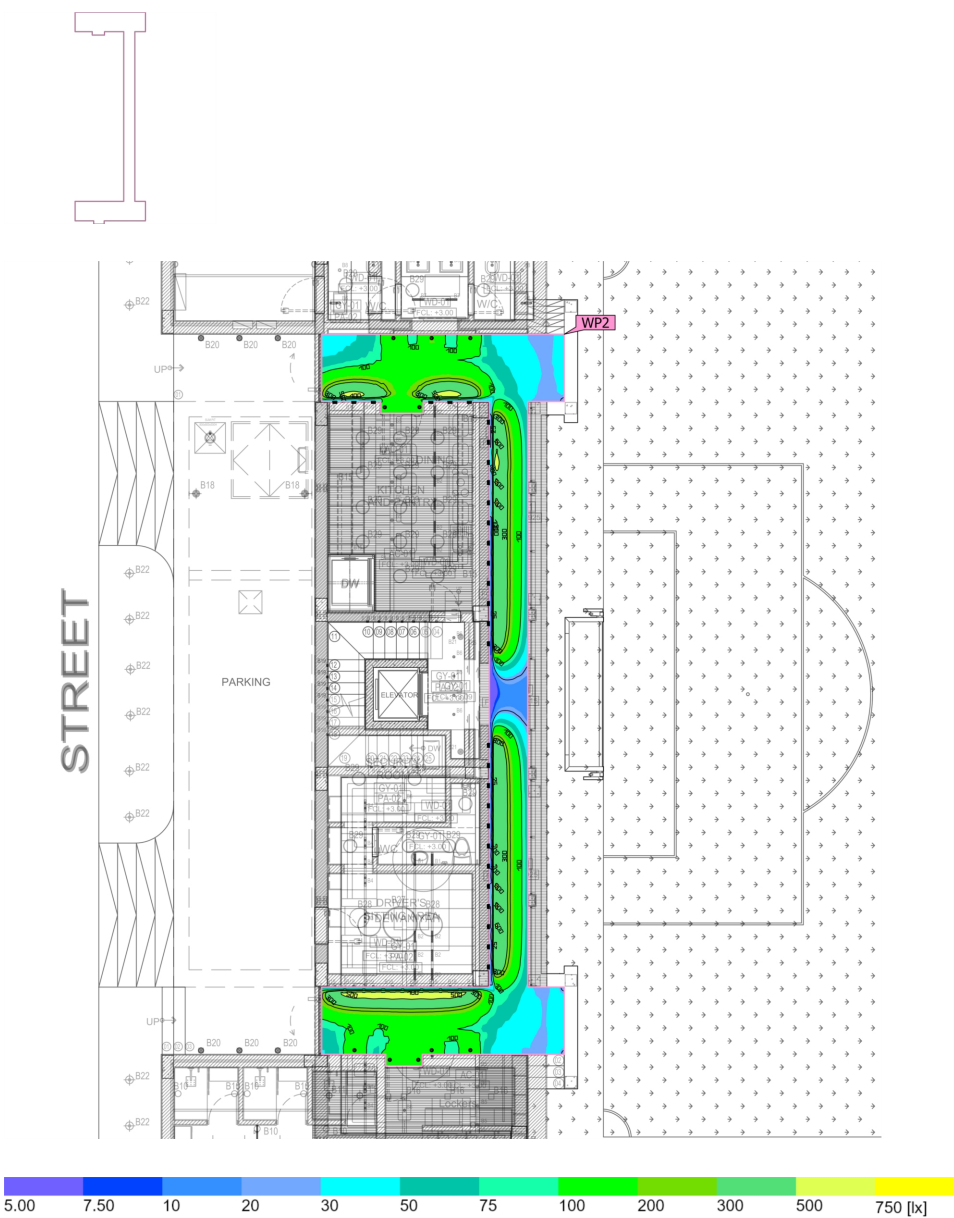
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Corridor ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	166 lx	5.99 lx	566 lx	0.036	0.011	WP2

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Corridor (Light scene 1)  
**Working plane (Corridor )**



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Corridor )	166 lx	5.99 lx	566 lx	0.036	0.011	WP2
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · Corridor (Light scene 1)

## **Working plane (Corridor )**

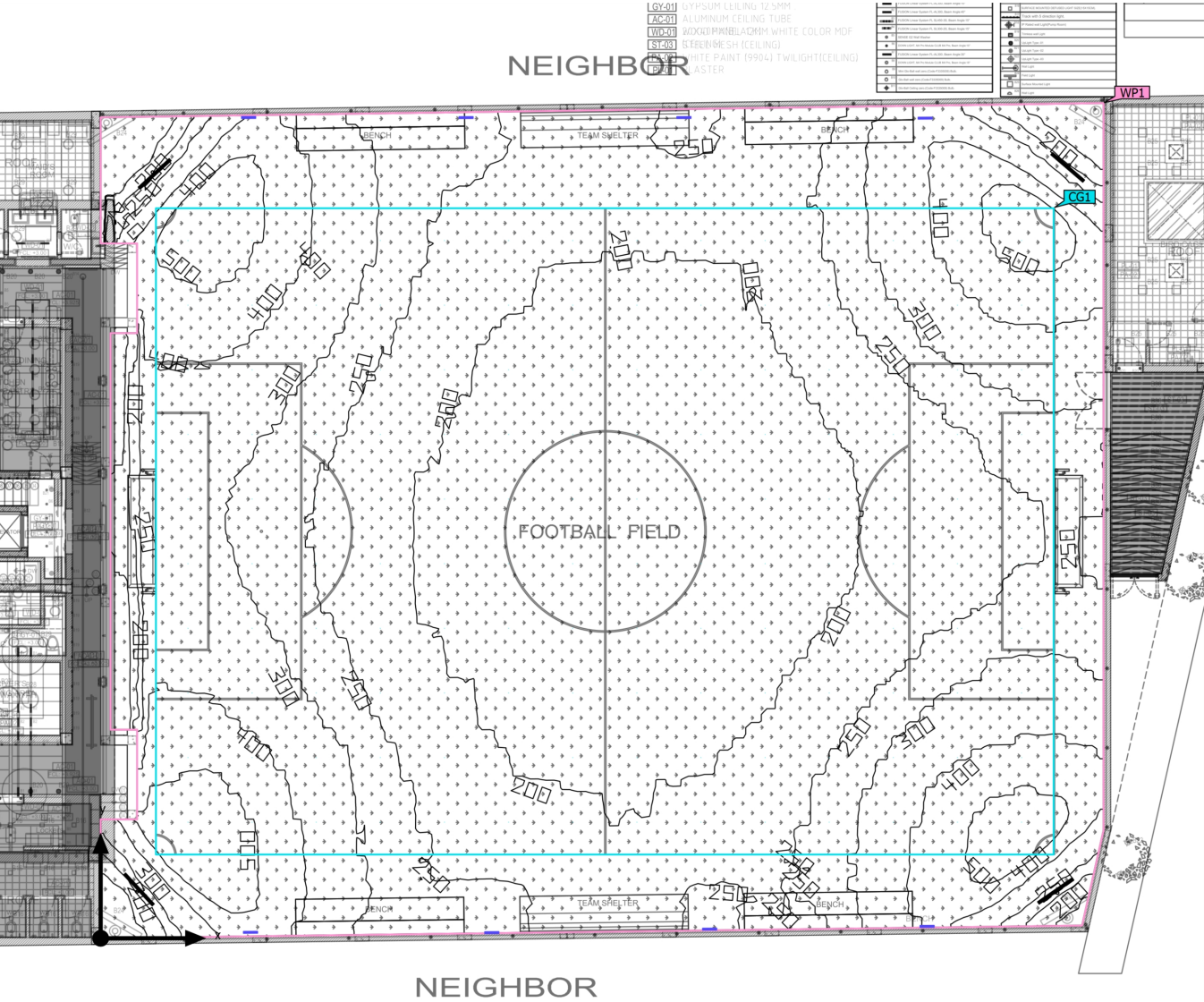
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Court Field (Light scene 1)

Summary



Ground area	1034.15 m²
Reflection factors	Ceiling: 70.0 %, Walls: 67.6 %, Floor: 20.0 %
Maintenance factor	0.80 (fixed)

Clearance height	3.925 m
Mounting height	2.700 m
Height <sub>Working plane</sub>	0.030 m
Wall zone <sub>Working plane</sub>	0.000 m

Building 1 · GF · Court Field (Light scene 1)

## Summary

### Results

	Symbol	Calculated	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	277 lx	WP1
	$U_o (g_1)$	0.37	WP1
Energy estimation <sup>(2)</sup>	Consumption	269 kWh/a	
Space	Lighting power density	0.11 W/m <sup>2</sup>	
		0.04 W/m <sup>2</sup> /100 lx	

(1) Based on a rectangular space of 36.156 m x 29.336 m and SHR of 0.25.

(2) Calculated using DIN:18599-4.

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

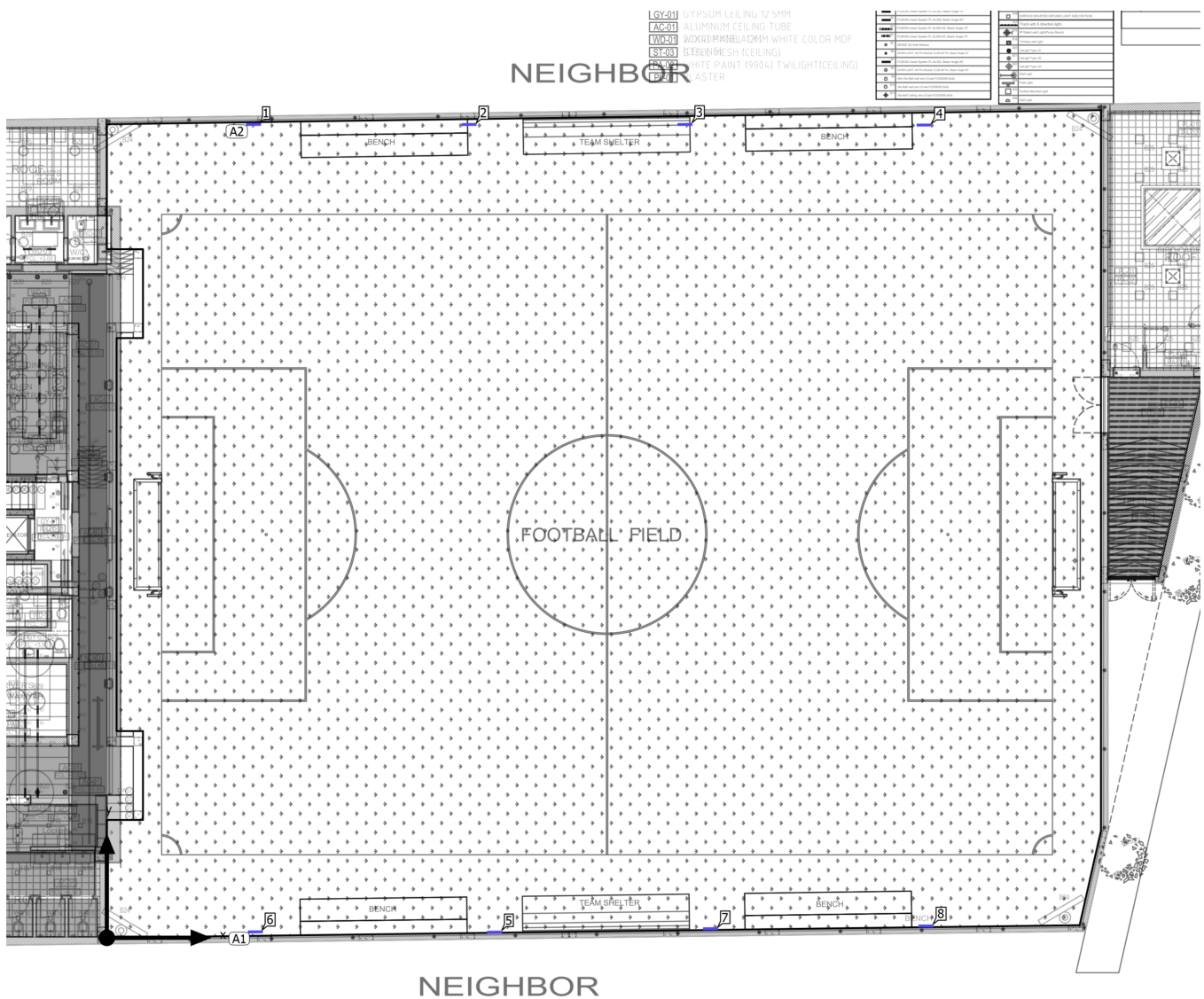
### Luminaire list

pcs.	Manufacturer	Article No.	Article name	R <sub>UG</sub>	P	Φ	Luminous efficacy
8	NEKO	NICE	NICE 500S-14W-830-110°	–	13.6 W	1309 lm	96.4 lm/W

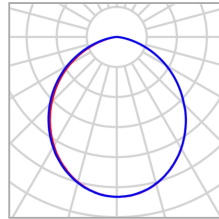


Building 1 · GF · Court Field

## Luminaire layout plan



Building 1 · GF · Court Field

**Luminaire layout plan**

Manufacturer	NEKO	P	13.6 W
Article No.	NICE	$\Phi_{\text{Luminaire}}$	1309 lm
Article name	NICE 500S-14W-830-110°		
Fitting	1x LED		

**4 x NEKO NICE 500S-14W-830-110°**

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	29.478 m / 0.456 m / 2.700 m	13.952 m	0.233 m	2.700 m	5
X-direction	4 pcs., Centre - centre, Distances not equal	5.345 m	0.244 m	2.700 m	6
		21.722 m	0.358 m	2.700 m	7
Arrangement	A1	29.478 m	0.456 m	2.700 m	8

**4 x NEKO NICE 500S-14W-830-110°**

Type	Line arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	5.278 m / 29.253 m / 2.700 m	5.278 m	29.253 m	2.700 m	1
X-direction	4 pcs., Centre - centre, Distances not equal	13.033 m	29.250 m	2.700 m	2
		20.804 m	29.252 m	2.700 m	3
Arrangement	A2	29.411 m	29.231 m	2.700 m	4

Building 1 · GF · Court Field

**Luminaire list** $\Phi_{\text{total}}$ 

10472 lm

 $P_{\text{total}}$ 

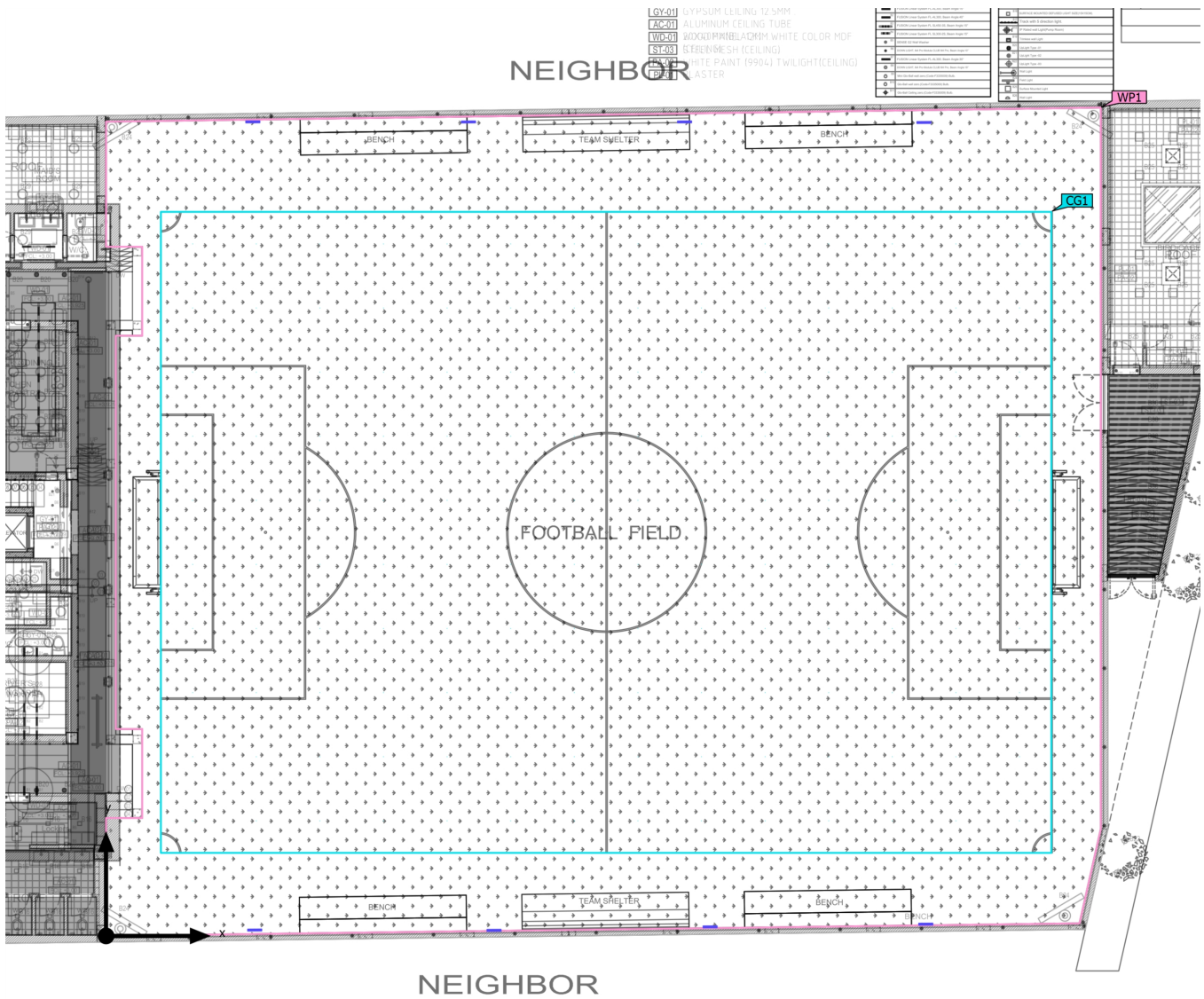
108.8 W

Luminous efficacy

96.3 lm/W

pcs.	Manufacturer	Article No.	Article name	P	$\Phi$	Luminous efficacy
8	NEKO	NICE	NICE 500S-14W-830-110°	13.6 W	1309 lm	96.4 lm/W

Building 1 · GF · Court Field (Light scene 1)

**Calculation objects**

Building 1 · GF · Court Field (Light scene 1)

**Calculation objects**

## Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Court Field) Perpendicular illuminance (adaptive) Height: 0.030 m, Wall zone: 0.000 m	277 lx	103 lx	596 lx	0.37	0.17	WP1

## Calculation surfaces

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Football Court Perpendicular illuminance Height: 0.030 m	262 lx	163 lx	570 lx	0.62	0.29	CG1

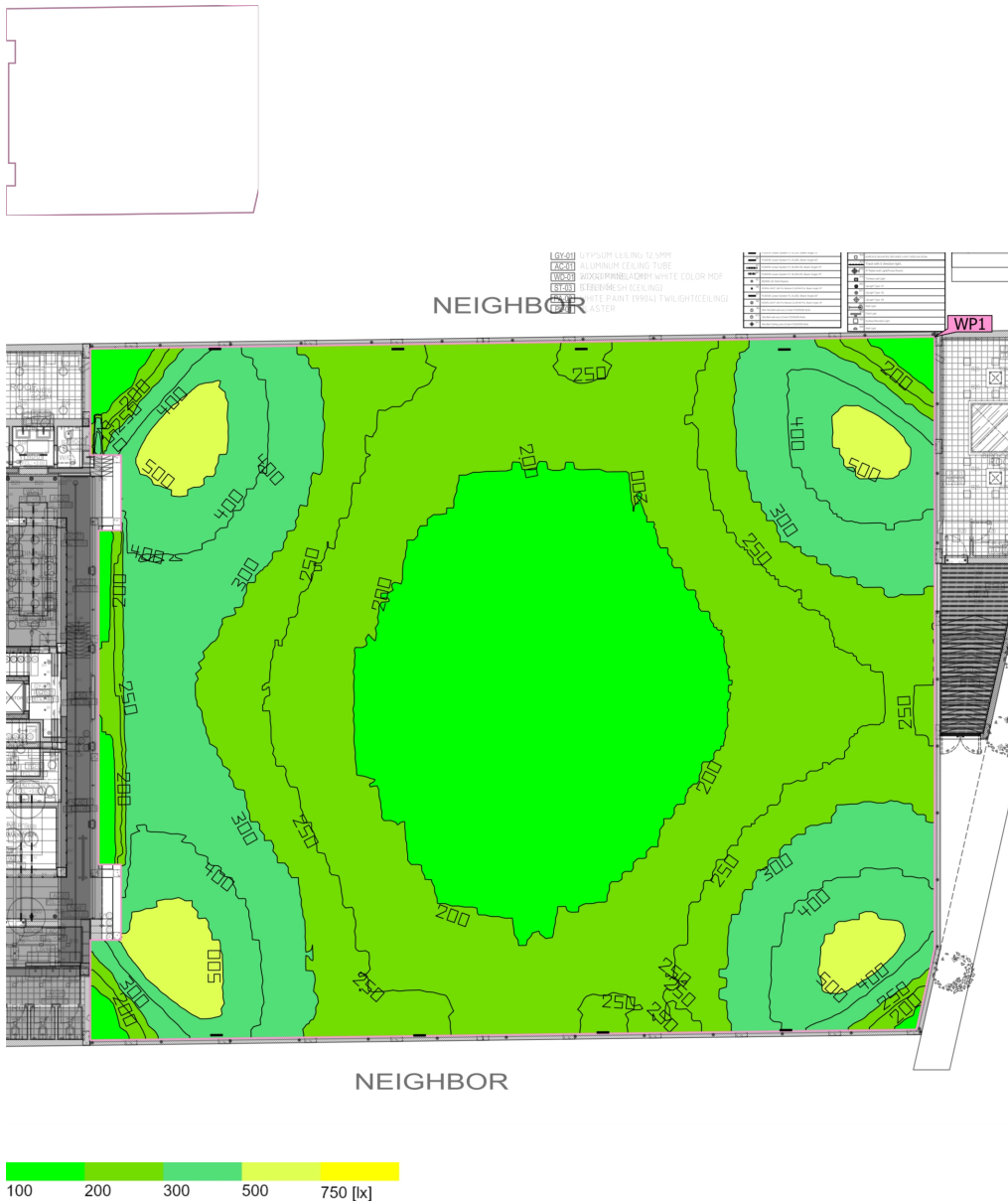
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Court Field (Light scene 1)

### Working plane (Court Field)



Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Court Field) Perpendicular illuminance (adaptive) Height: 0.030 m, Wall zone: 0.000 m	277 lx	103 lx	596 lx	0.37	0.17	WP1

Building 1 · GF · Court Field (Light scene 1)

## **Working plane (Court Field)**

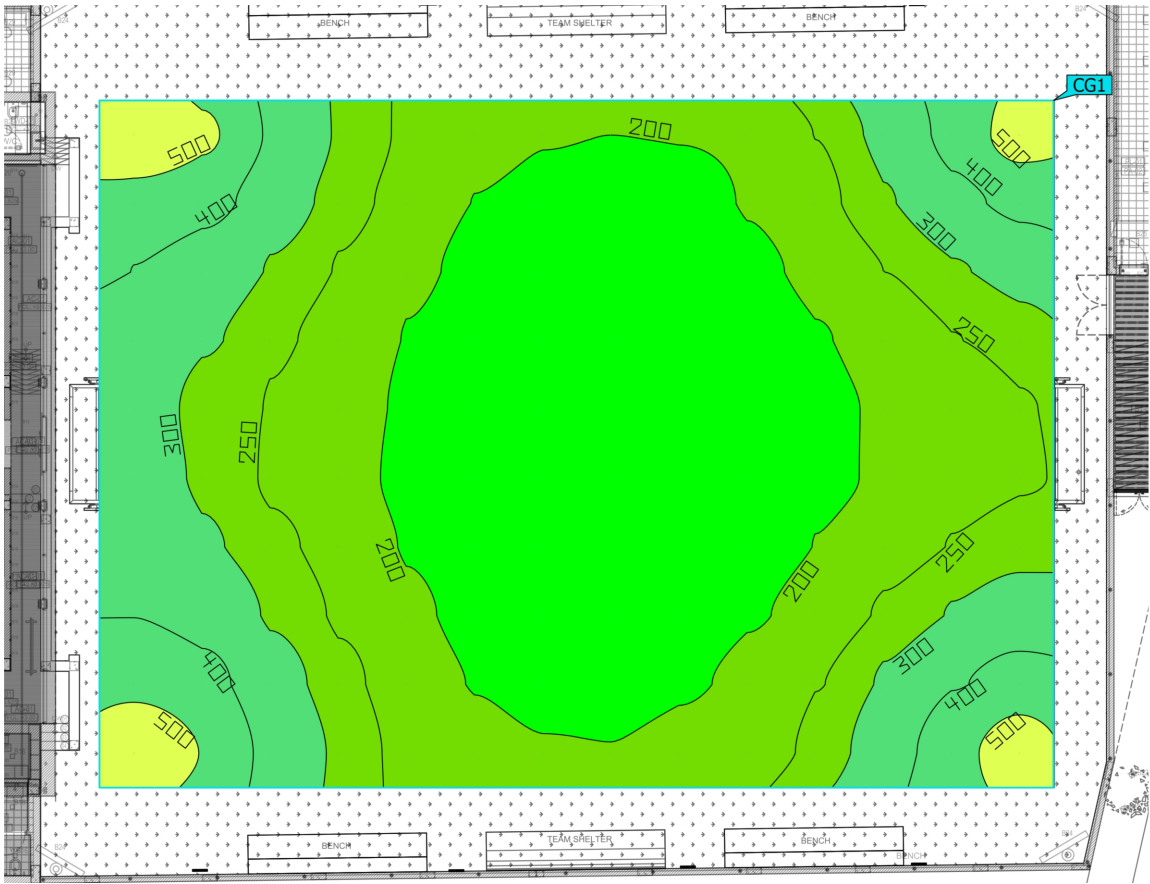
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Court Field (Light scene 1)

Football Court



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Football Court Perpendicular illuminance Height: 0.030 m	262 lx	163 lx	570 lx	0.62	0.29	CG1



Building 1 · GF · Court Field (Light scene 1)

## Football Court

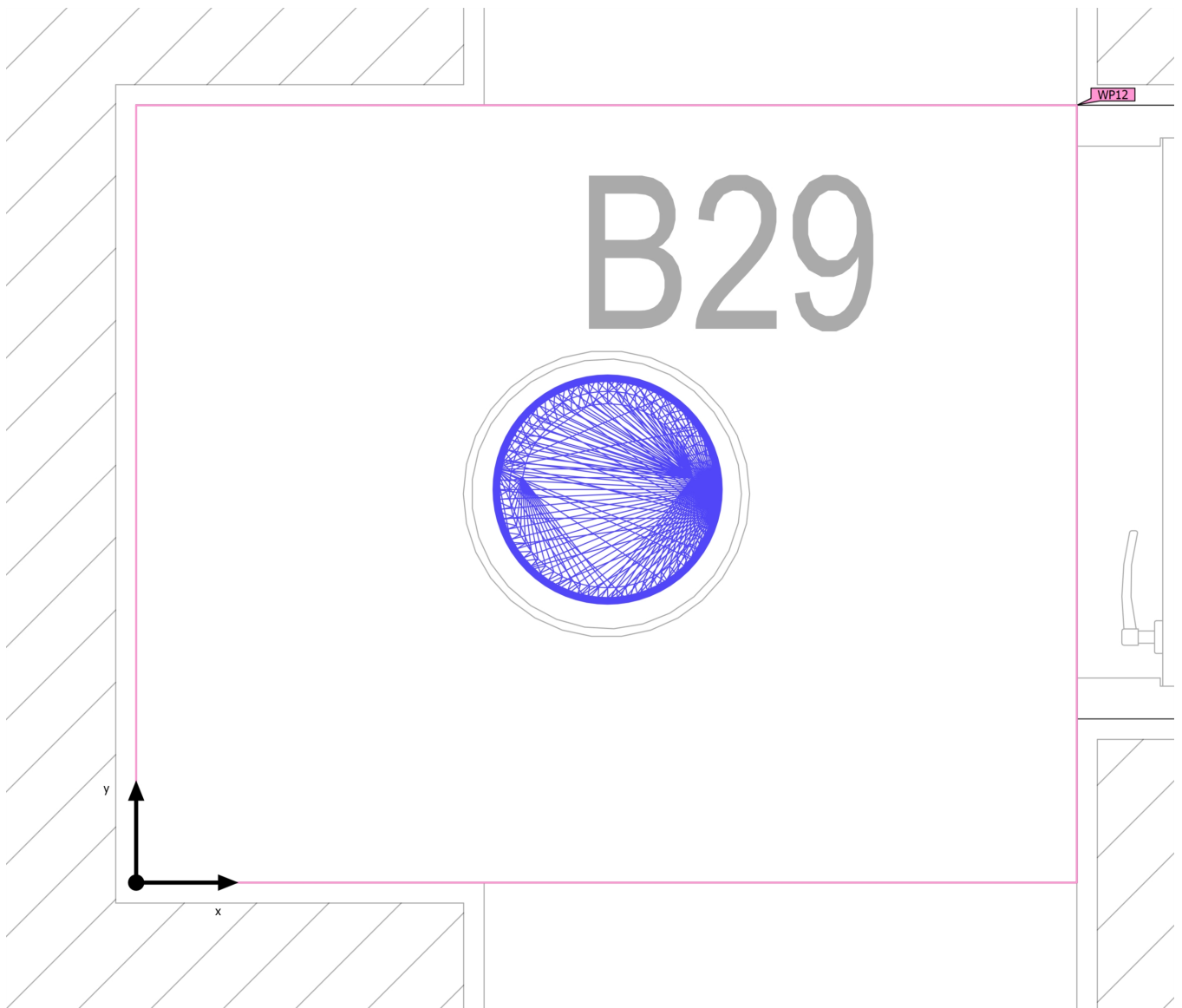
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Drivers corridor (Light scene 1)

## Calculation objects



Building 1 · GF · Drivers corridor (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Drivers corridor ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	93.6 lx	90.9 lx	95.7 lx	0.97	0.95	WP12

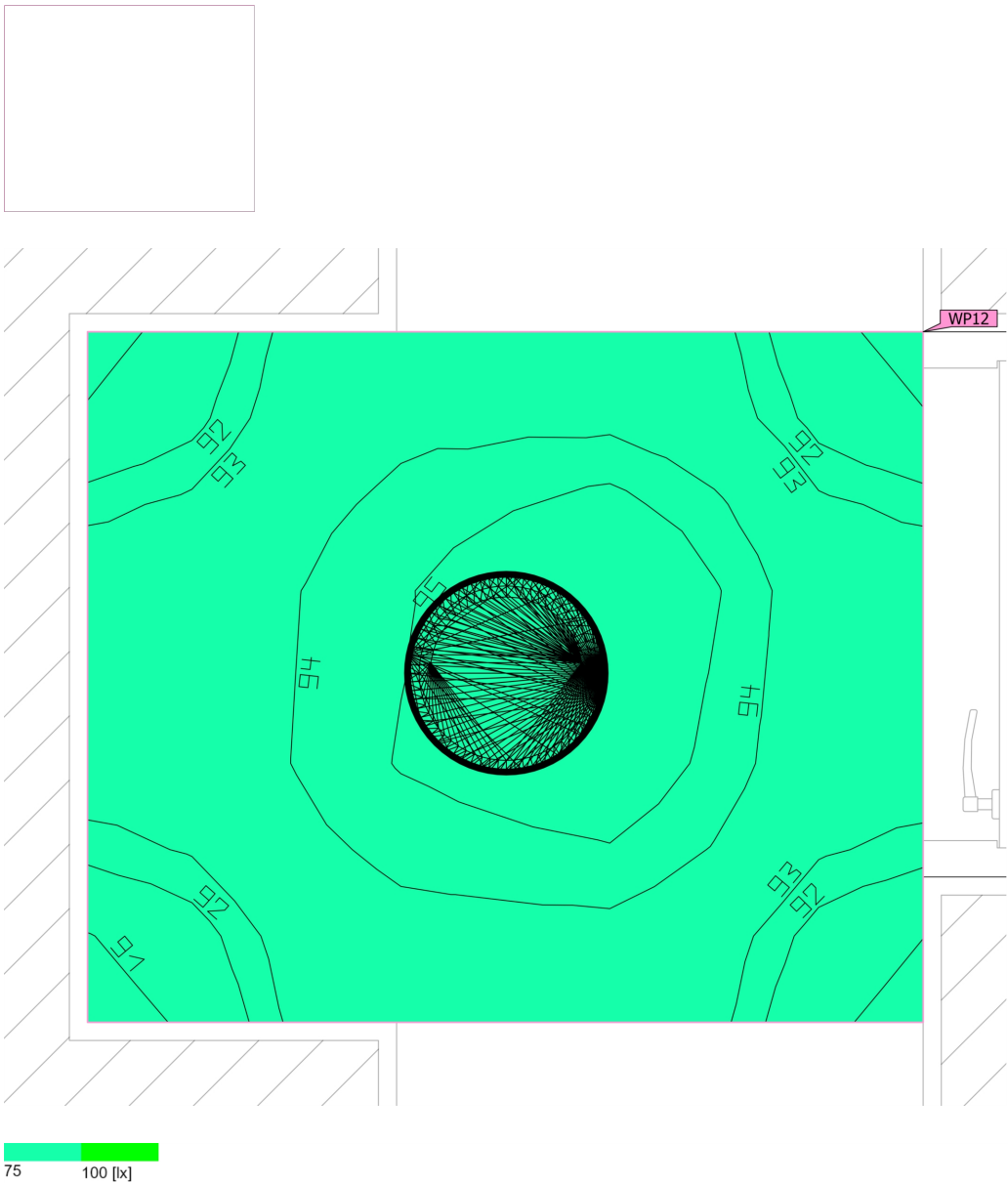
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Drivers corridor (Light scene 1)

Working plane (Drivers corridor )



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Drivers corridor )	93.6 lx	90.9 lx	95.7 lx	0.97	0.95	WP12
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · Drivers corridor (Light scene 1)

## **Working plane (Drivers corridor )**

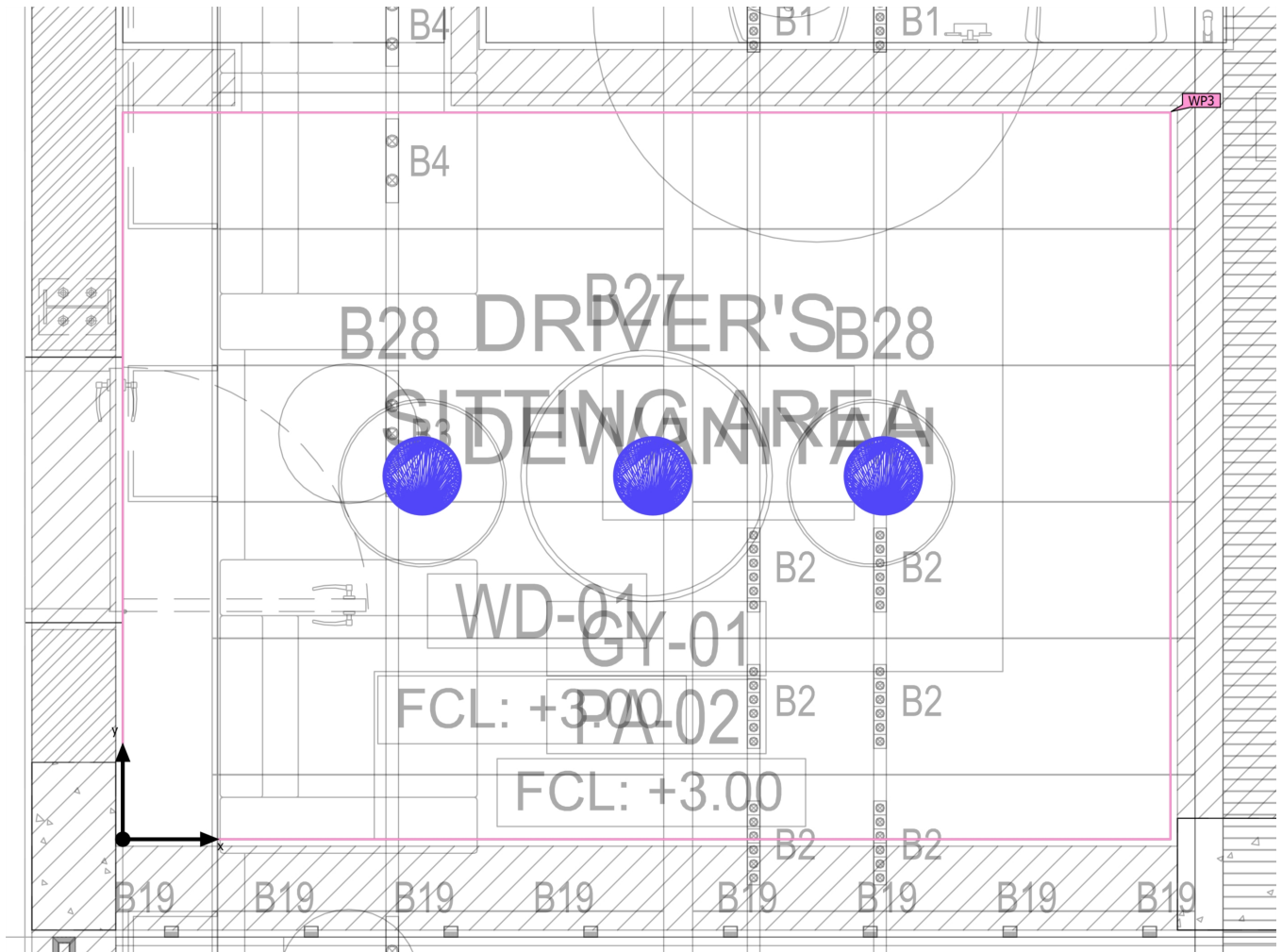
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · DRIVER'S SITTING AREA (Light scene 1)

## Calculation objects



Building 1 · GF · DRIVER'S SITTING AREA (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (DRIVER'S SITTING AREA ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	222 lx	159 lx	272 lx	0.72	0.58	WP3

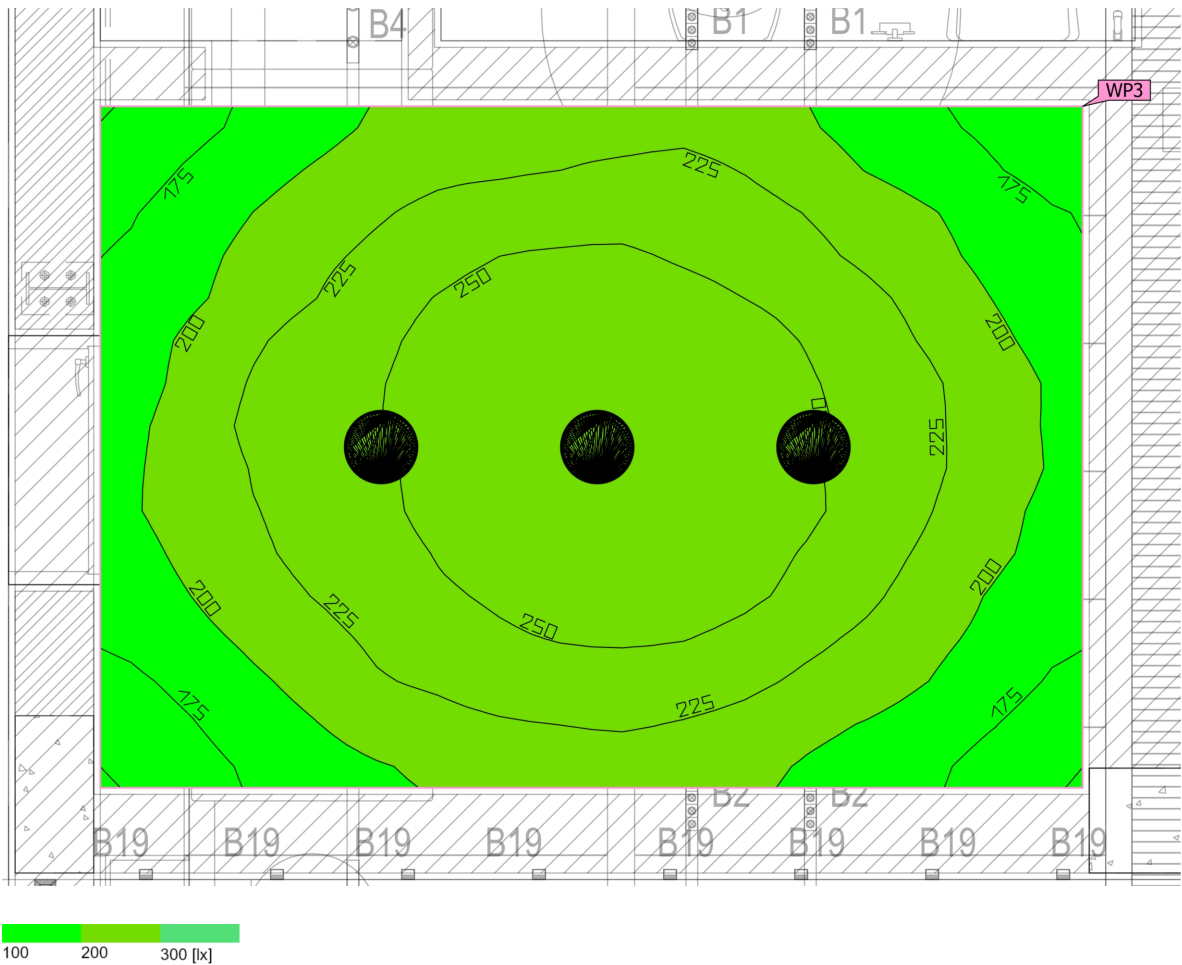
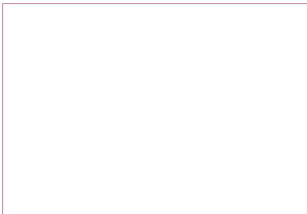
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · DRIVER'S SITTING AREA (Light scene 1)

Working plane (DRIVER'S SITTING AREA )



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (DRIVER'S SITTING AREA )	222 lx	159 lx	272 lx	0.72	0.58	WP3
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · DRIVER'S SITTING AREA (Light scene 1)

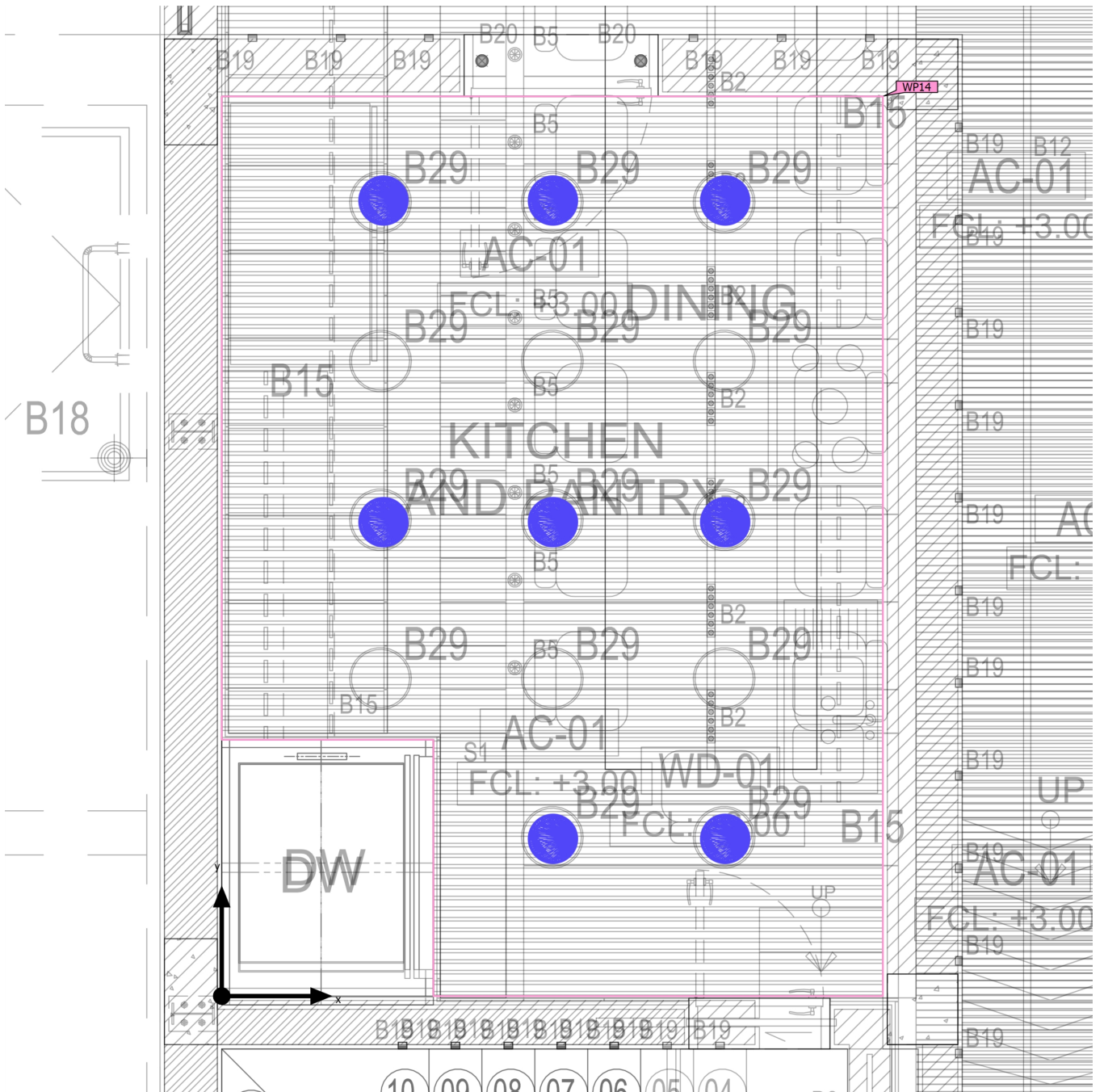
## **Working plane (DRIVER'S SITTING AREA )**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · KITCHEN AND PANTRY (Light scene 1)

**Calculation objects**

Building 1 · GF · KITCHEN AND PANTRY (Light scene 1)

## Calculation objects

### Working planes

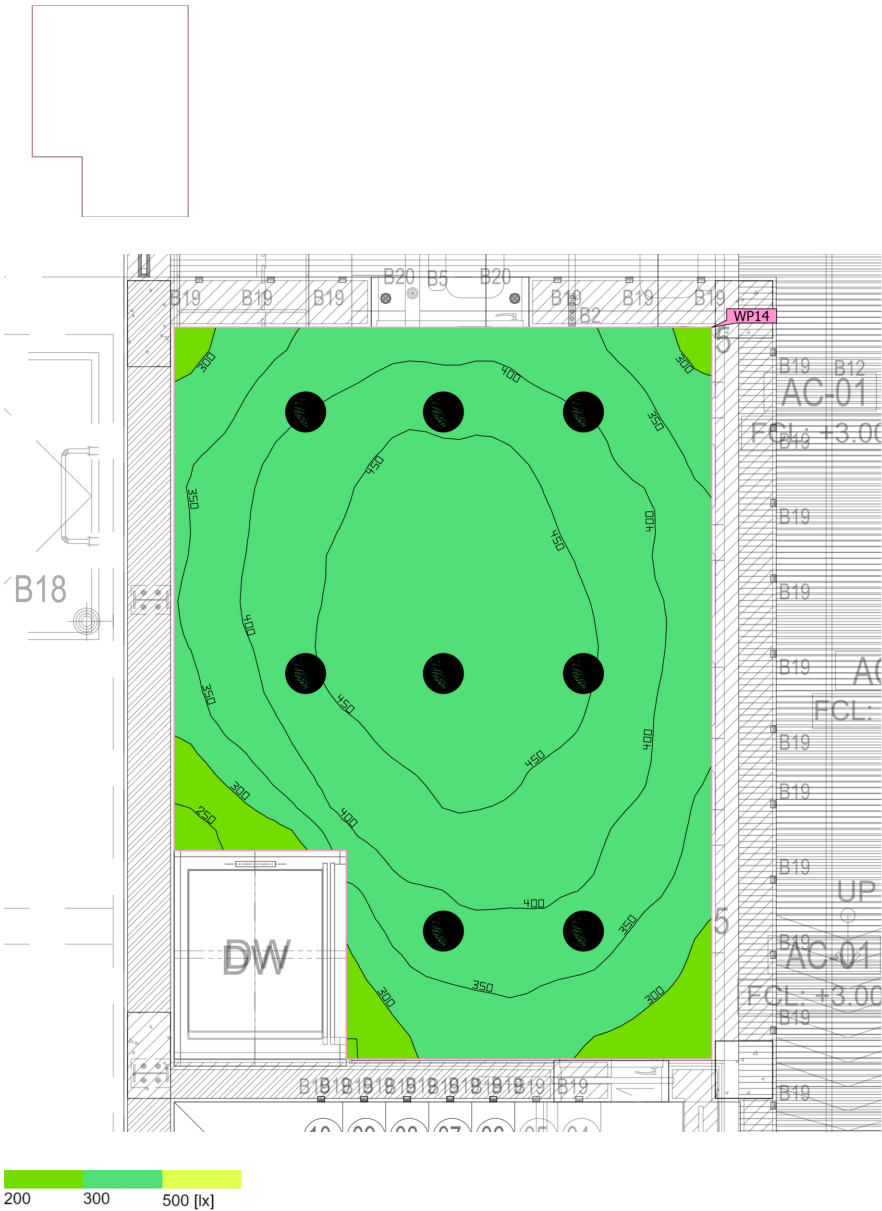
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (KITCHEN AND PANTRY ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	396 lx	233 lx	490 lx	0.59	0.48	WP14

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · KITCHEN AND PANTRY (Light scene 1)  
**Working plane (KITCHEN AND PANTRY )**



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (KITCHEN AND PANTRY ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	396 lx	233 lx	490 lx	0.59	0.48	WP14

Building 1 · GF · KITCHEN AND PANTRY (Light scene 1)

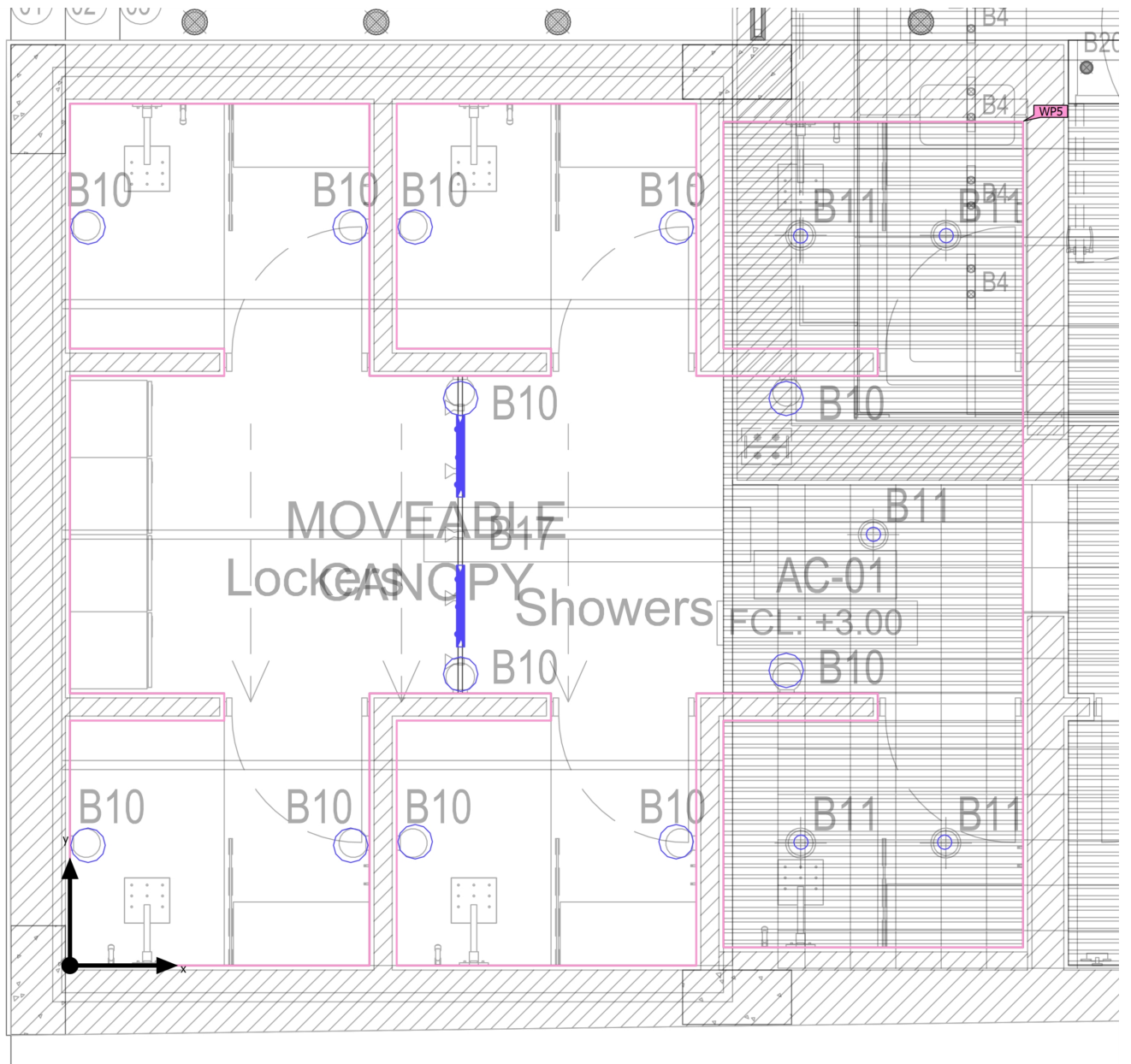
## **Working plane (KITCHEN AND PANTRY )**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Lockers - Showers - AC-01 (Light scene 1)

**Calculation objects**

Building 1 · GF · Lockers - Showers - AC-01 (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Lockers - Showers - AC-01) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	172 lx	31.1 lx	658 lx	0.18	0.047	WP5

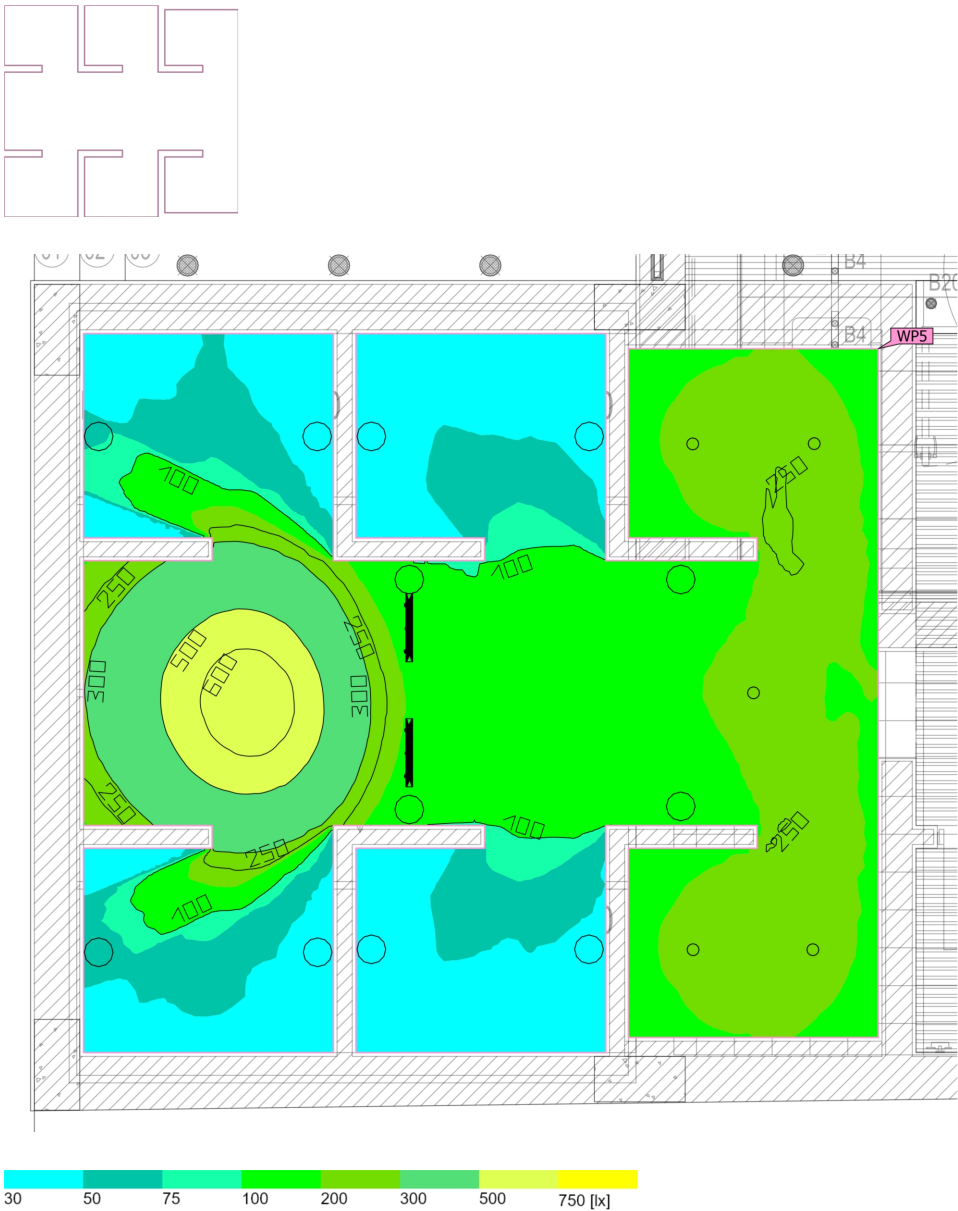
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Lockers - Showers - AC-01 (Light scene 1)

Working plane (Lockers - Showers - AC-01)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Lockers - Showers - AC-01)	172 lx	31.1 lx	658 lx	0.18	0.047	WP5
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · Lockers - Showers - AC-01 (Light scene 1)

## **Working plane (Lockers - Showers - AC-01)**

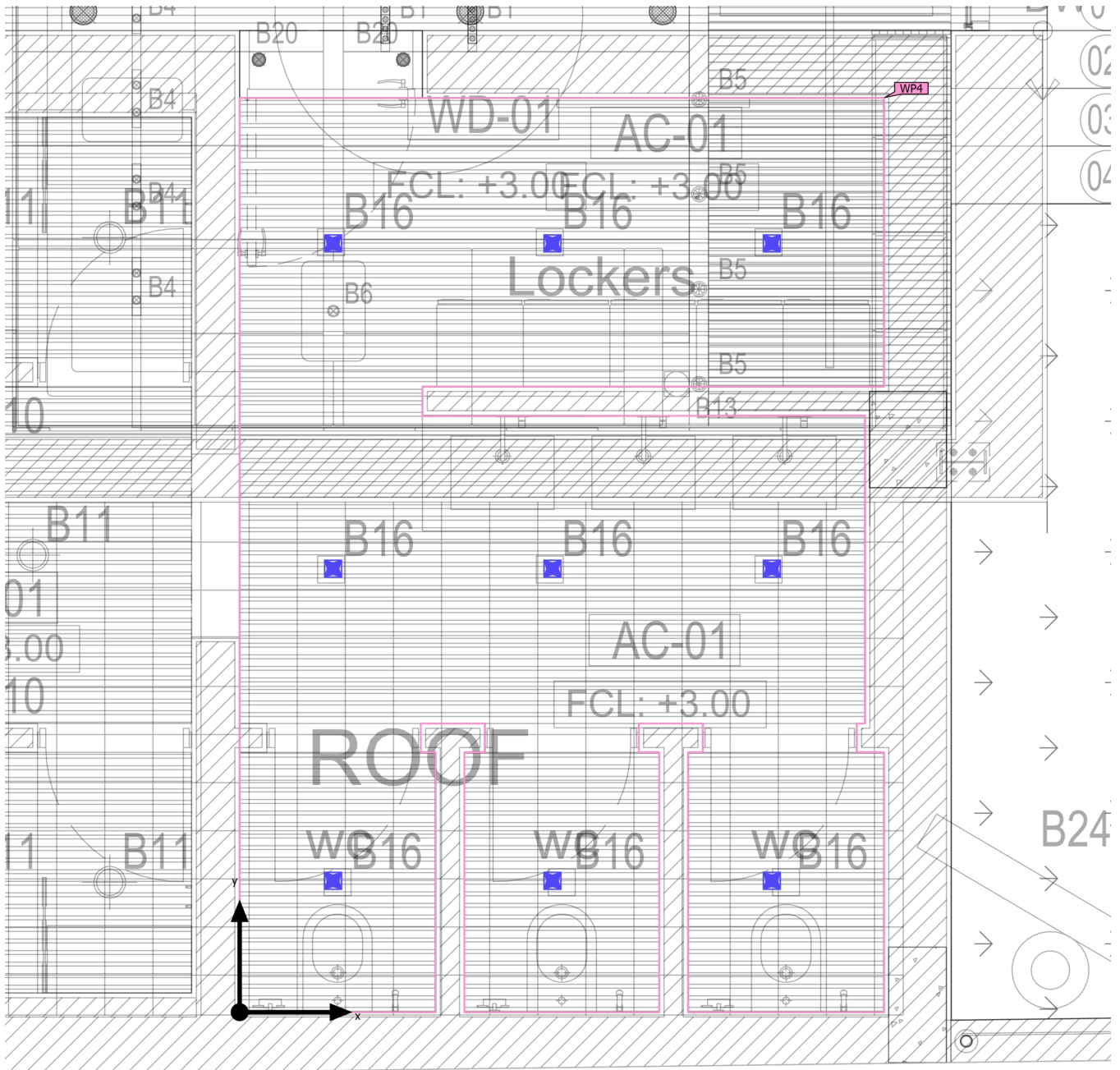
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Lockers - WC- AC-01 (Light scene 1)

## Calculation objects



Building 1 · GF · Lockers - WC- AC-01 (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Lockers - WC- AC-01) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	217 lx	88.5 lx	336 lx	0.41	0.26	WP4

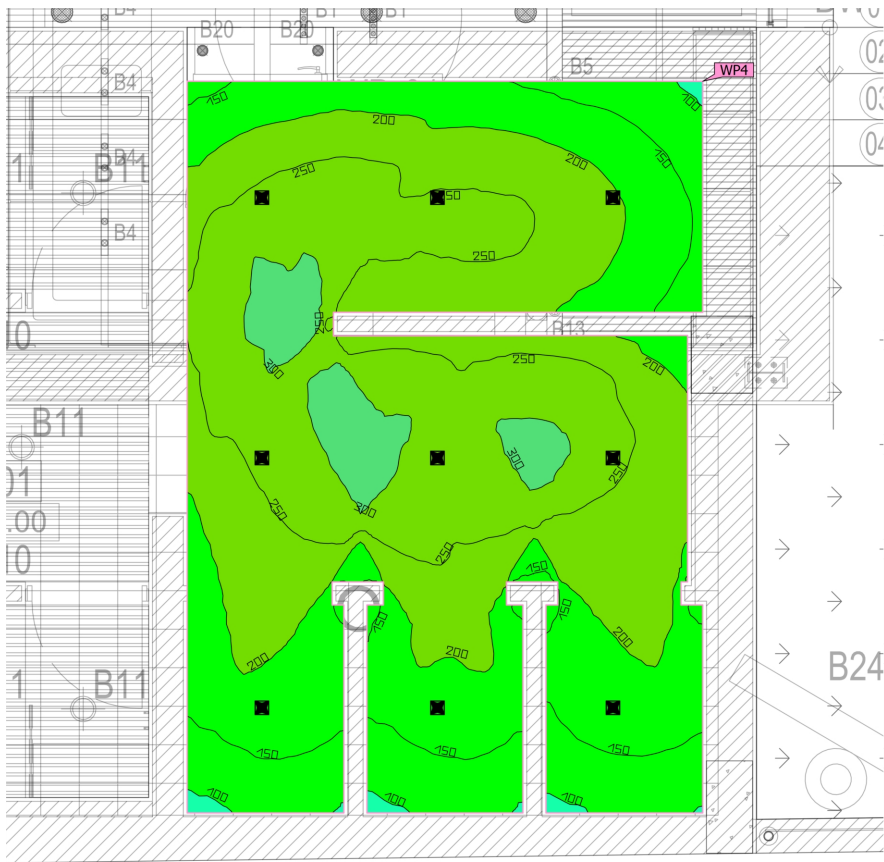
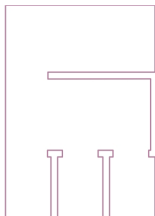
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · Lockers - WC- AC-01 (Light scene 1)

Working plane (Lockers - WC- AC-01)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (Lockers - WC- AC-01)	217 lx	88.5 lx	336 lx	0.41	0.26	WP4
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · Lockers - WC- AC-01 (Light scene 1)

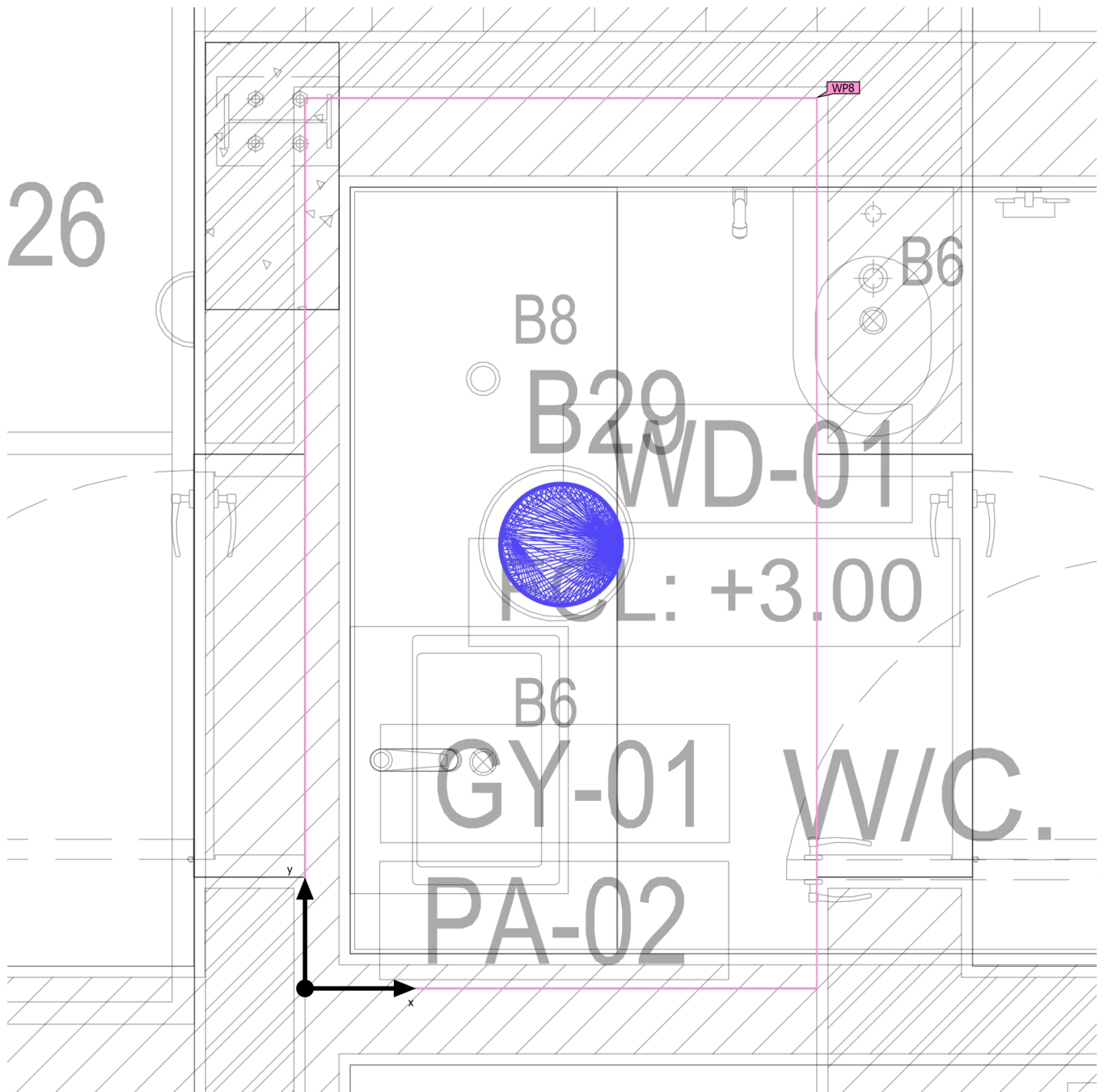
## **Working plane (Lockers - WC- AC-01)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · MAID'S CORRIDOR (Light scene 1)

**Calculation objects**

Building 1 · GF · MAID'S CORRIDOR (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (MAID'S CORRIDOR) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	91.1 lx	83.8 lx	96.1 lx	0.92	0.87	WP8

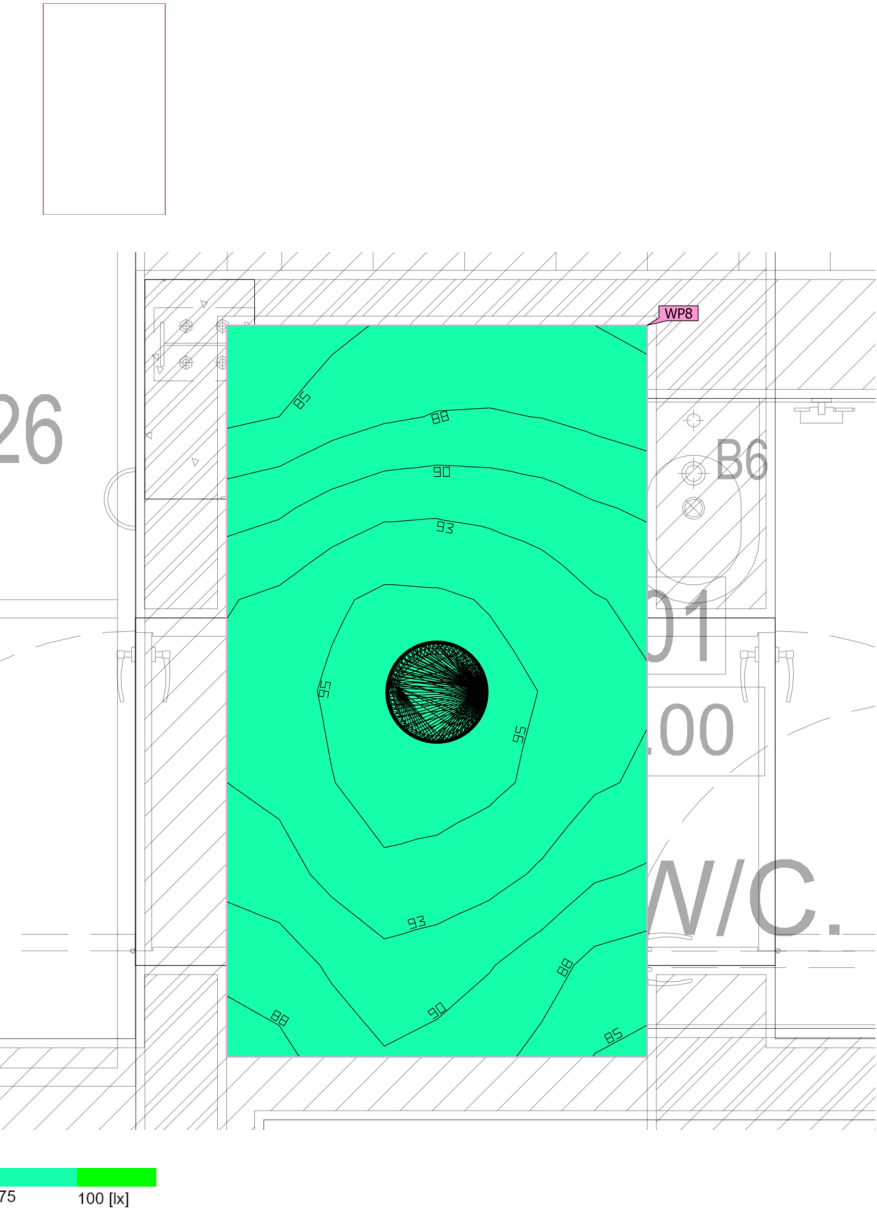
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · MAID'S CORRIDOR (Light scene 1)

Working plane (MAID'S CORRIDOR)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (MAID'S CORRIDOR) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	91.1 lx	83.8 lx	96.1 lx	0.92	0.87	WP8



Building 1 · GF · MAID'S CORRIDOR (Light scene 1)

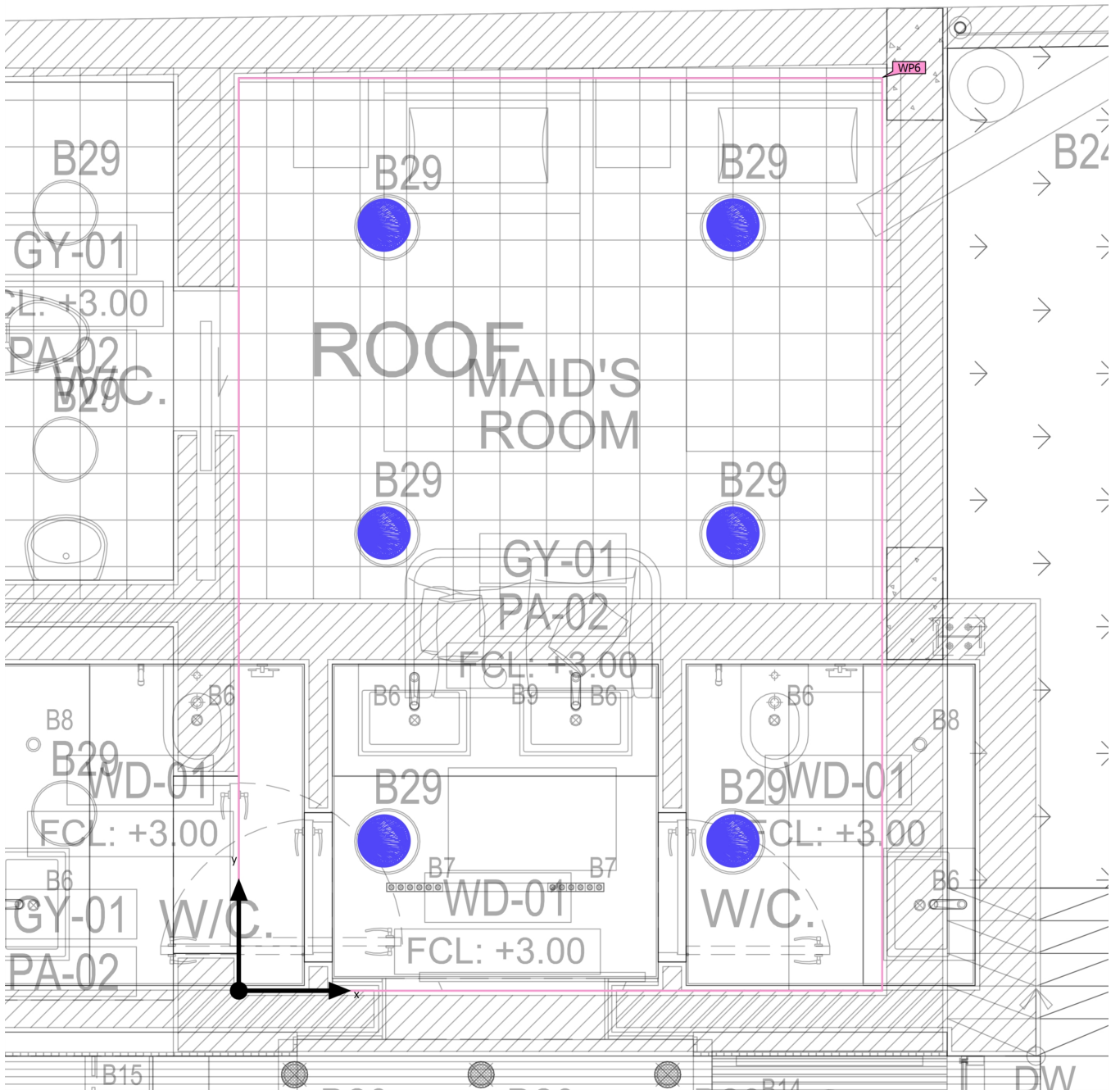
## **Working plane (MAID'S CORRIDOR)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · MAID'S ROOM (Light scene 1)

**Calculation objects**

Building 1 · GF · MAID'S ROOM (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (MAID'S ROOM ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	246 lx	172 lx	293 lx	0.70	0.59	WP6

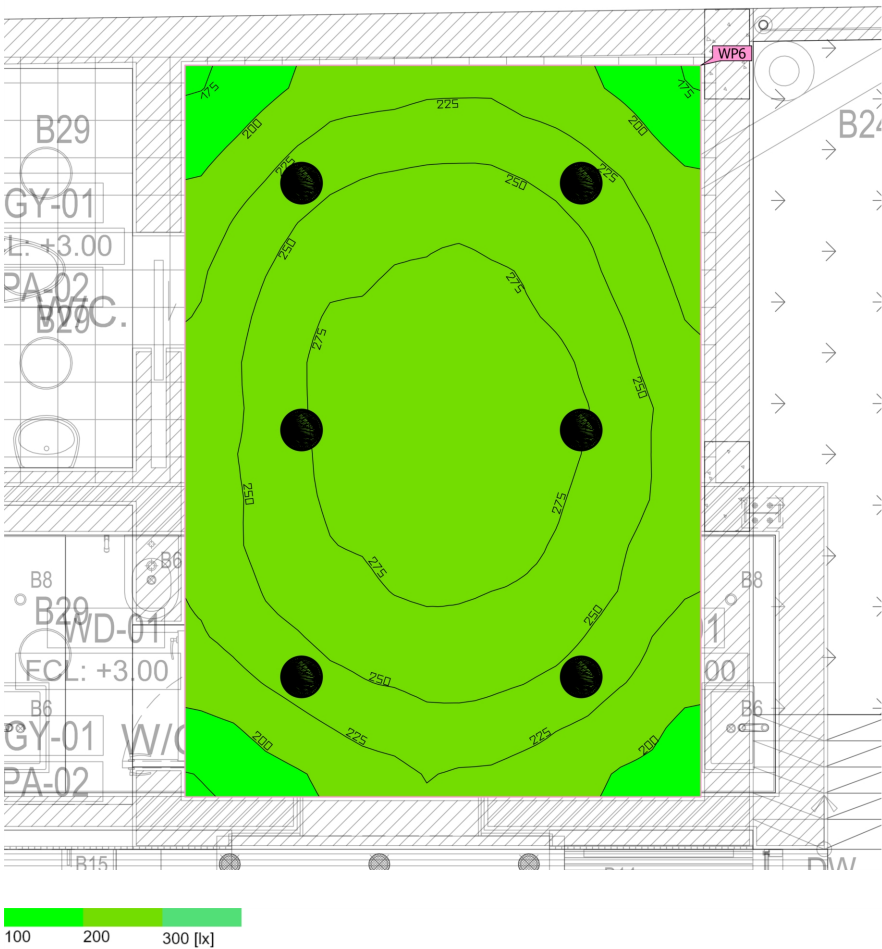
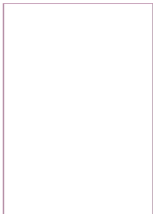
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · MAID'S ROOM (Light scene 1)

Working plane (MAID'S ROOM )



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (MAID'S ROOM )	246 lx	172 lx	293 lx	0.70	0.59	WP6
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · MAID'S ROOM (Light scene 1)

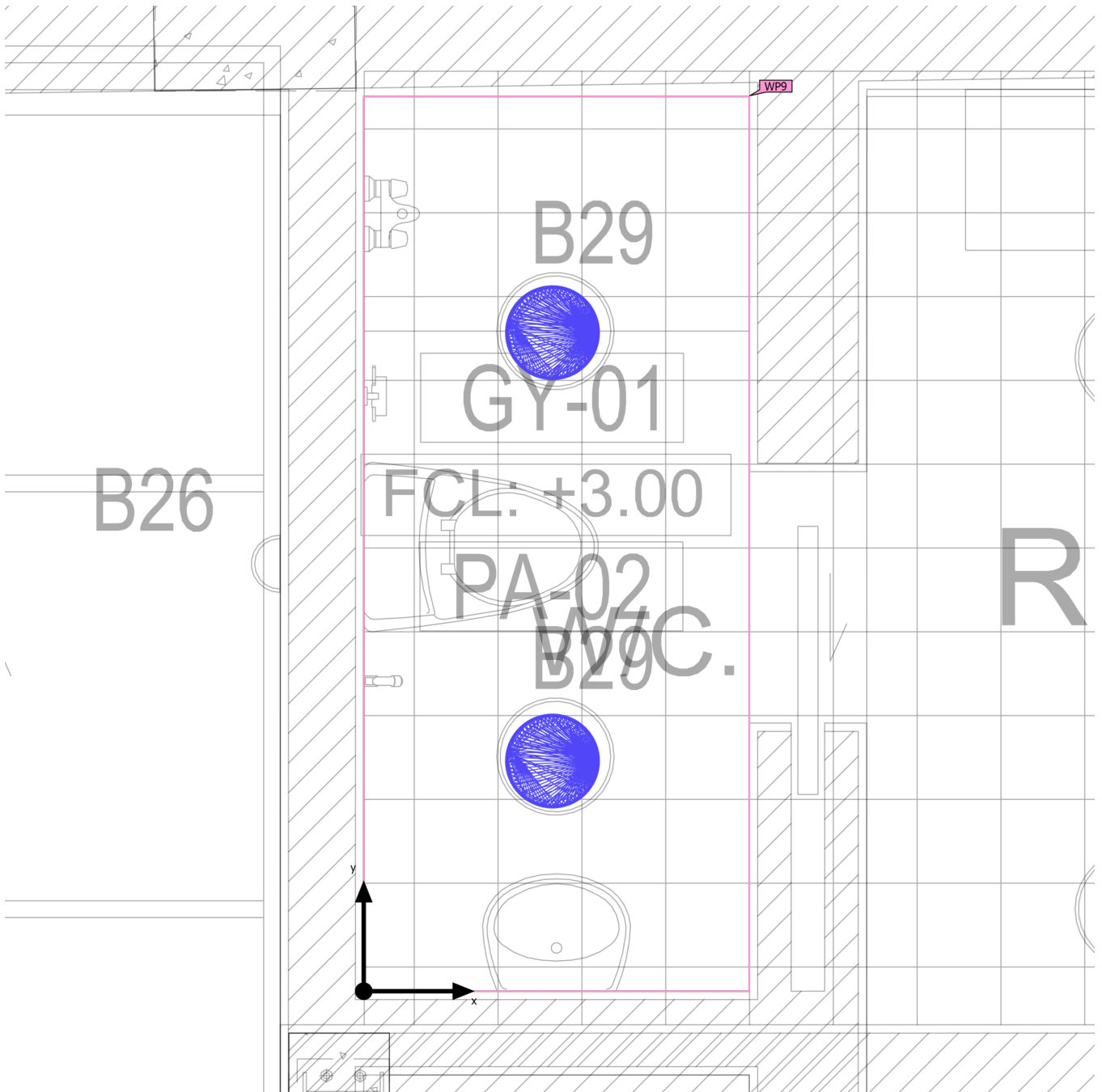
## **Working plane (MAID'S ROOM )**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · MAID'S WC (Light scene 1)

**Calculation objects**

Building 1 · GF · MAID'S WC (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (MAID'S WC) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	156 lx	137 lx	170 lx	0.88	0.81	WP9

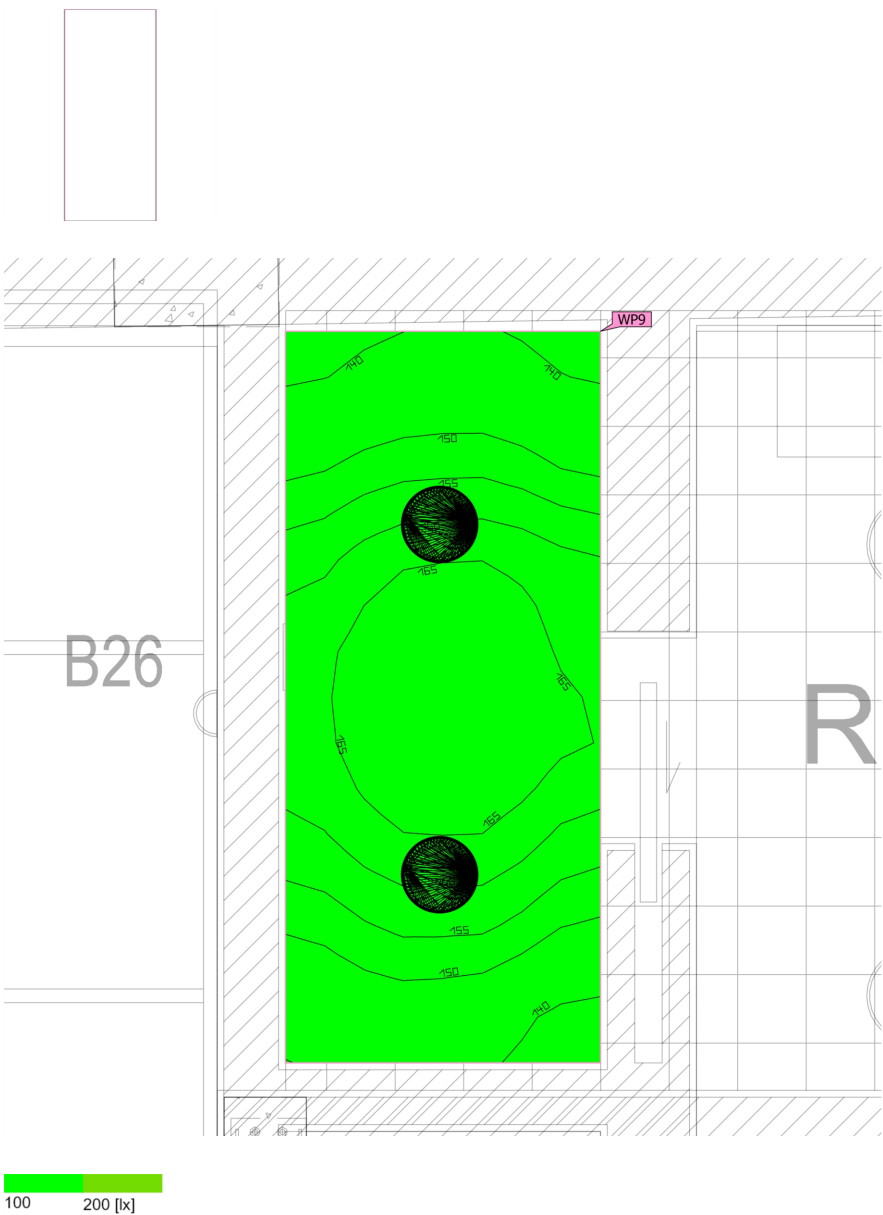
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · MAID'S WC (Light scene 1)

Working plane (MAID'S WC)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (MAID'S WC)	156 lx	137 lx	170 lx	0.88	0.81	WP9
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · MAID'S WC (Light scene 1)

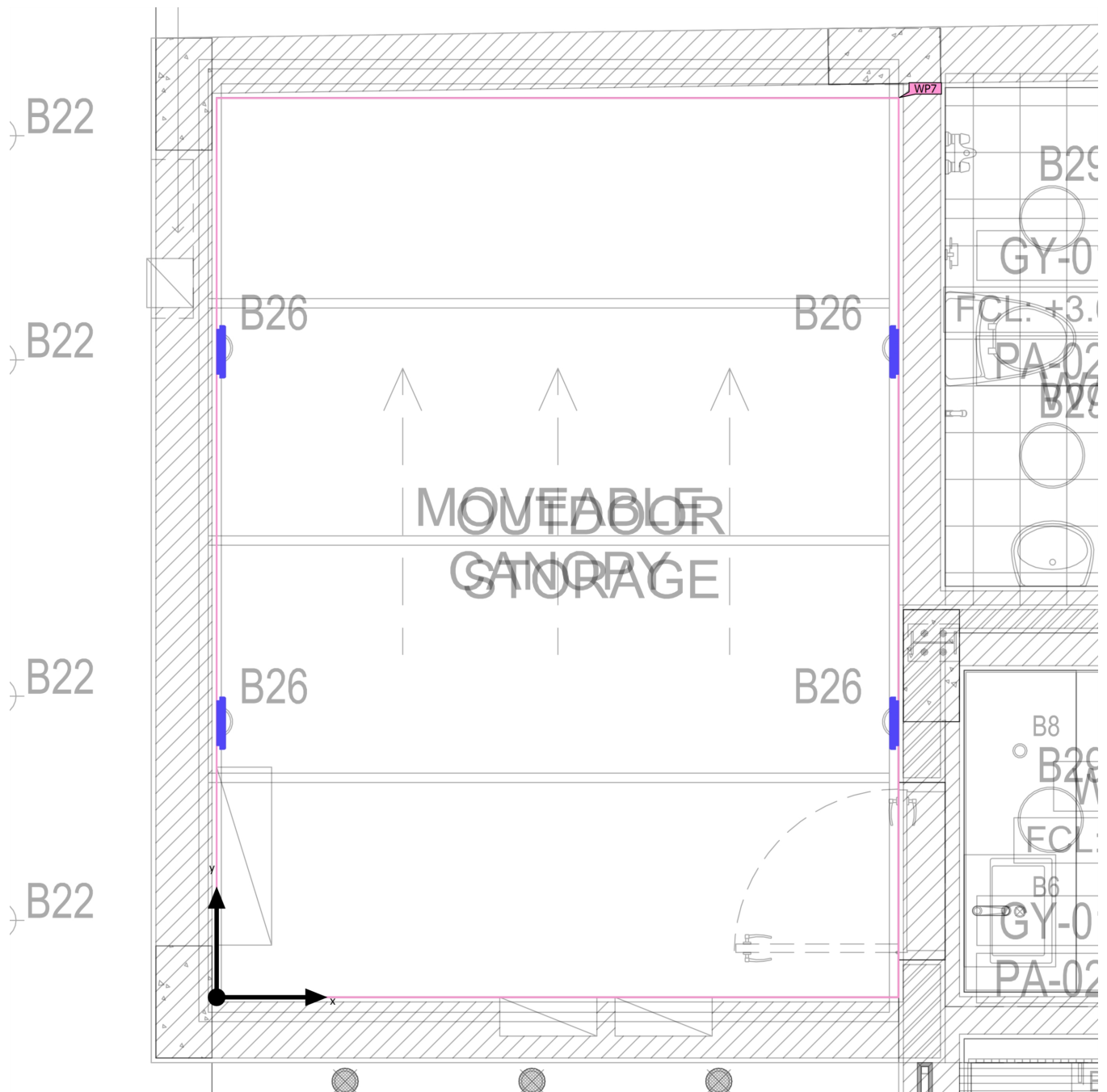
## **Working plane (MAID'S WC)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · OUTDOOR STORAGE (Light scene 1)

**Calculation objects**

Building 1 · GF · OUTDOOR STORAGE (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (OUTDOOR STORAGE) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	154 lx	80.8 lx	210 lx	0.52	0.38	WP7

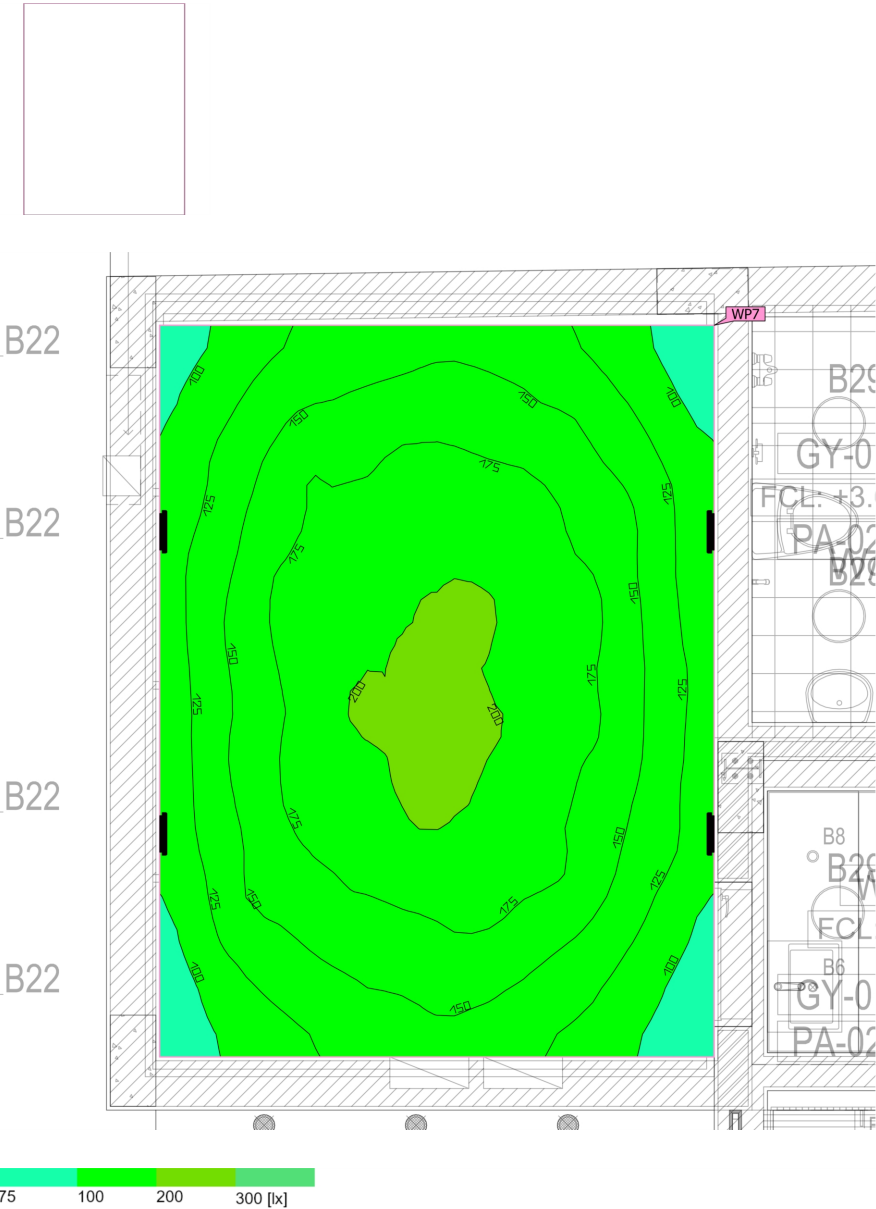
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · OUTDOOR STORAGE (Light scene 1)

Working plane (OUTDOOR STORAGE)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (OUTDOOR STORAGE)	154 lx	80.8 lx	210 lx	0.52	0.38	WP7
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · OUTDOOR STORAGE (Light scene 1)

## **Working plane (OUTDOOR STORAGE)**

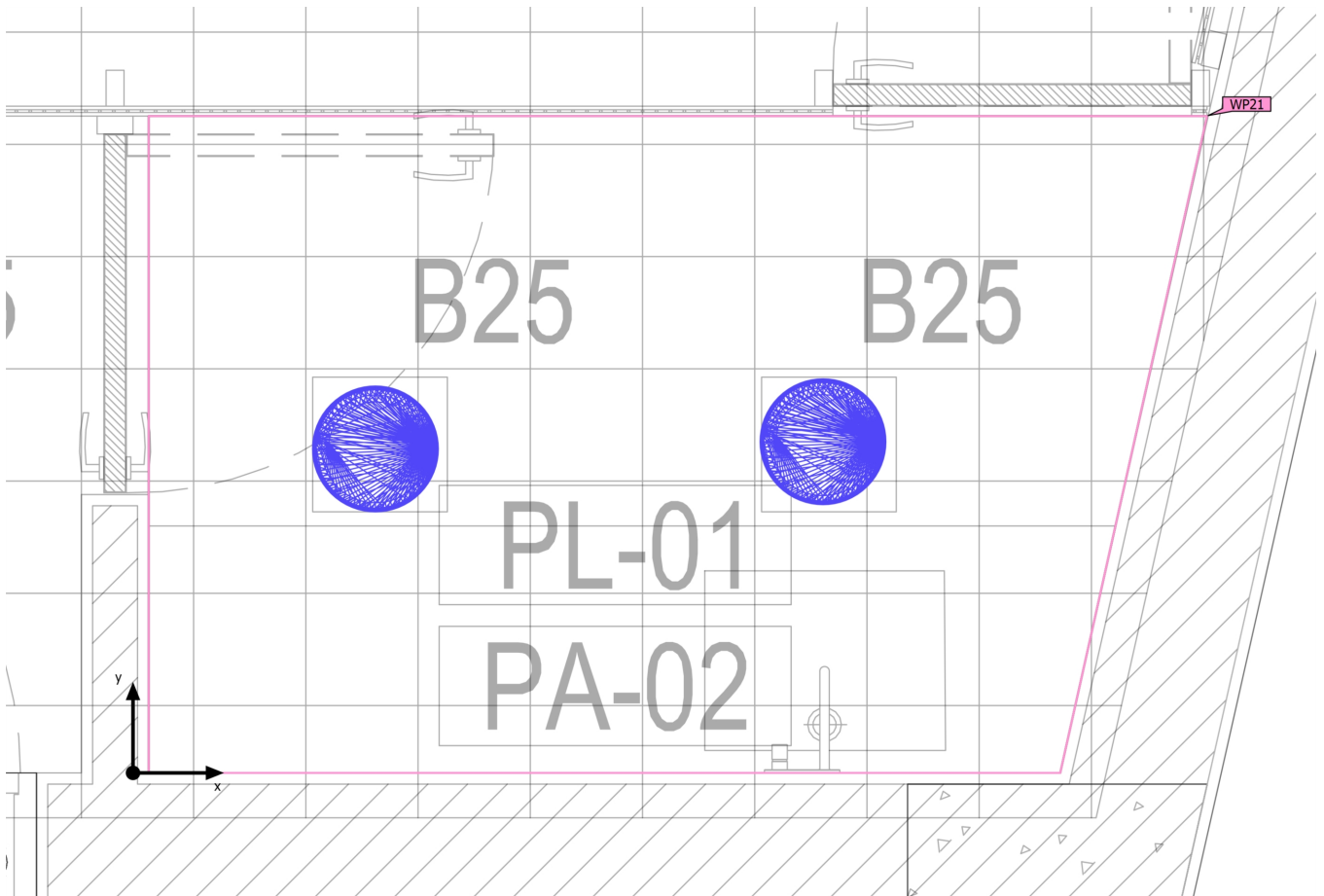
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · PL-01/PA-02 (Light scene 1)

## Calculation objects



Building 1 · GF · PL-01/PA-02 (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (PL-01/PA-02) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	167 lx	141 lx	185 lx	0.84	0.76	WP21

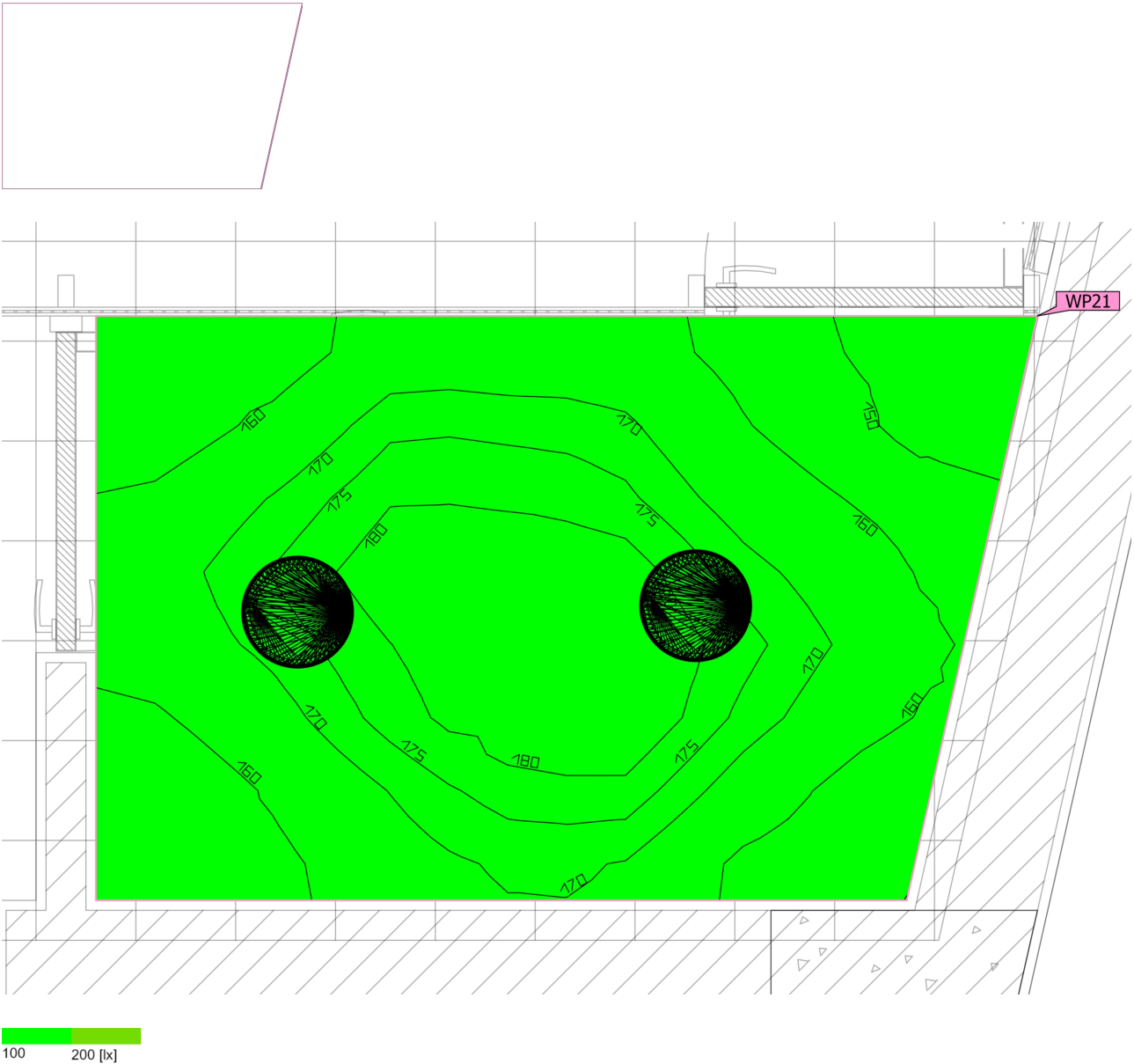
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · PL-01/PA-02 (Light scene 1)

Working plane (PL-01/PA-02)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (PL-01/PA-02)	167 lx	141 lx	185 lx	0.84	0.76	WP21
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · PL-01/PA-02 (Light scene 1)

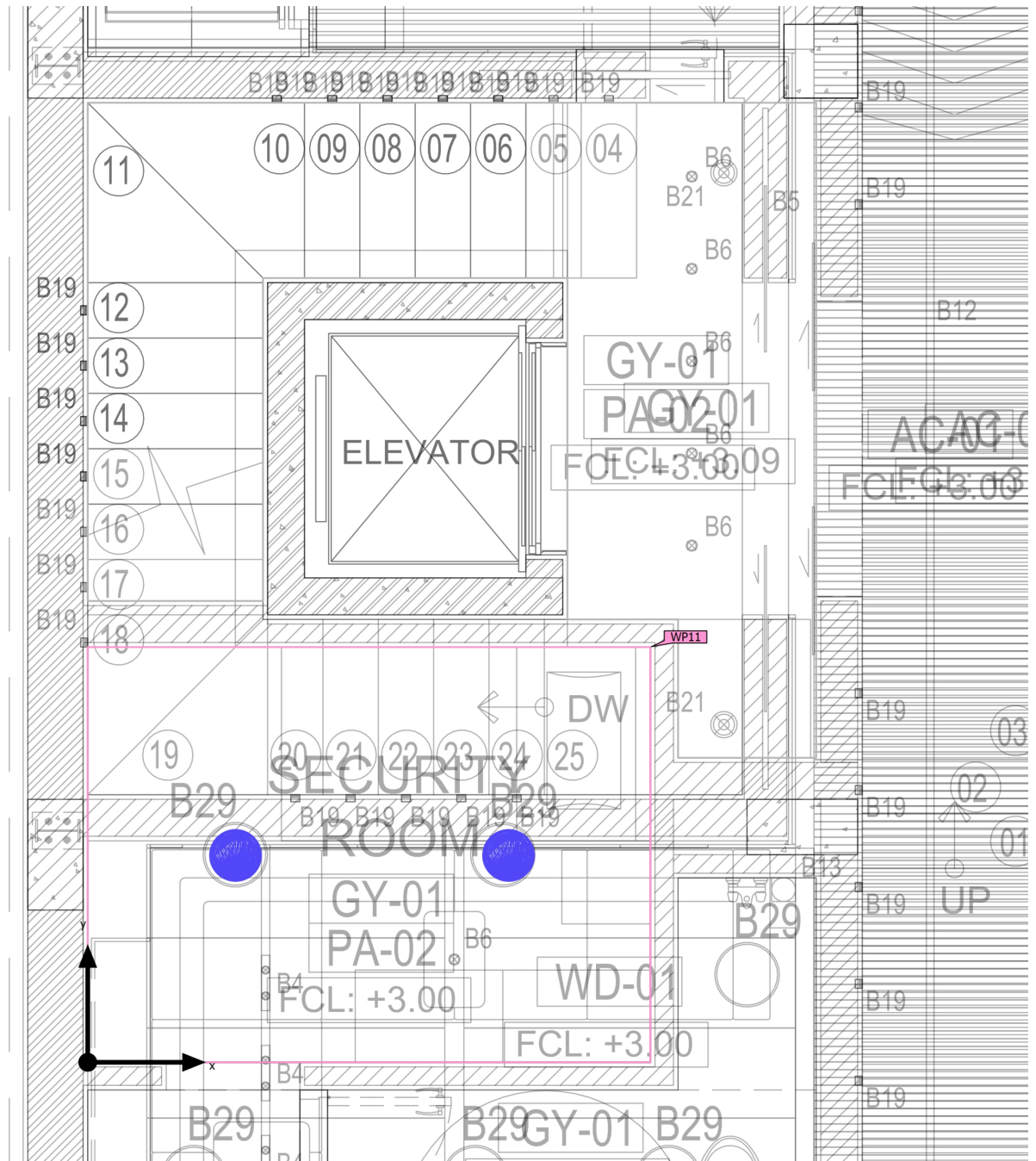
## **Working plane (PL-01/PA-02)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · SECURITY ROOM (Light scene 1)

**Calculation objects**

Building 1 · GF · SECURITY ROOM (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (SECURITY ROOM ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	135 lx	108 lx	156 lx	0.80	0.69	WP11

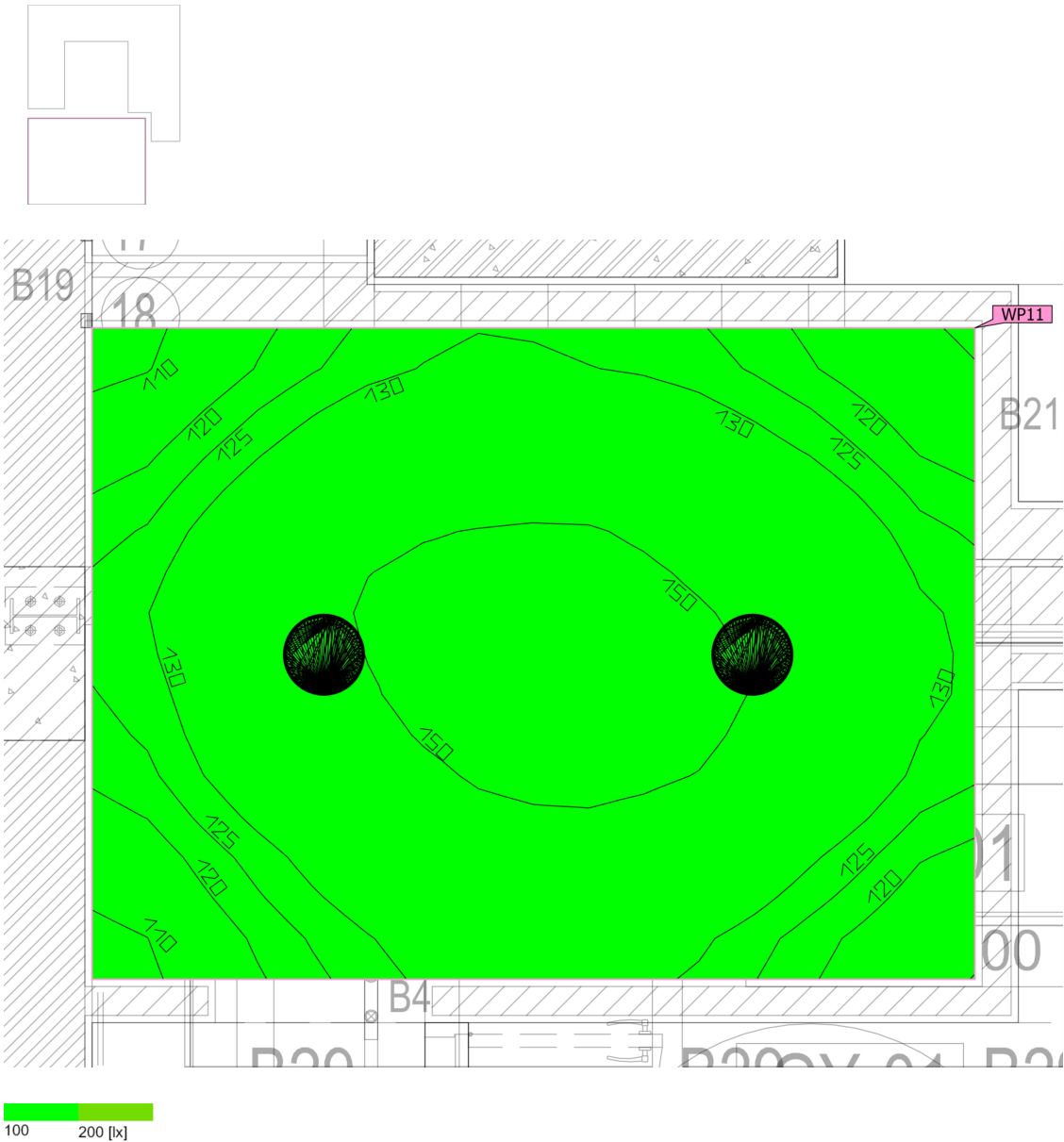
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · SECURITY ROOM (Light scene 1)

Working plane (SECURITY ROOM )



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (SECURITY ROOM )	135 lx	108 lx	156 lx	0.80	0.69	WP11
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · SECURITY ROOM (Light scene 1)

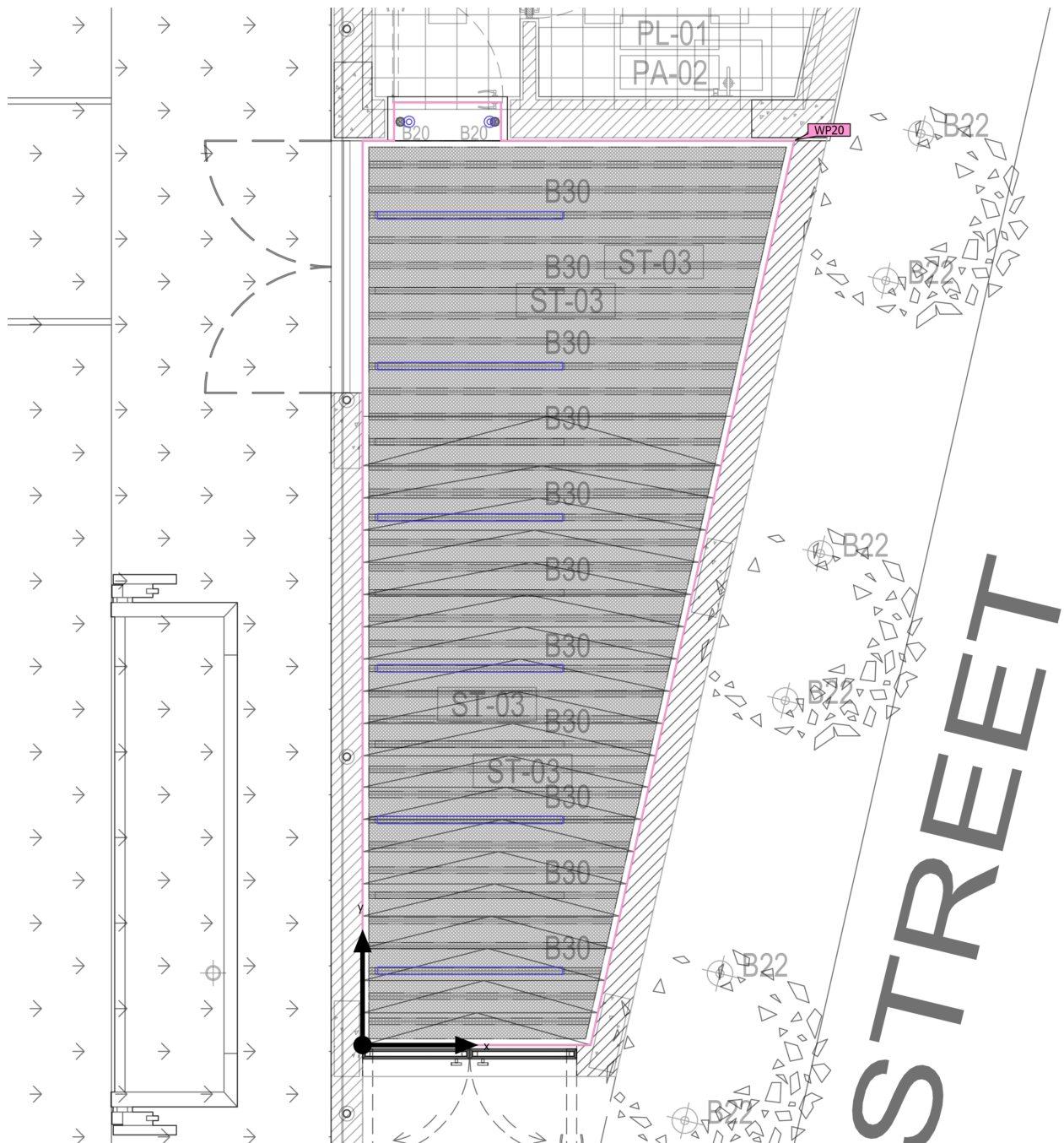
## **Working plane (SECURITY ROOM )**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · ST-03 (Light scene 1)

**Calculation objects**

Building 1 · GF · ST-03 (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (ST-03) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	515 lx	175 lx	677 lx	0.34	0.26	WP20

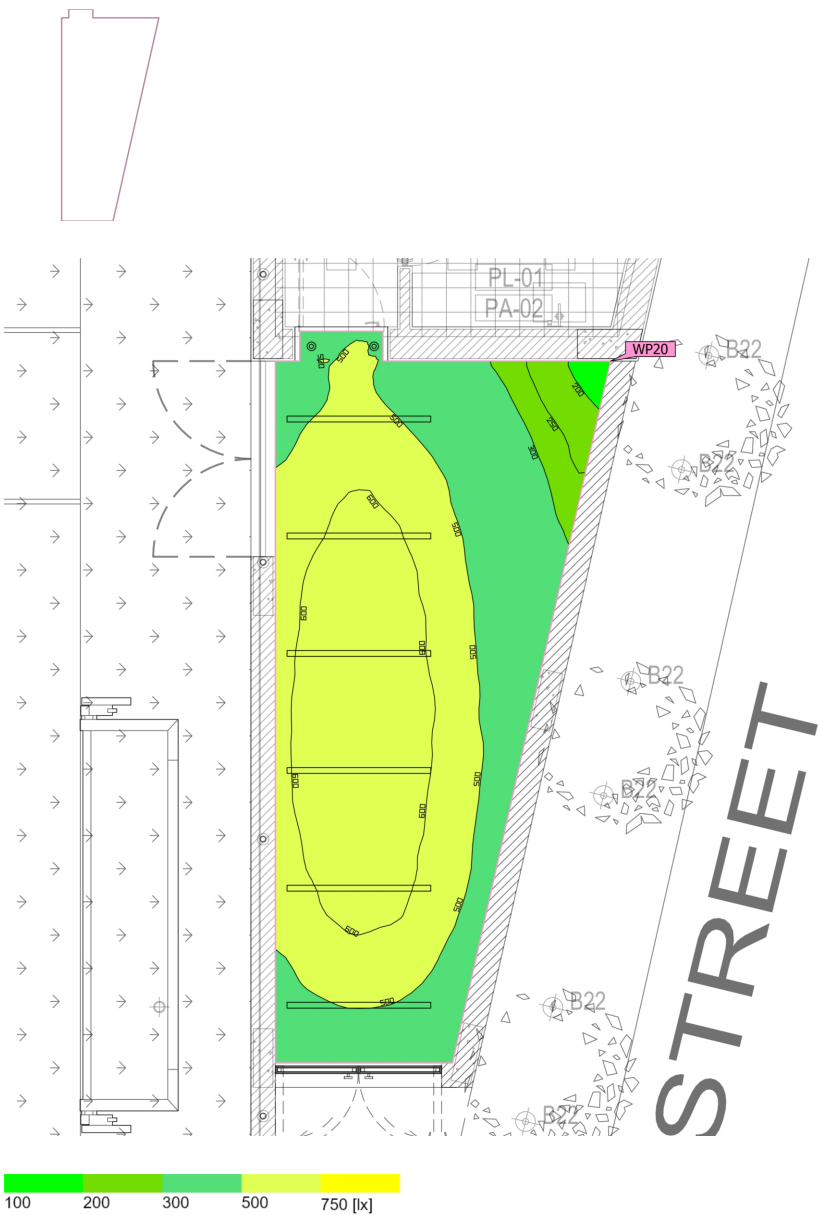
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · ST-03 (Light scene 1)

Working plane (ST-03)



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (ST-03)	515 lx	175 lx	677 lx	0.34	0.26	WP20
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · ST-03 (Light scene 1)

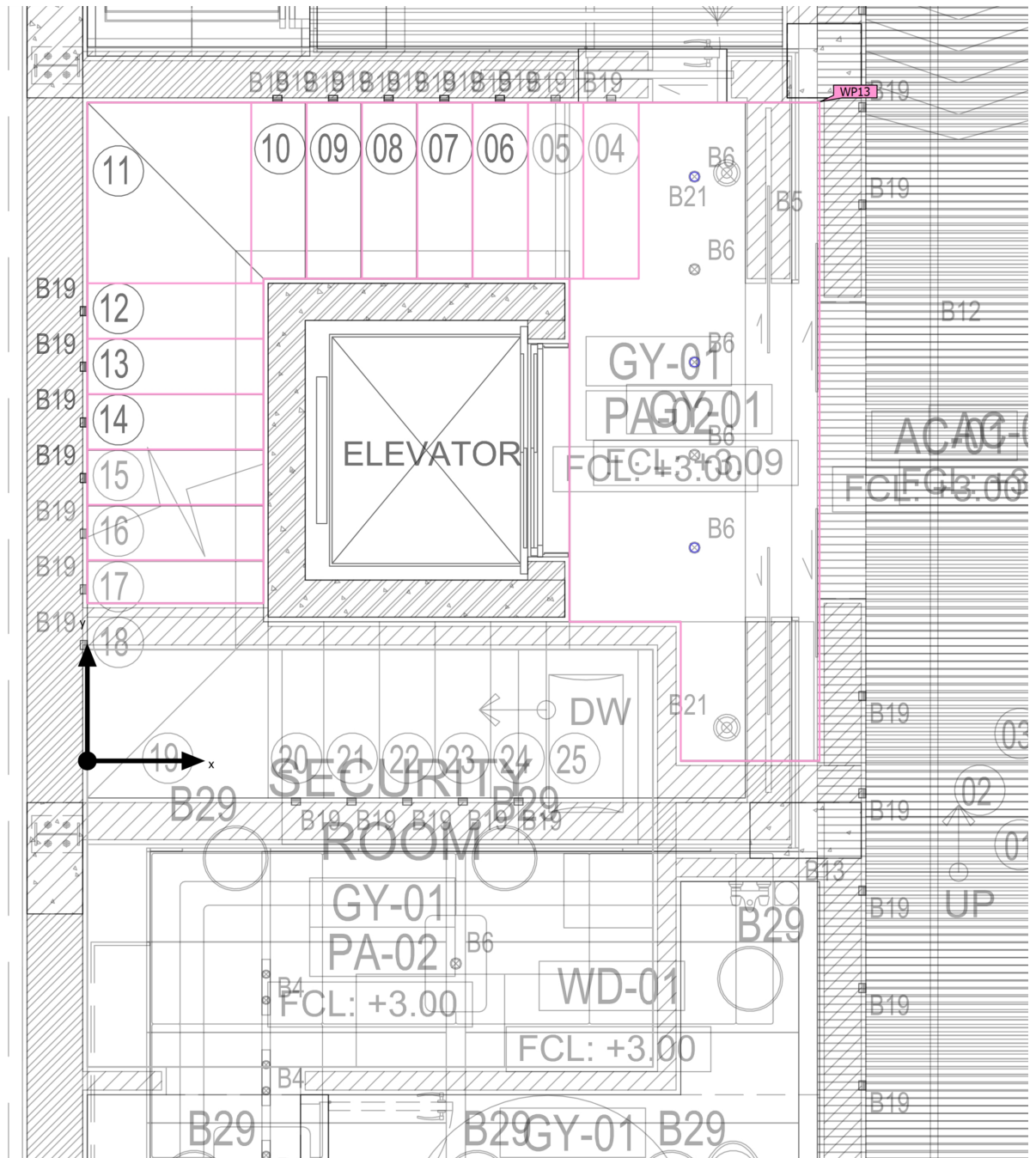
## **Working plane (ST-03)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · STAIRS (Light scene 1)

**Calculation objects**

Building 1 · GF · STAIRS (Light scene 1)

**Calculation objects**

## Working planes

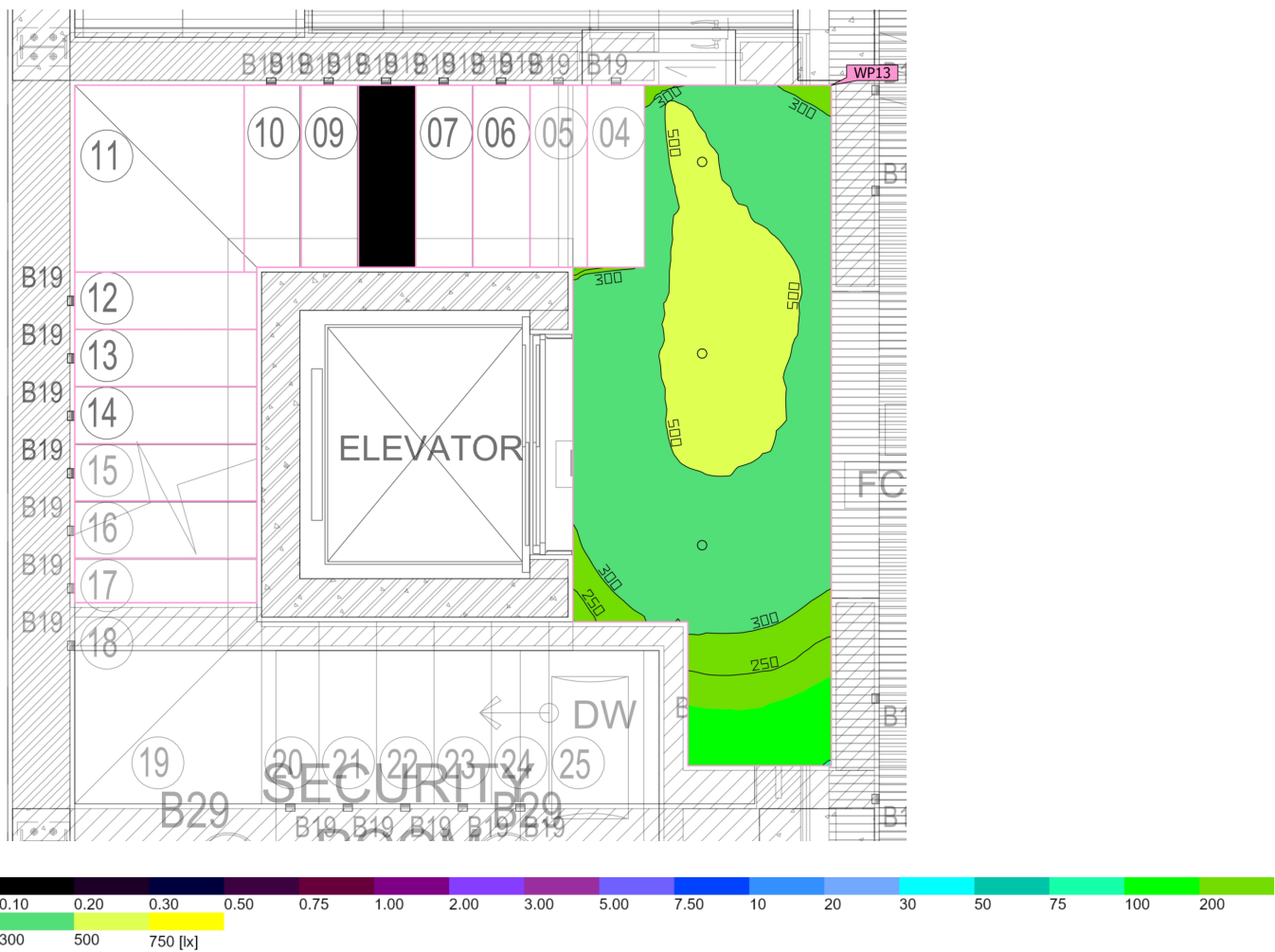
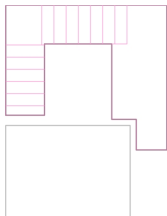
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (STAIRS) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	379 lx	0.00 lx	577 lx	0.00	0.00	WP13

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · STAIRS (Light scene 1)  
**Working plane (STAIRS)**



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (STAIRS)	379 lx	0.00 lx	577 lx	0.00	0.00	WP13
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · GF · STAIRS (Light scene 1)

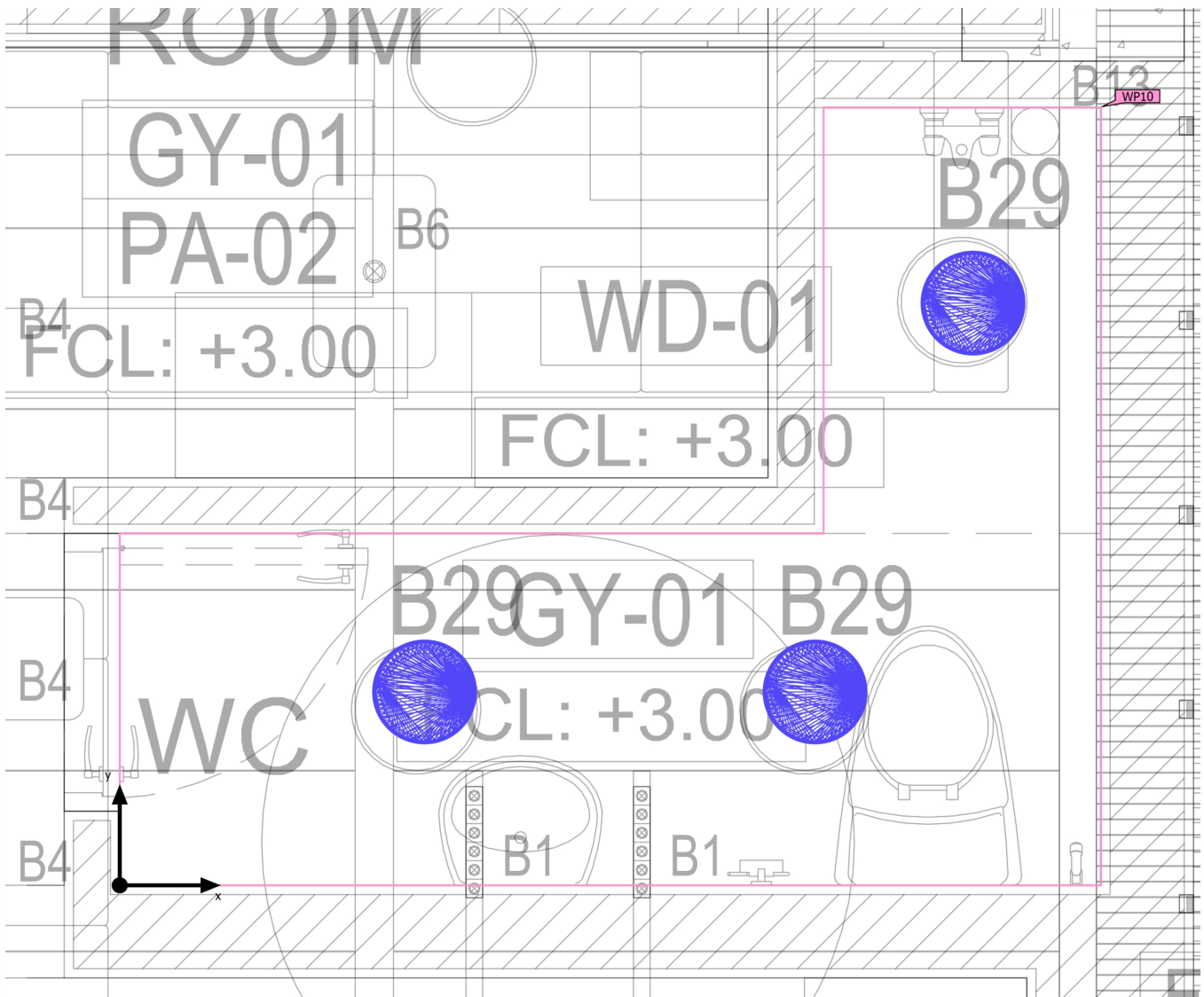
## **Working plane (STAIRS)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · WC (Light scene 1)

**Calculation objects**

Building 1 · GF · WC (Light scene 1)

## Calculation objects

### Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC ) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	179 lx	132 lx	223 lx	0.74	0.59	WP10

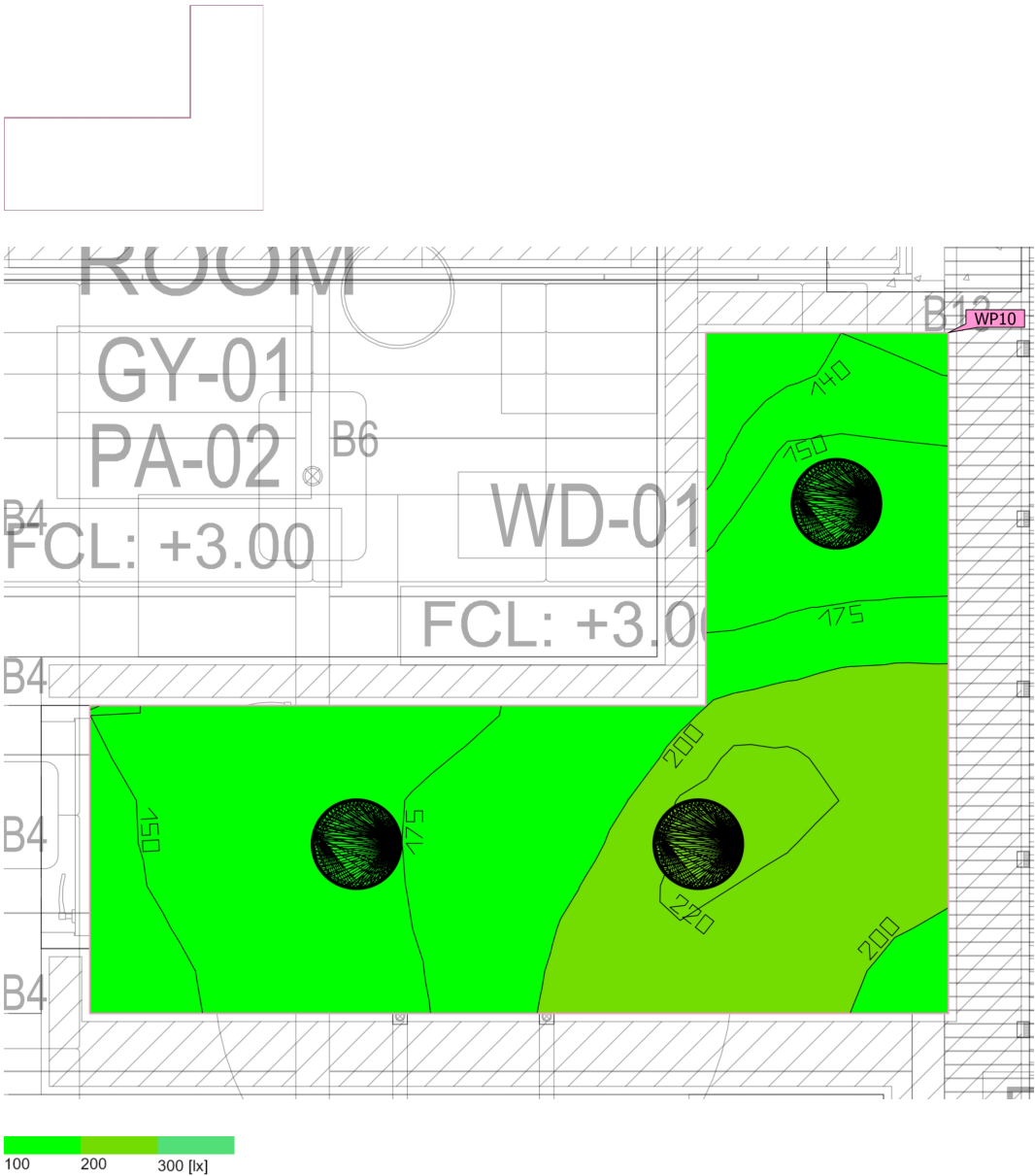
Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · GF · WC (Light scene 1)

Working plane (WC )



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC )	179 lx	132 lx	223 lx	0.74	0.59	WP10
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						



Building 1 · GF · WC (Light scene 1)

## **Working plane (WC )**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF (Light scene 1)

**Calculation objects**

Building 1 · FF (Light scene 1)

**Calculation objects**

## Working planes

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 1) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	472 lx	52.1 lx	910 lx	0.11	0.057	WP15
Working plane (WC 2) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	536 lx	219 lx	970 lx	0.41	0.23	WP16
Working plane (WC 3) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	503 lx	64.8 lx	898 lx	0.13	0.072	WP17
Working plane (STAIRS) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	18.6 lx	0.009 lx	121 lx	0.000	0.000	WP18
Working plane (DEWANIYAH) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	639 lx	161 lx	1698 lx	0.25	0.095	WP19

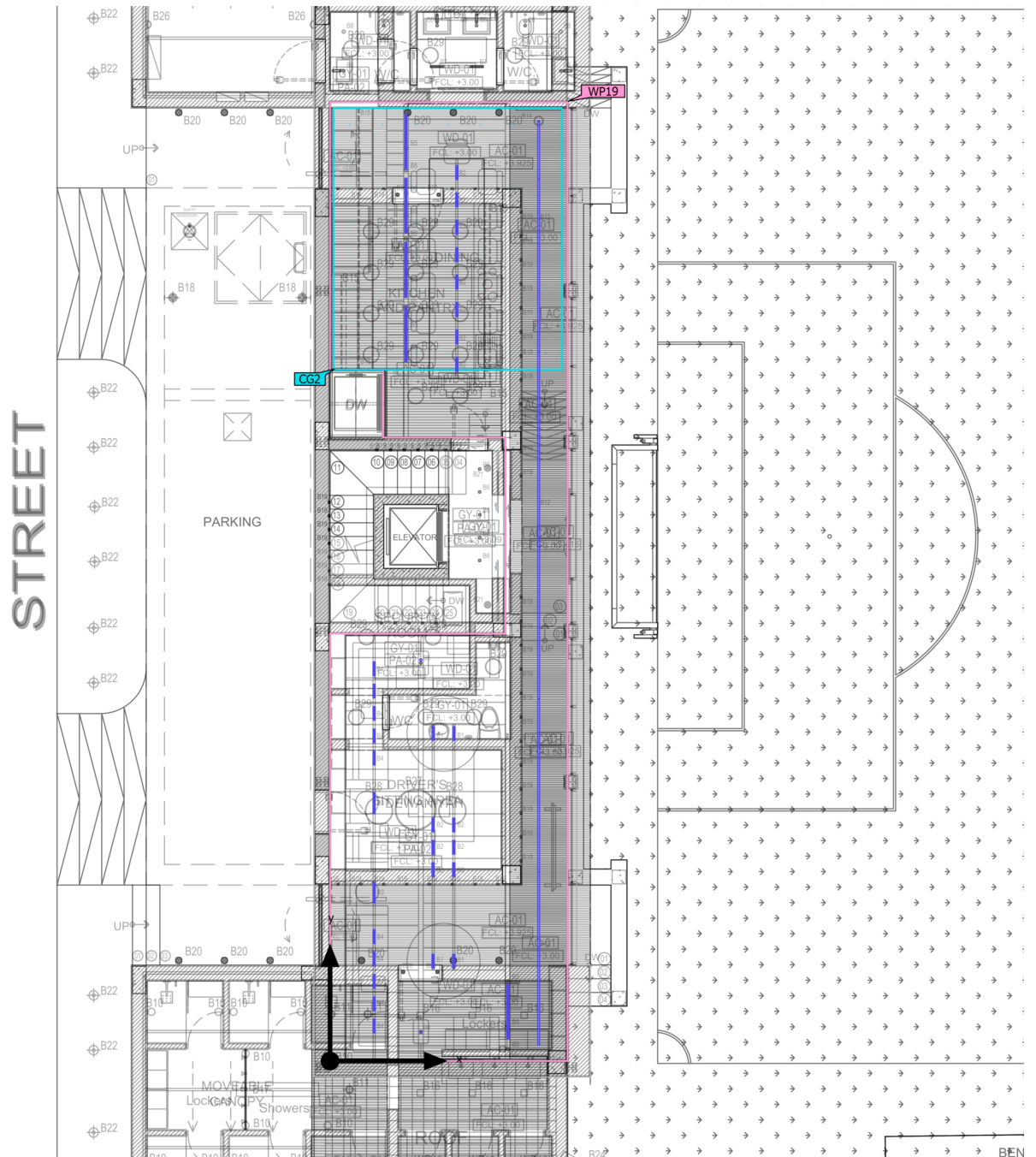
## Calculation surfaces

Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
DINING Perpendicular illuminance Height: 0.000 m	635 lx	294 lx	1036 lx	0.46	0.28	CG2

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

## Calculation objects



Building 1 · FF · DEWANIYAH (Light scene 1)

**Calculation objects**

## Working planes

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (DEWANIYAH) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	639 lx	161 lx	1698 lx	0.25	0.095	WP19

## Calculation surfaces

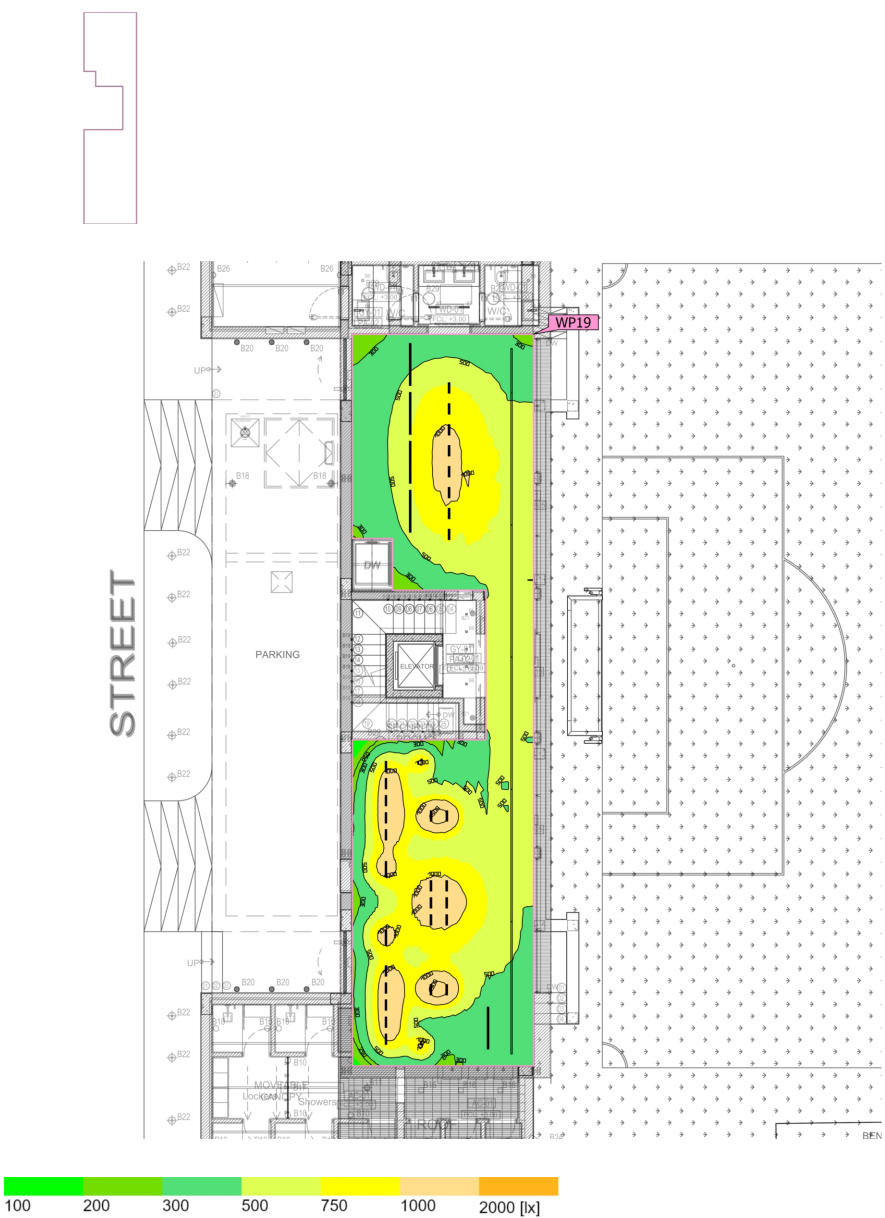
Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
DINING Perpendicular illuminance Height: 0.000 m	635 lx	294 lx	1036 lx	0.46	0.28	CG2

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · DEWANIYAH (Light scene 1)  
Working plane (DEWANIYAH)



Building 1 · FF · DEWANIYAH (Light scene 1)

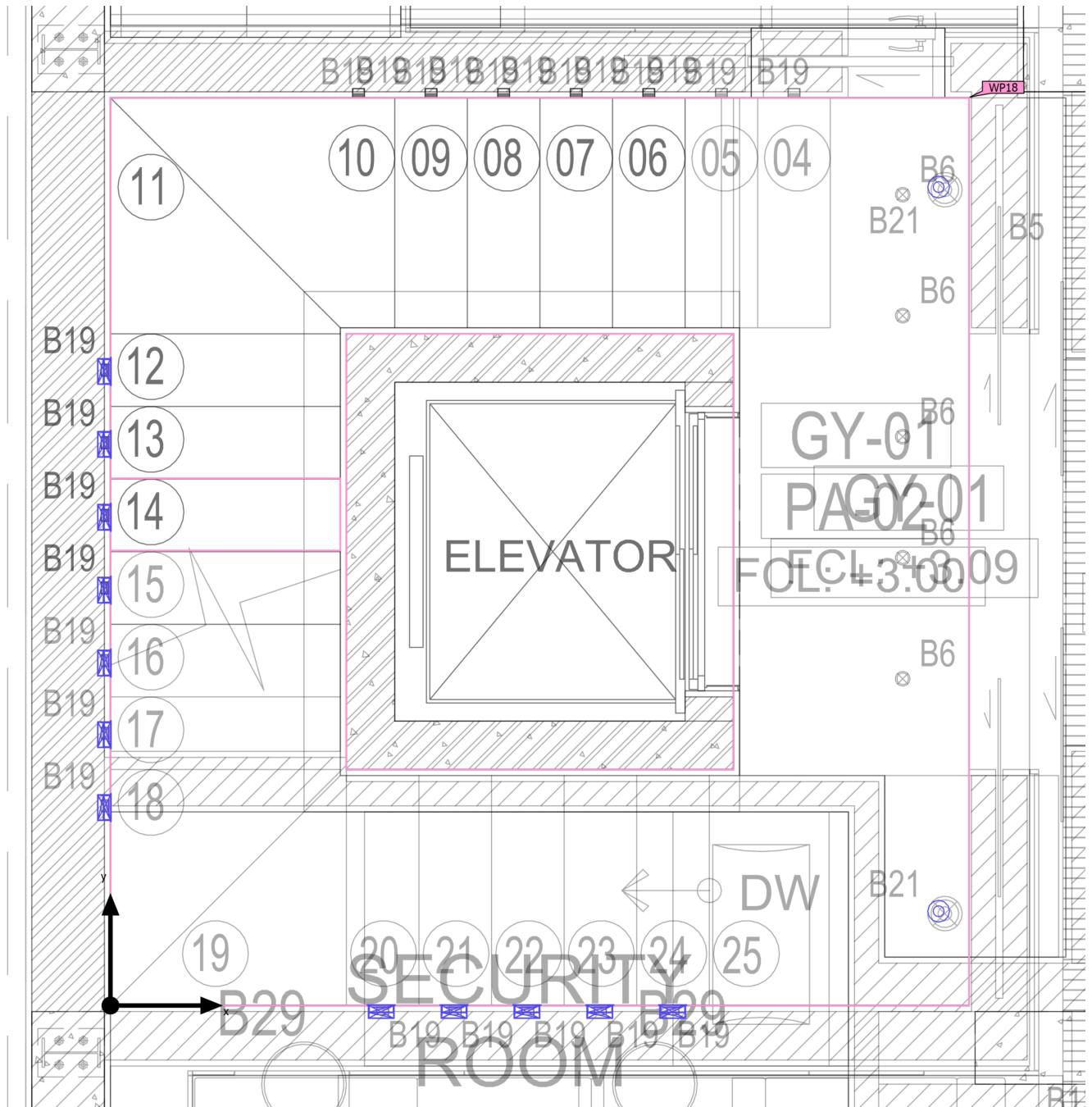
## Working plane (DEWANIYAH)

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · STAIRS (Light scene 1)

**Calculation objects**



Building 1 · FF · STAIRS (Light scene 1)

## Calculation objects

### Working planes

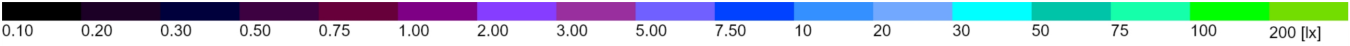
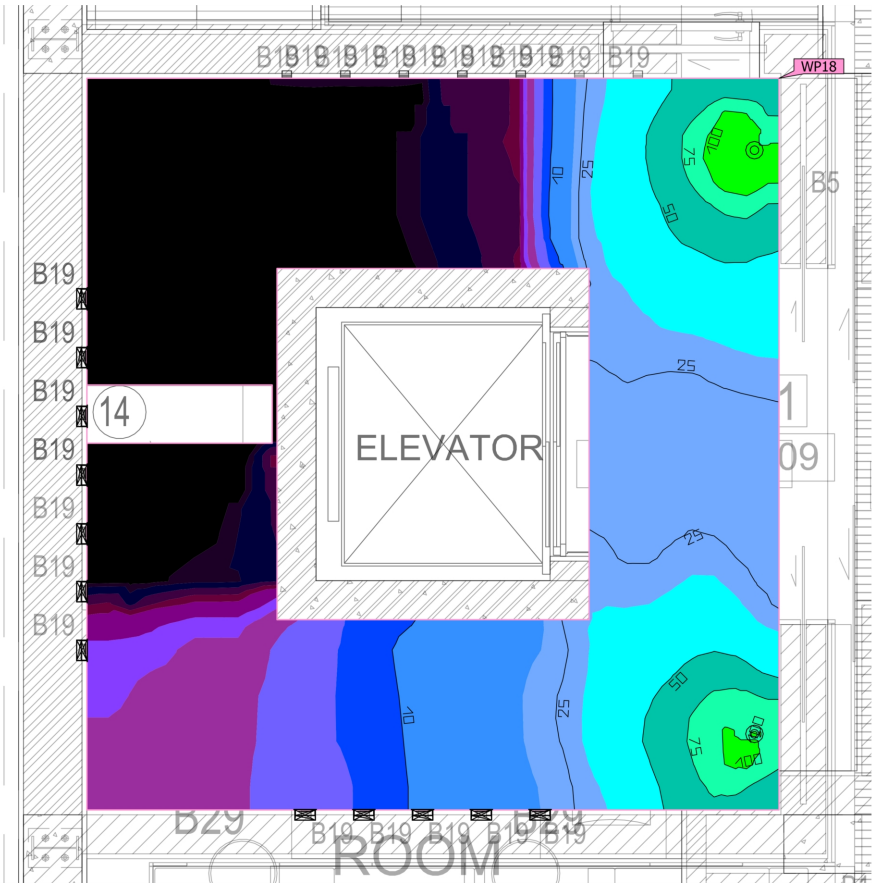
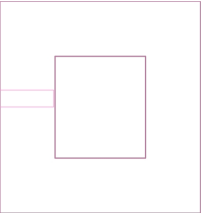
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (STAIRS) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	18.6 lx	0.009 lx	121 lx	0.000	0.000	WP18

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · STAIRS (Light scene 1)  
**Working plane (STAIRS)**



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (STAIRS)	18.6 lx	0.009 lx	121 lx	0.000	0.000	WP18
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · FF · STAIRS (Light scene 1)

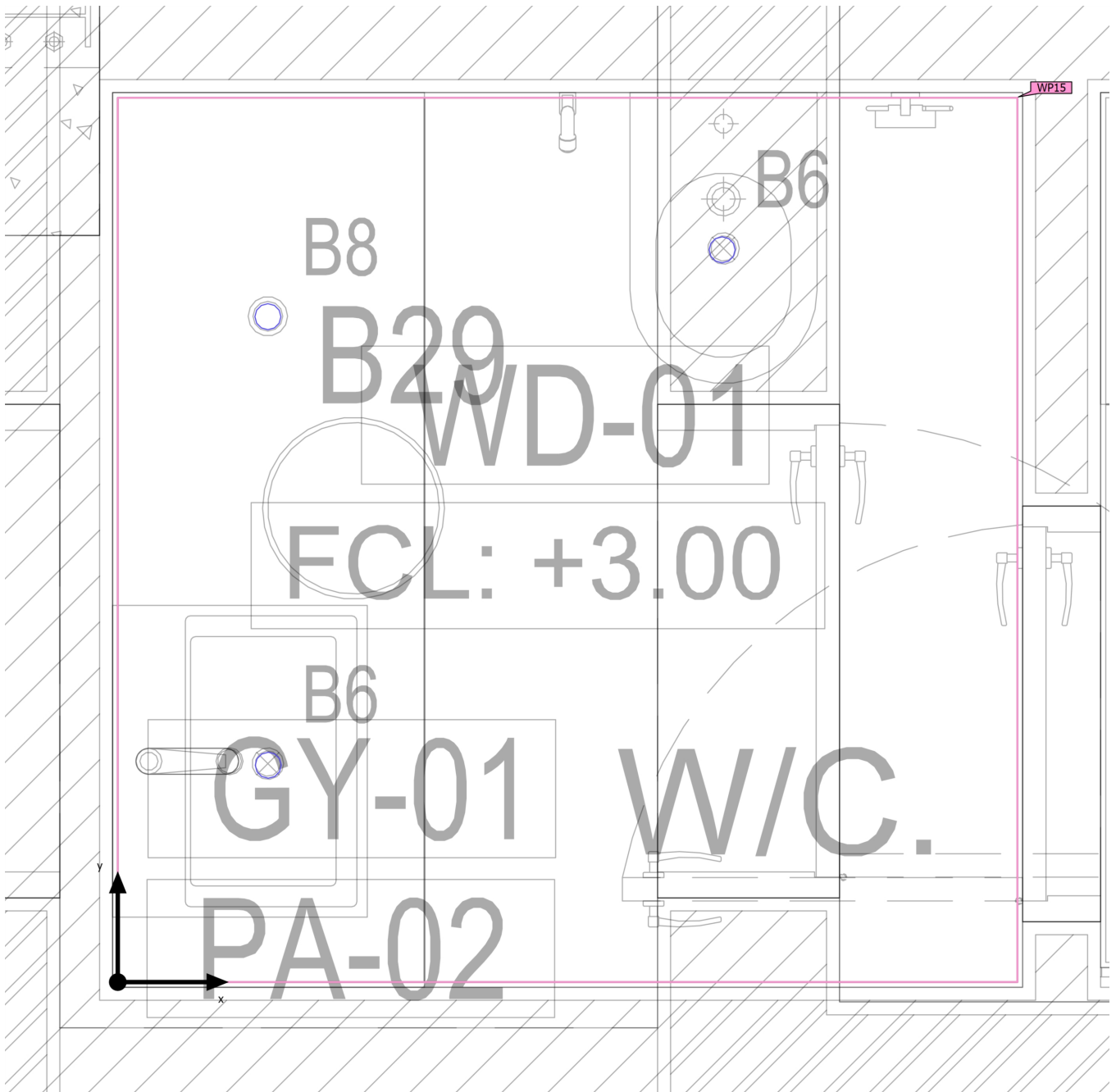
## **Working plane (STAIRS)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · WC 1 (Light scene 1)

**Calculation objects**

Building 1 · FF · WC 1 (Light scene 1)

## Calculation objects

### Working planes

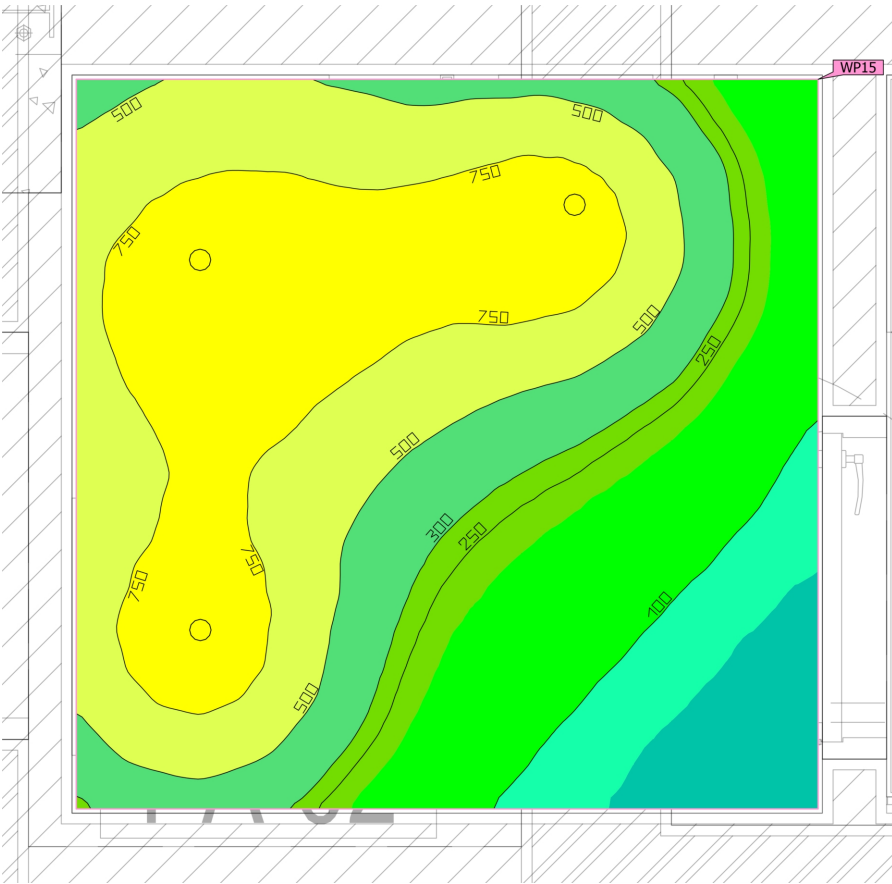
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 1) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	472 lx	52.1 lx	910 lx	0.11	0.057	WP15

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · WC 1 (Light scene 1)  
**Working plane (WC 1)**



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 1) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	472 lx	52.1 lx	910 lx	0.11	0.057	WP15

Building 1 · FF · WC 1 (Light scene 1)

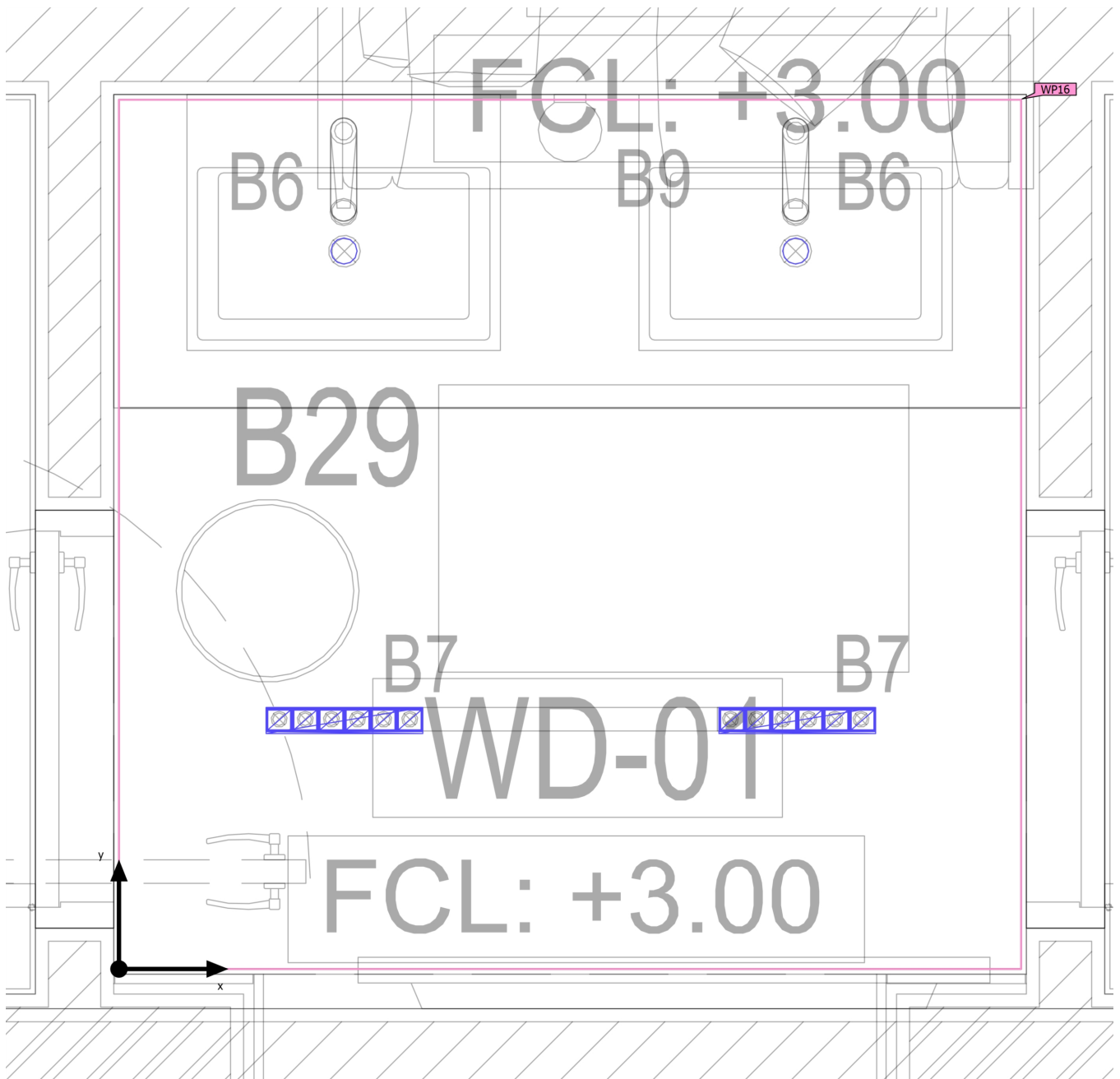
## **Working plane (WC 1)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · WC 2 (Light scene 1)

**Calculation objects**



Building 1 · FF · WC 2 (Light scene 1)

## Calculation objects

### Working planes

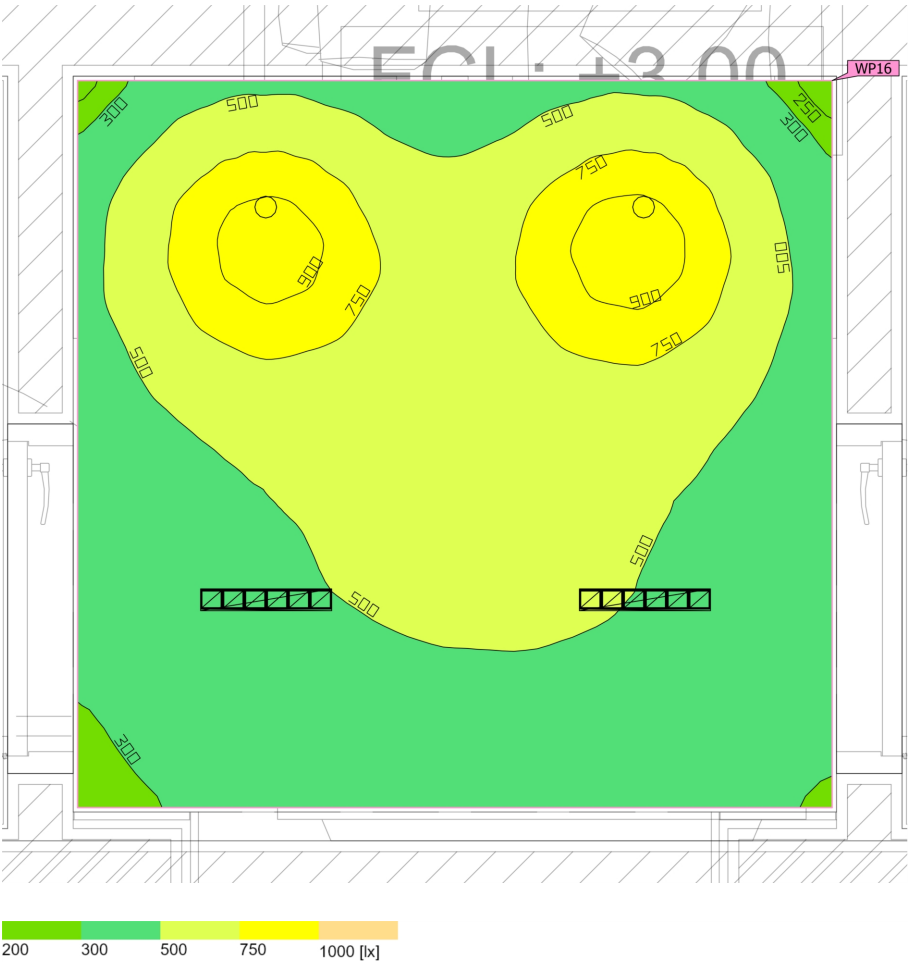
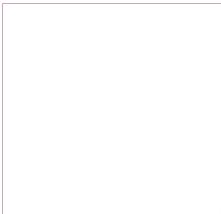
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 2) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	536 lx	219 lx	970 lx	0.41	0.23	WP16

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · WC 2 (Light scene 1)  
**Working plane (WC 2)**



Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 2) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	536 lx	219 lx	970 lx	0.41	0.23	WP16

Building 1 · FF · WC 2 (Light scene 1)

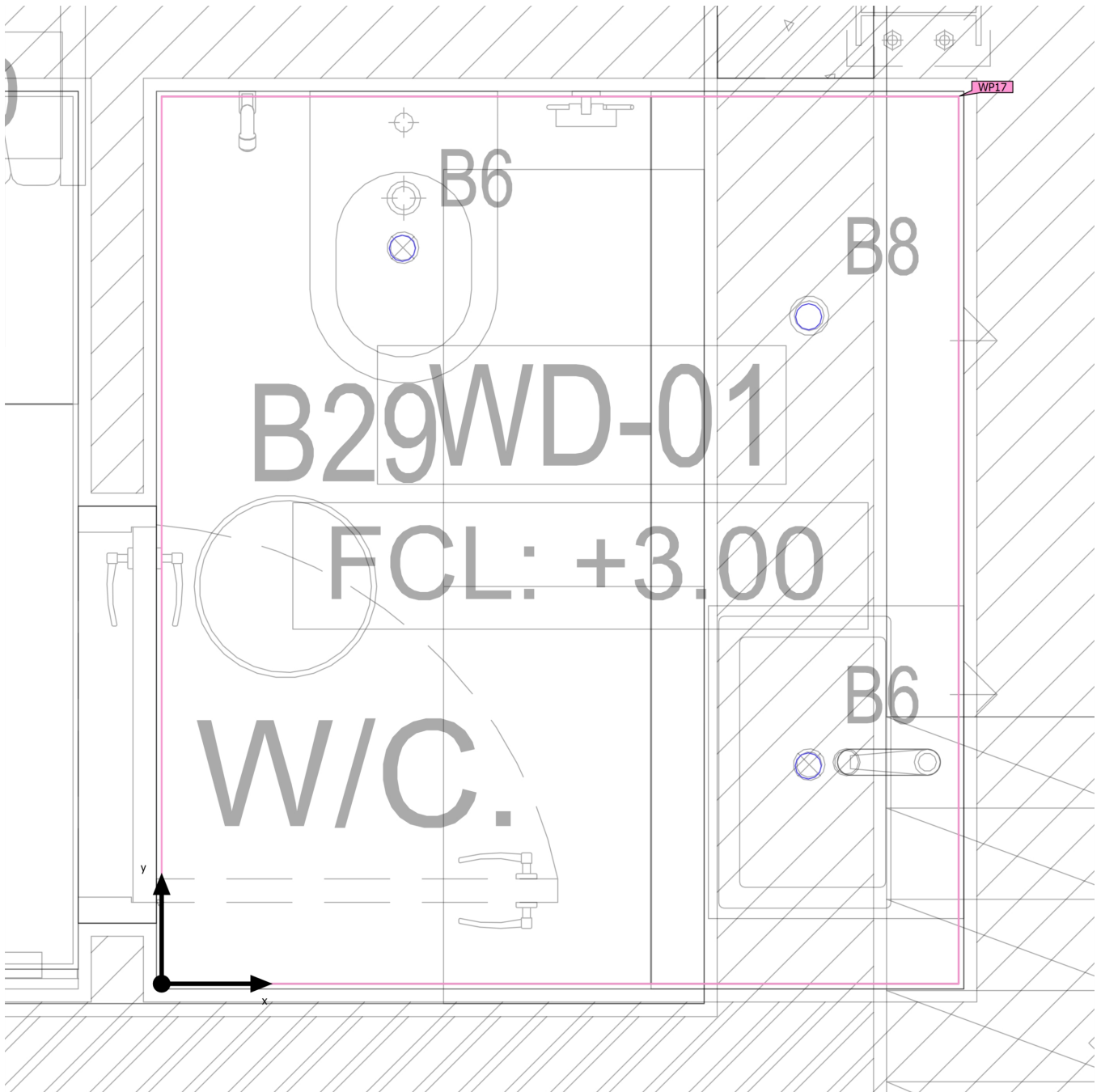
## **Working plane (WC 2)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · WC 3 (Light scene 1)

**Calculation objects**

Building 1 · FF · WC 3 (Light scene 1)

## Calculation objects

### Working planes

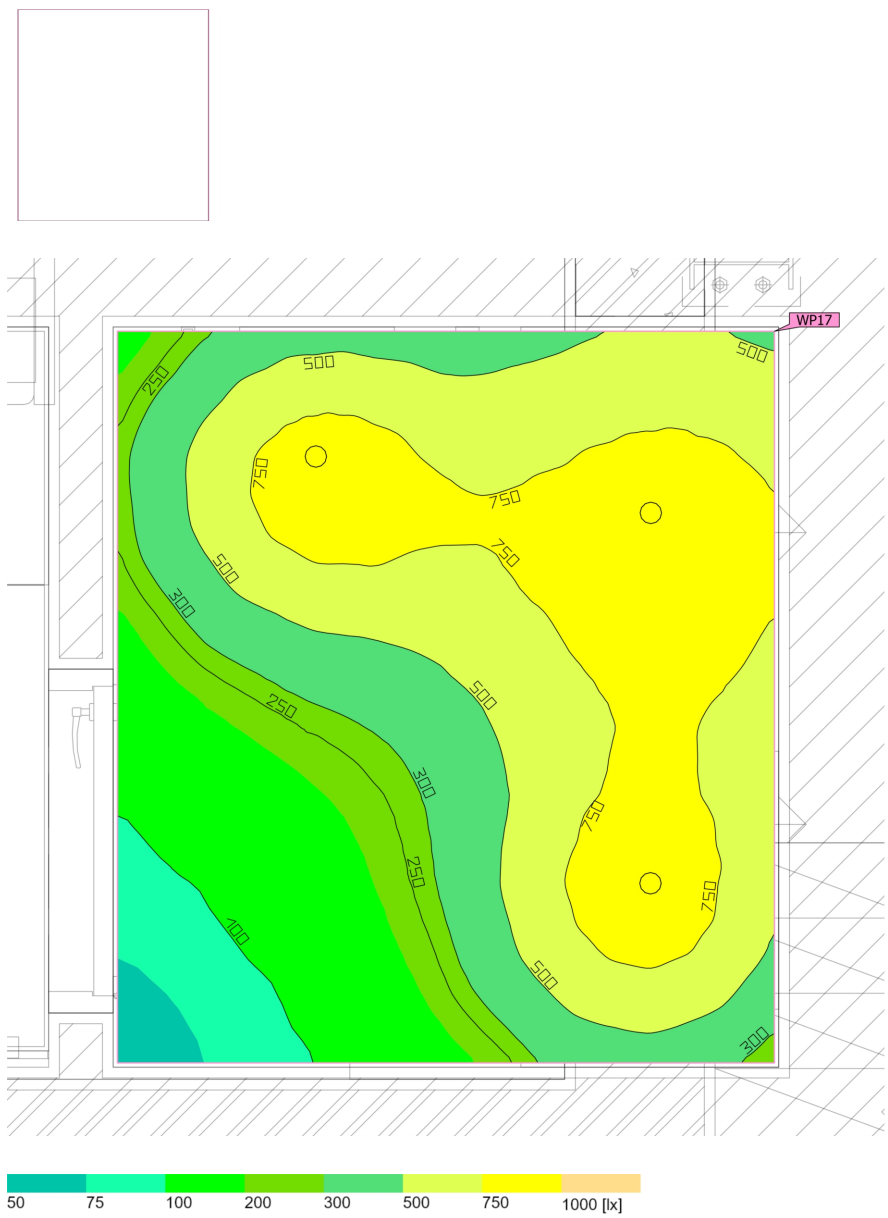
Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 3) Perpendicular illuminance (adaptive) Height: 0.000 m, Wall zone: 0.000 m	503 lx	64.8 lx	898 lx	0.13	0.072	WP17

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.

Building 1 · FF · WC 3 (Light scene 1)  
**Working plane (WC 3)**



Properties	$\bar{E}$	$E_{\min}$	$E_{\max}$	$U_o (g_1)$	$g_2$	Index
Working plane (WC 3)	503 lx	64.8 lx	898 lx	0.13	0.072	WP17
Perpendicular illuminance (adaptive)						
Height: 0.000 m, Wall zone: 0.000 m						

Building 1 · FF · WC 3 (Light scene 1)

## **Working plane (WC 3)**

Utilisation profile: DIALux presetting (5.26.2 Standard (office))

Notes on planning:

The results were calculated without consideration of objects and furniture. No results were determined on their surfaces.