



Description

45 high bay 150w
the average lux 351 and the uniformity 0.50

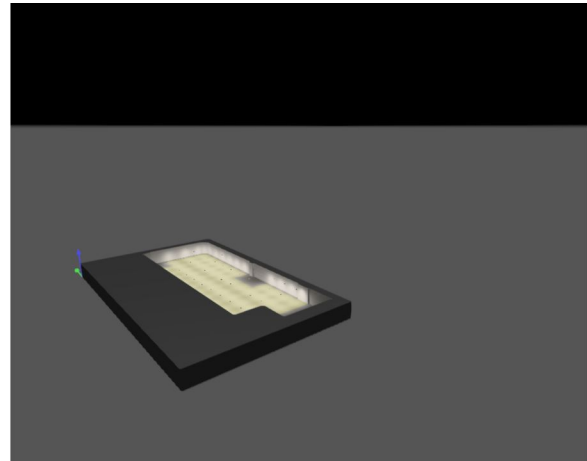
Technical office
Eng. Salma Mostafa

Short circuit

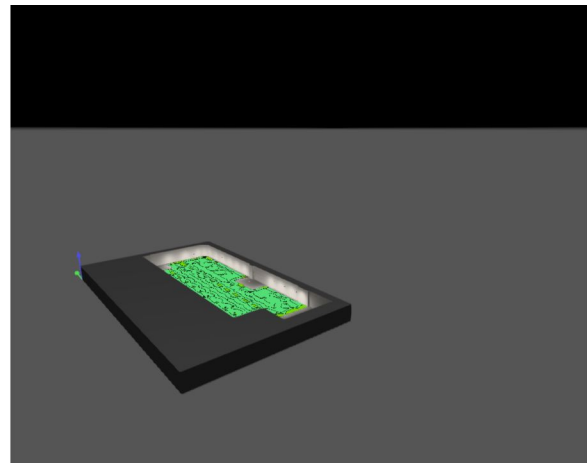
T 01040359990
salma@shortcircuitcompany.co
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Building 1 Images

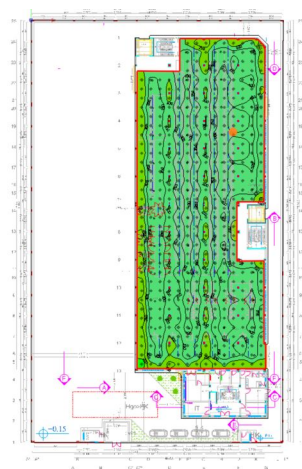
production line



calculation of production line

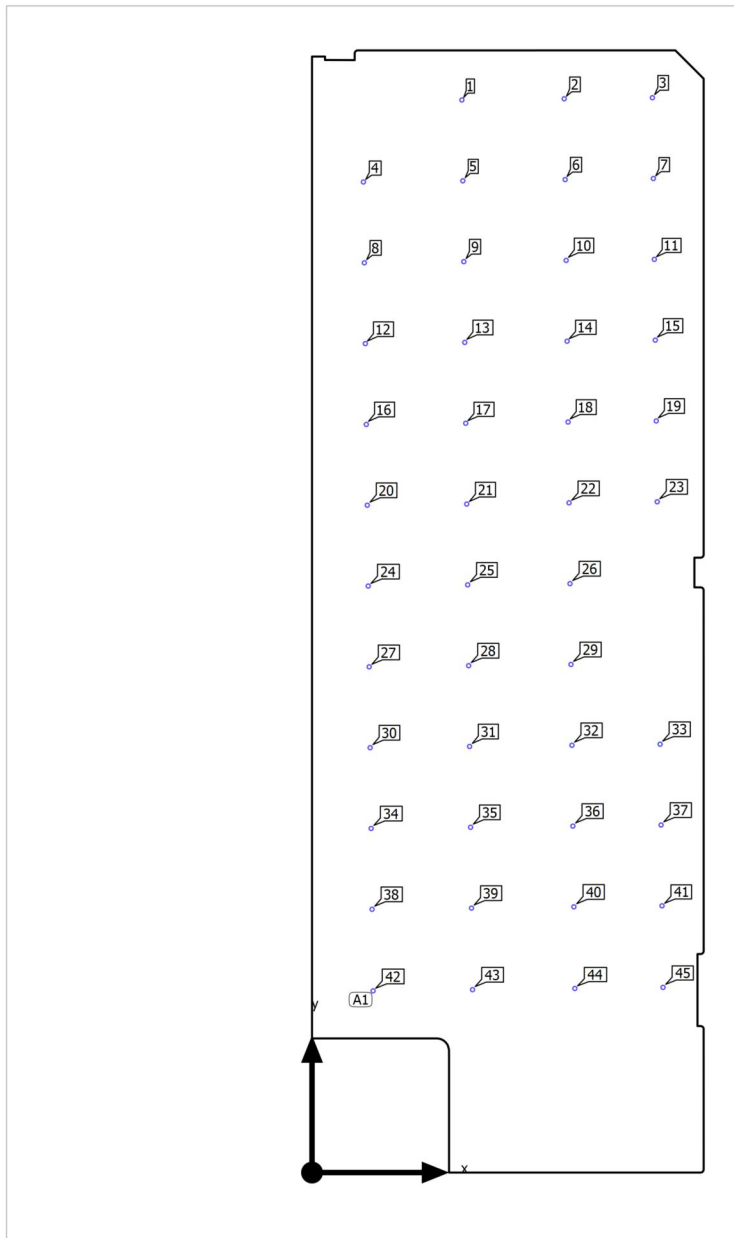


Calculation of the production line

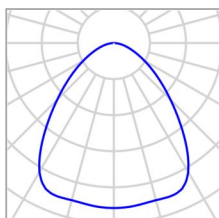


Building 1 · Storey 1 · Room 1

Luminaire layout plan



Building 1 · Storey 1 · Room 1

Luminaire layout plan

Manufacturer	Philips	P	150.0 W
Article name	BY698P LED265CW G2 WB	$\Phi_{\text{Luminaire}}$	21747 lm
Fitting	1x LED		

45 x Philips BY698P LED265CW G2 WB

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	4.938 m / 14.696 m / 5.500 m	12.123 m	86.756 m	5.500 m	1
X-direction	4 pcs., Centre - centre, Distances not equal	20.402 m	86.855 m	5.500 m	2
		27.535 m	86.940 m	5.500 m	3
Y-direction	12 pcs., Centre - centre, Distances not equal	4.156 m	80.123 m	5.500 m	4
		12.201 m	80.219 m	5.500 m	5
Arrangement	A1	20.480 m	80.318 m	5.500 m	6
		27.613 m	80.404 m	5.500 m	7
		4.234 m	73.587 m	5.500 m	8
		12.279 m	73.683 m	5.500 m	9
		20.558 m	73.782 m	5.500 m	10
		27.691 m	73.867 m	5.500 m	11
		4.312 m	67.050 m	5.500 m	12
		12.357 m	67.147 m	5.500 m	13

Building 1 · Storey 1 · Room 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
20.636 m	67.246 m	5.500 m	14
27.769 m	67.331 m	5.500 m	15
4.390 m	60.514 m	5.500 m	16
12.435 m	60.610 m	5.500 m	17
20.715 m	60.709 m	5.500 m	18
27.847 m	60.795 m	5.500 m	19
4.468 m	53.978 m	5.500 m	20
12.514 m	54.074 m	5.500 m	21
20.793 m	54.173 m	5.500 m	22
27.925 m	54.258 m	5.500 m	23
4.547 m	47.441 m	5.500 m	24
12.592 m	47.538 m	5.500 m	25
20.871 m	47.637 m	5.500 m	26
4.625 m	40.905 m	5.500 m	27
12.670 m	41.001 m	5.500 m	28
20.949 m	41.100 m	5.500 m	29
4.703 m	34.369 m	5.500 m	30
12.748 m	34.465 m	5.500 m	31
21.027 m	34.564 m	5.500 m	32
28.160 m	34.649 m	5.500 m	33
4.781 m	27.832 m	5.500 m	34
12.826 m	27.928 m	5.500 m	35
21.105 m	28.027 m	5.500 m	36
28.238 m	28.113 m	5.500 m	37

Building 1 · Storey 1 · Room 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
4.859 m	21.296 m	5.500 m	38
12.904 m	21.392 m	5.500 m	39
21.184 m	21.491 m	5.500 m	40
28.316 m	21.576 m	5.500 m	41
4.938 m	14.696 m	5.500 m	42
12.983 m	14.793 m	5.500 m	43
21.263 m	14.892 m	5.500 m	44
28.395 m	14.977 m	5.500 m	45

Building 1 · Storey 1 · Room 1

Luminaire list

 Φ_{total}

978615 lm

 P_{total}

6750.0 W

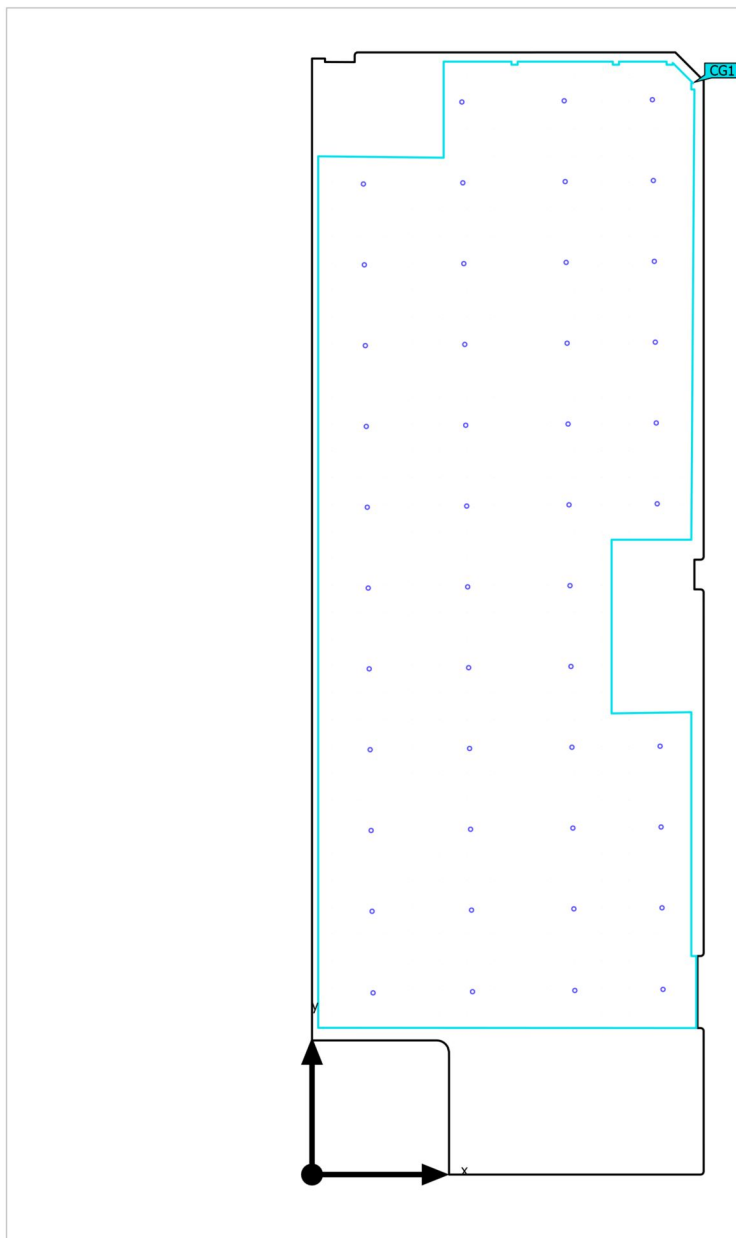
Luminous efficacy

145.0 lm/W

pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
45	Philips		BY698P LED265CW G2 WB	150.0 W	21747 lm	145.0 lm/W

Building 1 · Storey 1 · Room 1 (Light scene 1)

Calculation objects



Building 1 · Storey 1 · Room 1 (Light scene 1)

Calculation objects

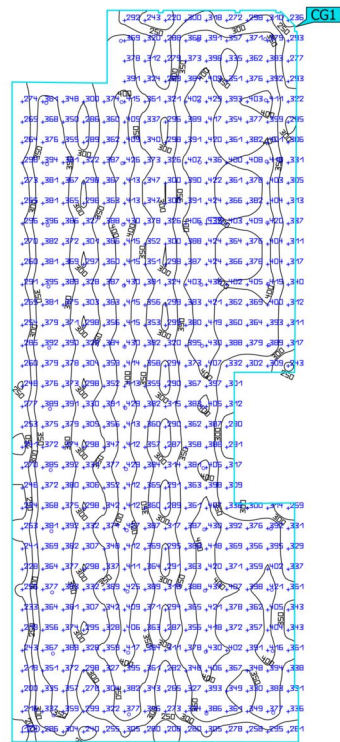
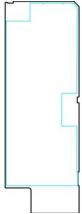
Calculation surfaces

Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Calculation surface 2 Perpendicular illuminance Height: 0.000 m	351 lx	174 lx	439 lx	0.50	0.40	CG1

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

Building 1 · Storey 1 · Room 1 (Light scene 1)

Calculation surface 2



Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
Calculation surface 2	351 lx	174 lx	439 lx	0.50	0.40	CG1
Perpendicular illuminance						
Height: 0.000 m						

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