

Description

Lighting study for nesstra factory with HighBay light

- No. of fixutr are 36 x HighBay 150 watt
- Height of fixtures is 7 m
- Avr.lux 673 lux
- Uniformity 0.41

Technical Engineer

Eng.Mostafa Emad

Short Cicuit Company

mostafaattalla122@gmail.com

Luminaire list

 P_{total}

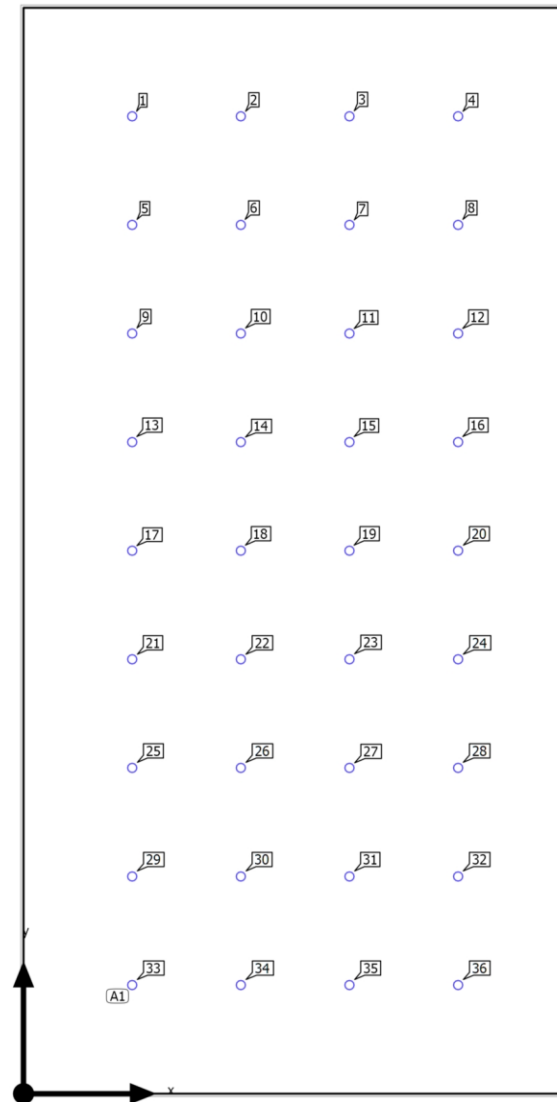
5400.0 W

Luminous efficacy

145.0 lm/W

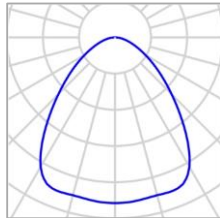
pcs.	Manufacturer	Article No.	Article name	P	Φ	Luminous efficacy
36	Philips		BY698P LED265CW G2 WB	150.0 W	21750 lm	145.0 lm/W

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	$\Phi_{\text{Luminaire}}$	21750 lm
Fitting	1x LED		

36 x Philips BY698P LED265CW G2 WB

Type	Field Arrangement	X	Y	Mounting height	Luminaire
1st luminaire (X/Y/Z)	4.000 m / 4.002 m / 7.000 m	4.000 m	36.002 m	7.000 m	1
X-direction	4 pcs., Centre - centre, Distances not equal	8.000 m	36.002 m	7.000 m	2
		12.000 m	36.002 m	7.000 m	3
		16.000 m	36.002 m	7.000 m	4
Y-direction	9 pcs., Centre - centre, Distances not equal	4.000 m	32.002 m	7.000 m	5
		8.000 m	32.002 m	7.000 m	6
		12.000 m	32.002 m	7.000 m	7
Arrangement	A1	16.000 m	32.002 m	7.000 m	8
		4.000 m	28.002 m	7.000 m	9
		8.000 m	28.002 m	7.000 m	10
		12.000 m	28.002 m	7.000 m	11
		16.000 m	28.002 m	7.000 m	12
		4.000 m	24.002 m	7.000 m	13

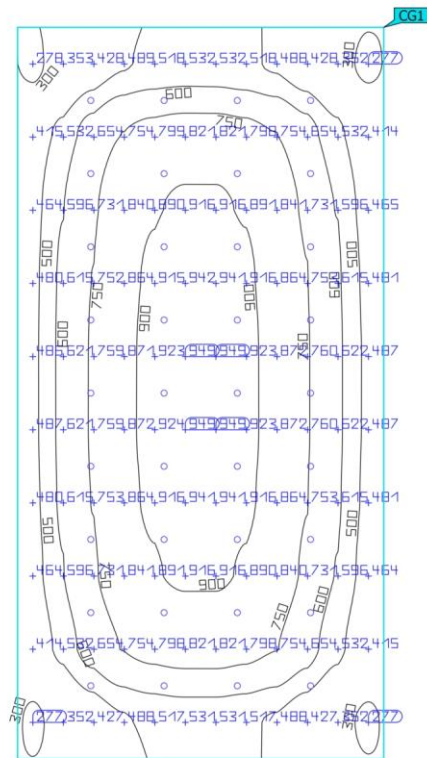
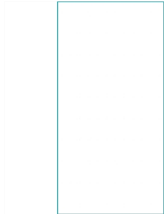
Building 1 · Storey 1 · Room 1

Luminaire layout plan

X	Y	Mounting height	Luminaire
8.000 m	24.002 m	7.000 m	14
12.000 m	24.002 m	7.000 m	15
16.000 m	24.002 m	7.000 m	16
4.000 m	20.002 m	7.000 m	17
8.000 m	20.002 m	7.000 m	18
12.000 m	20.002 m	7.000 m	19
16.000 m	20.002 m	7.000 m	20
4.000 m	16.002 m	7.000 m	21
8.000 m	16.002 m	7.000 m	22
12.000 m	16.002 m	7.000 m	23
16.000 m	16.002 m	7.000 m	24
4.000 m	12.002 m	7.000 m	25
8.000 m	12.002 m	7.000 m	26
12.000 m	12.002 m	7.000 m	27
16.000 m	12.002 m	7.000 m	28
4.000 m	8.002 m	7.000 m	29
8.000 m	8.002 m	7.000 m	30
12.000 m	8.002 m	7.000 m	31
16.000 m	8.002 m	7.000 m	32
4.000 m	4.002 m	7.000 m	33
8.000 m	4.002 m	7.000 m	34
12.000 m	4.002 m	7.000 m	35
16.000 m	4.002 m	7.000 m	36

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

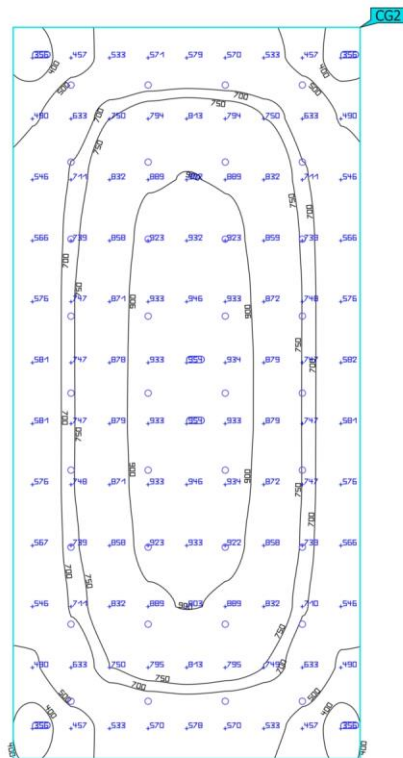
the factory



Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
the factory Perpendicular illuminance Height: 0.000 m	673 lx	277 lx	949 lx	0.41	0.29	CG1

Utilisation profile: Health care premises - Operating areas (5.46.1 Pre-op and recovery rooms)

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



Properties	\bar{E}	E_{min}	E_{max}	$U_o (g_1)$	g_2	Index
working place Perpendicular illuminance Height: 0.000 m	721 lx	356 lx	954 lx	0.49	0.37	CG2

Utilisation profile: Health care premises - Operating areas (5.46.1 Pre-op and recovery rooms)