

PROJECT : _____
 LOCATION : _____
 TYPE OF LUMINAIRE : _____
 PRODUCT DATASHEET



☐ **Model : NIP305HBG-100W**
Code No. 199.305.1.100.850.00
 LED Highbay, 100W 15000lm 5000K Ra80

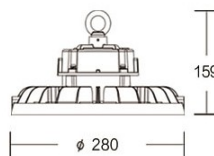
☒ **Model : NIP305HBG-150W**
Code No. 199.305.1.150.850.00
 LED Highbay, 150W 22500lm 5000K Ra80

☐ **Model : NIP305HBG-200W**
Code No. 199.305.1.200.850.00
 LED Highbay, 200W 30000lm 5000K Ra80

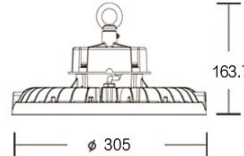
Applications : Industrial and storage facilities, workshops, assembly lines,
 Cold storage room, cleanroom, factory, warehouse, etc.

LED Type SMD Cree	Lifetime L70> 100,000 Hours	Equivalent MH 400W	IP Rating IP65	Dimmable 1-10V
3STEP MacAdam	Oper. Temp -40°C ~ 50°C	 TIS.1955-2551	3YEAR Warranty 24Hrs./d	

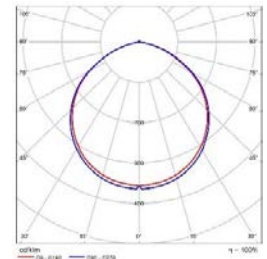
Drawing (mm) :
 100W / 150W



200W



Photometrical :



Material : Extruded pure aluminum heatsink.
 Optics : Available with 3 different beam angles
 for low&high ceiling aisle application. UGR<19
 Finishing Color : Matte Black

Installation : Hook or chain suspension
 Weight : 1.90 - 3.90 kg.
 IP : 65

Light source :

Type : CREE SMD LED
 Power consumption : 100W / 150W / 200W
 Luminaire luminous flux : 15000 / 22500 / 30000 lm
 Luminous efficieacy : 150 lm/W

Beam angles : 60° / 90° / 120°
 Colour rendering index min. : Ra80
 Corralated colour temperature : 5000K
 Rated median useful lifetime : 50000h L70 at 50°C

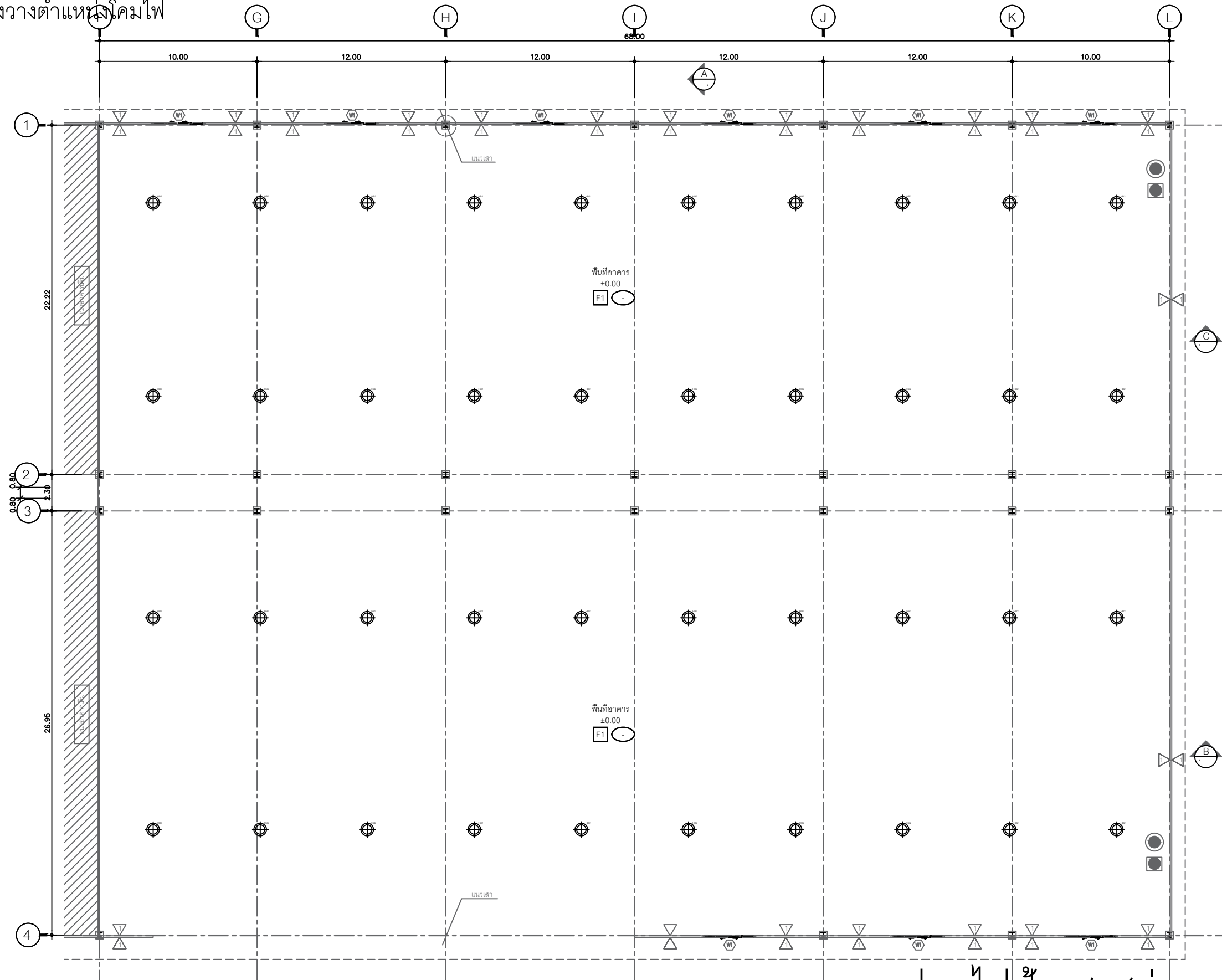
Electrical feature :

Control Gear : Built-in driver
 Dimmable : 0-10V (Option)
 PF 0.97 , THD <7%
 Surge protection: 6kV
 Operating voltage : 90-305Vac, 50/60Hz
 Operating temperature : -40°C - 50°C

Remarks :

Available with DALI Dimming
 Available with Sensor - Occupancy and Daylight
 Available with ZIGBEE Solution

ตัวอย่างวางตำแหน่งโคมไฟ



แปลนไฟฟ้าแสงสว่าง

มาตราส่วน

1 : 100

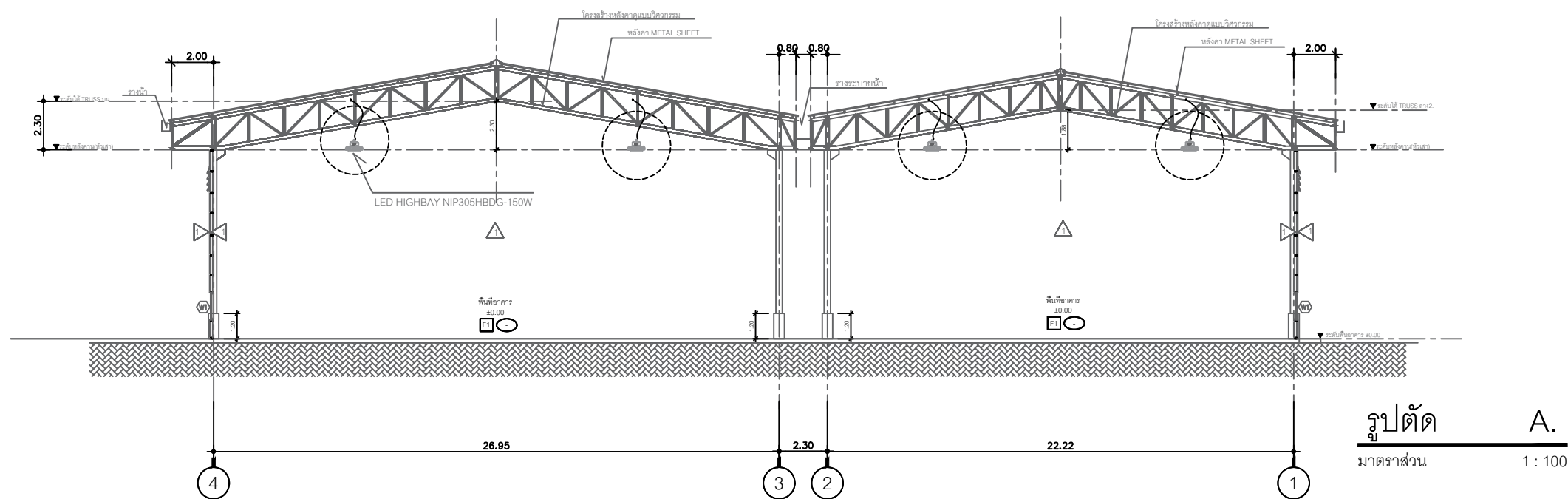
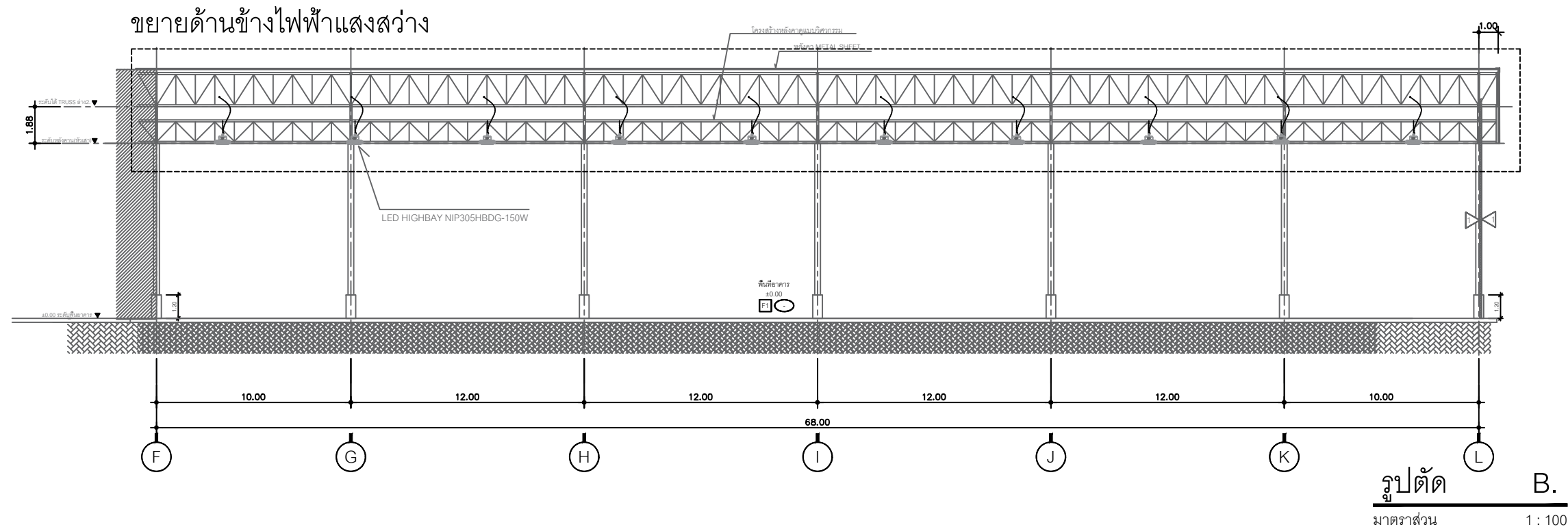
นิปษ์

nip lightingdesign co., ltd.

LIGHTING SPECIALIST :
MR. NIPON RUANGWONG
T : 083.832.2931
E : niplighting@gmail.com

DRAWN BY : NIP
DWG. TITLE :
SCALE : 1 : 1
UNITS : mm.
DATE : 12-09-2023
PLATE No. :

ตัวอย่างวางตำแหน่งโคมไฟ



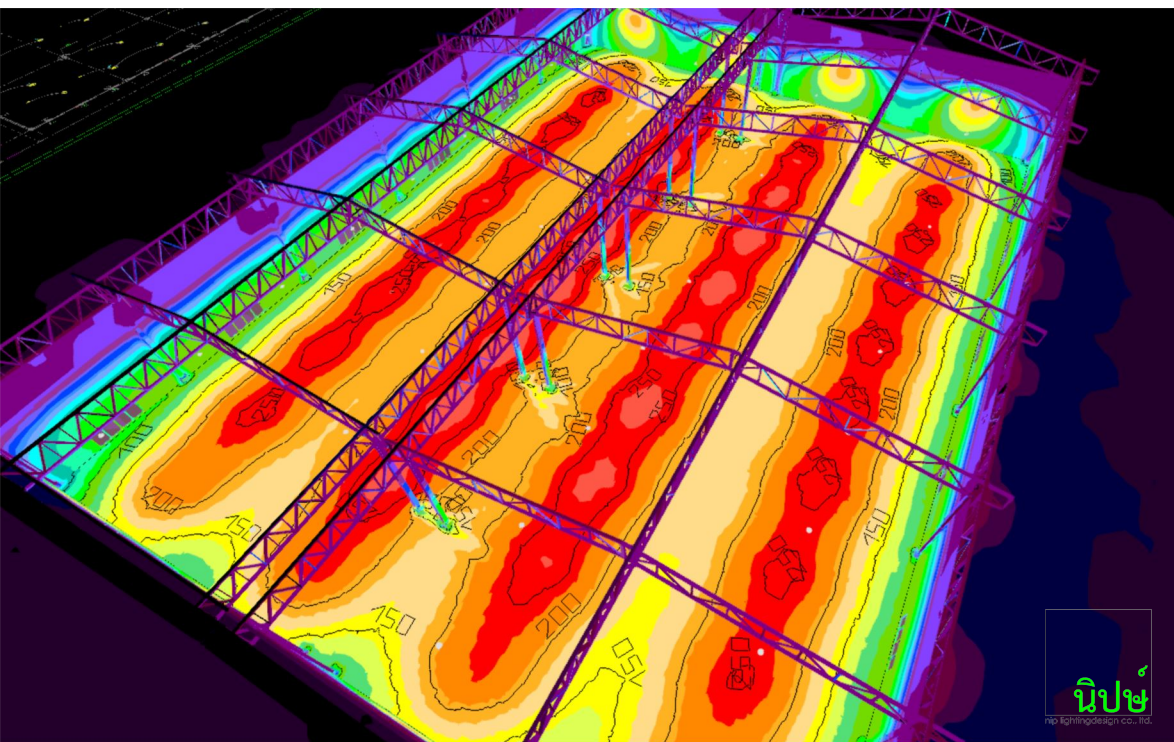
⊗	LED HIGHBAY, 100W 5000K (NIP305-100W)	-
⊗	LED HIGHBAY, 150W 5000K (NIP305-150W)	40 SET
⊗	LED HIGHBAY, 200W 5000K (NIP305-200W)	-

ขยายแปลนไฟฟ้าแสงสว่าง
มาตราส่วน 1 : 100

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LIGHTING CALCULATION - NIP305HBG-150W 5000K

PROJECT : -
LOCATION : Warehouse

OPTION : 2
TYPE OF LUMINAIRE : HB-2
LED Highbay type, 150W 22500lm 5000K Ra80

Q'TY : 40 SET

MOUNTING HEIGHT : 7.5 M.

LIGHTING SPECIALIST
Technical Support and Service
- Lighting calculations - DIALux evo
- Floor plans with the lighting lay out
- Technical report/estimate

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Warehouse - Building 1 - Storey 8

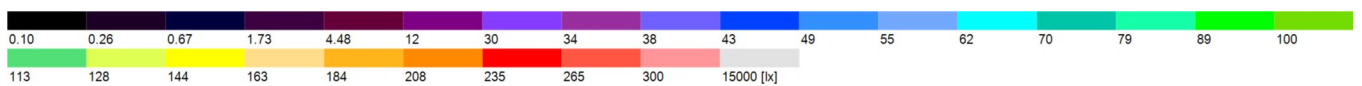
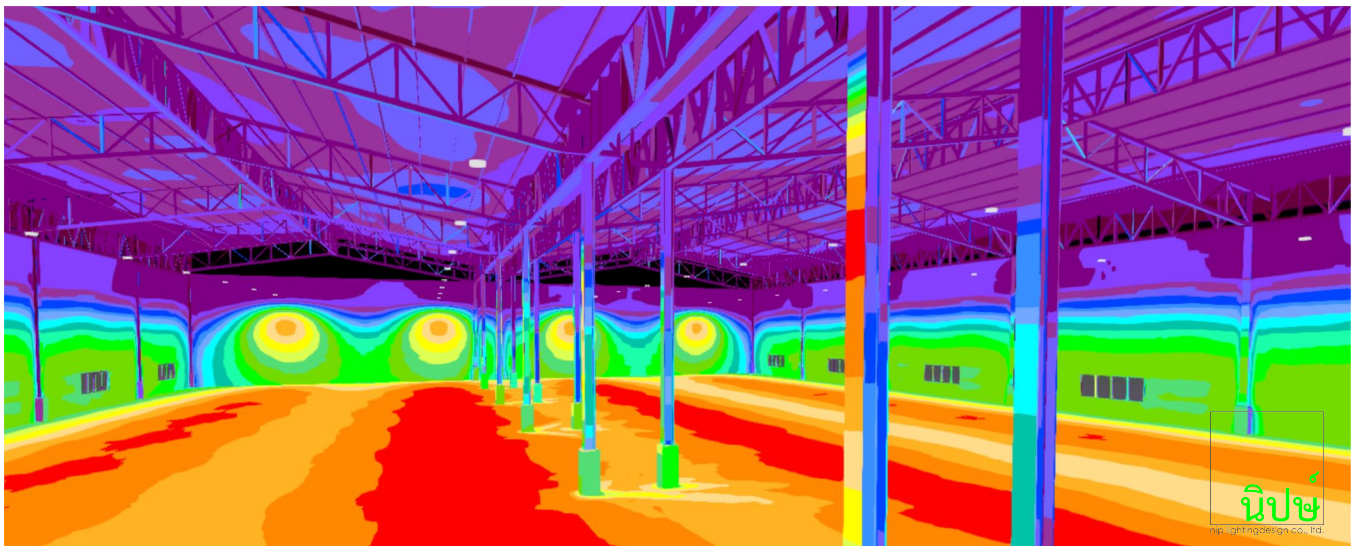
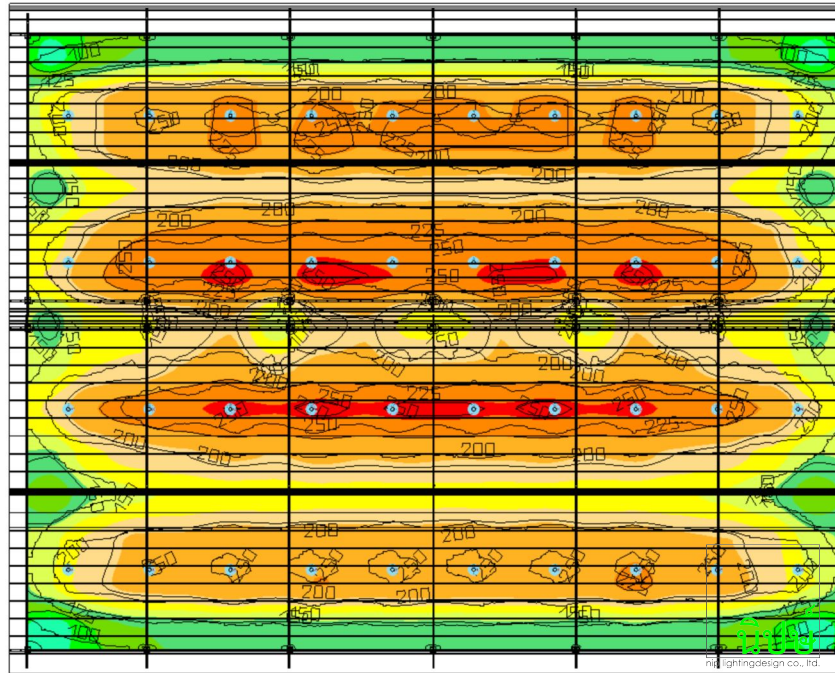
WH 8

Images 3

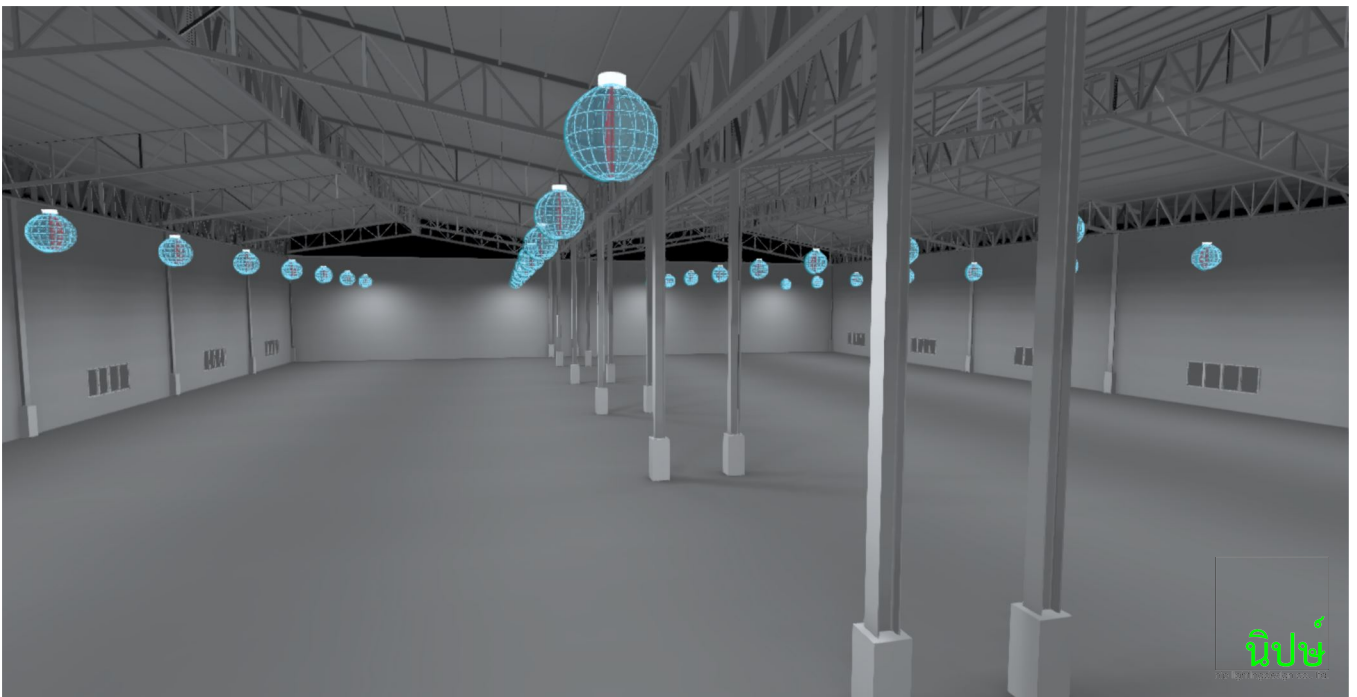
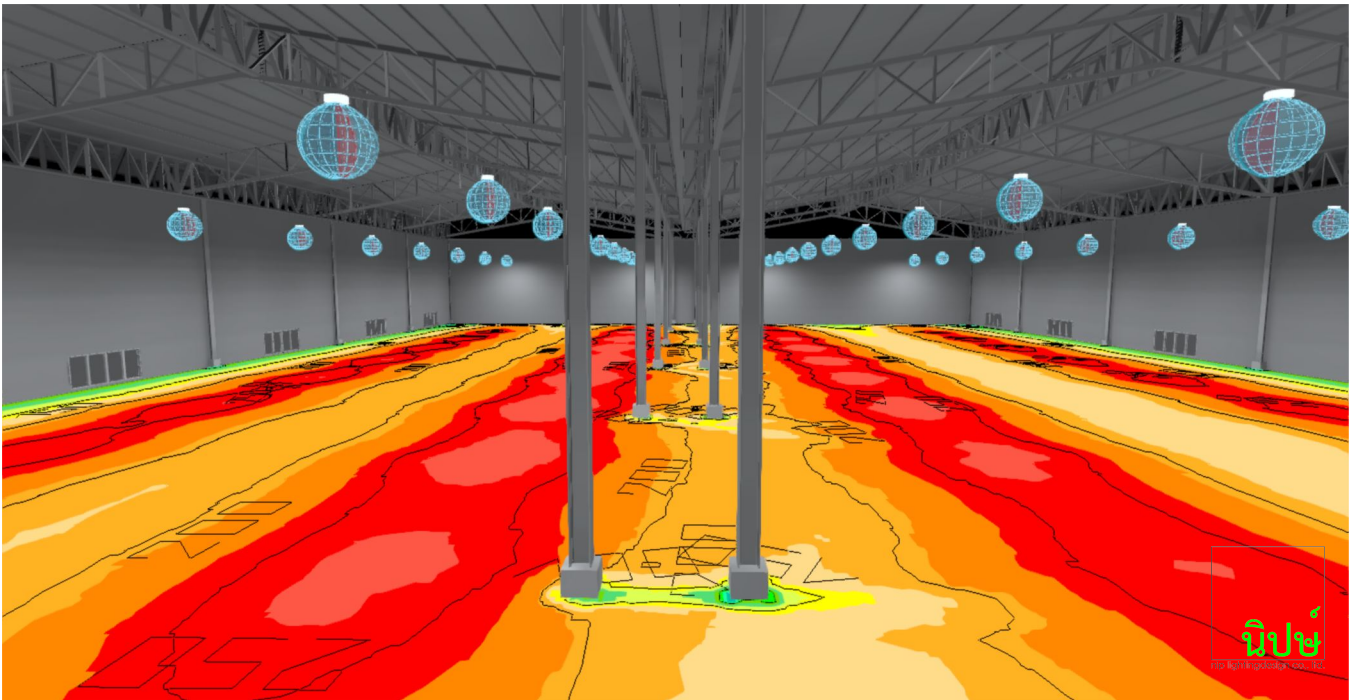
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Images

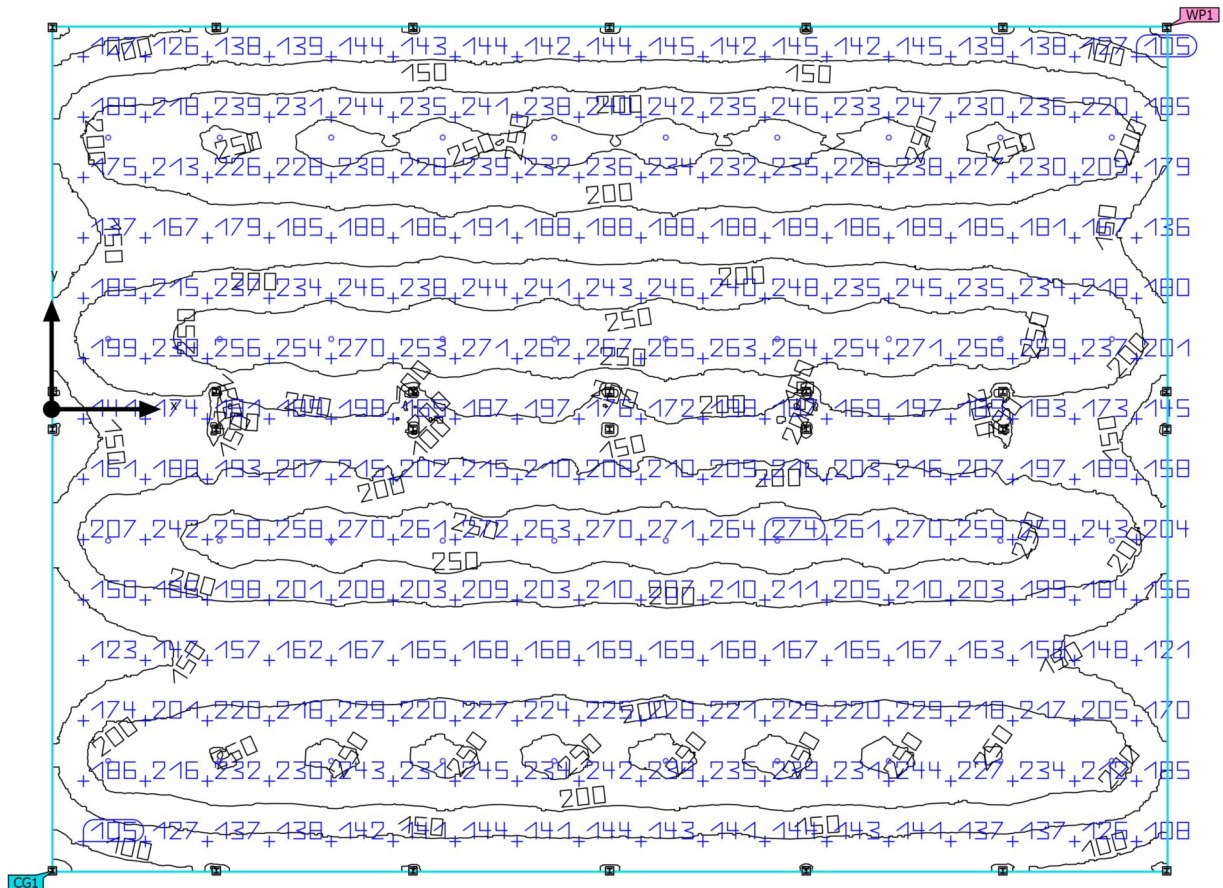


Images



Building 1 · Storey 8 · WH 8 (Light scene 1)

Summary



Ground area	3509.27 m ²	Clearance height	9.000 m
Reflection factors	Ceiling: 70.0 %, Walls: 50.0 %, Floor: 20.0 %	Mounting height	7.500 m
Maintenance factor	0.80 (fixed)	Height _{Working plane}	0.800 m
		Wall zone _{Working plane}	0.000 m

Building 1 · Storey 8 · WH 8 (Light scene 1)

Summary

Results

	Symbol	Calculated	Target	Check	Index
Working plane	$\bar{E}_{\text{perpendicular}}$	201 lx	≥ 200 lx	✓	WP1
	g_1	0.62	≥ 0.60	✓	WP1
Energy estimation ⁽²⁾	Consumption	[12905.90 - 15147.00] kWh/a	max. 122850 kWh/a	✓	
Room	Lighting power density	1.74 W/m ²	–		
		0.87 W/m ² /100 lx	–		

(1) Based on a rectangular space of 68.050 m x 51.569 m and SHR of 0.25.

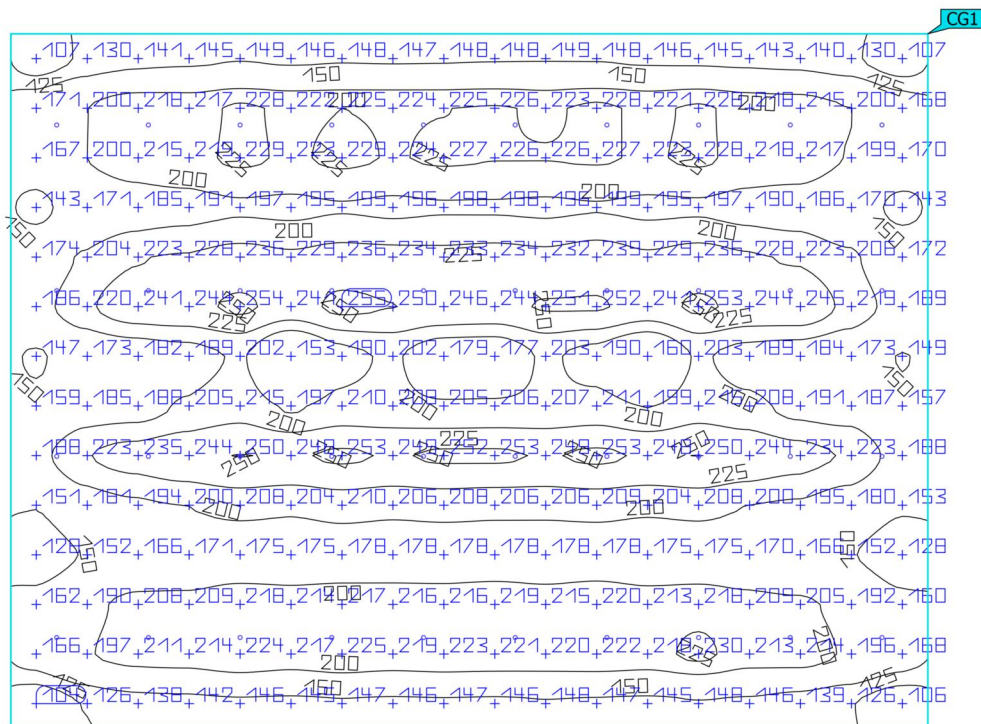
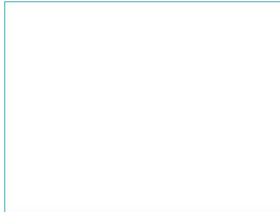
(2) Calculated using DIN:18599-4.

Utilisation profile: DIALux presetting (34.2 Standard (office))

Luminaire list

pcs.	Manufacturer	Article No.	Article name	R _{UG}	P	Φ	Luminous efficacy
40	NIP LIGHT	199.305.1. 150.850.00	LED Highbay type, 150W 22500lm 5000K	–	153.0 W	22047 lm	144.1 lm/W

Building 1 · Storey 8 · WH 8 (Light scene 1)

Calculation surface 3

Properties	$\bar{E}$	E_{min}	E_{max}	g_1	g_2	Index
Calculation surface 3	196 lx	104 lx	255 lx	0.53	0.41	CG1
Perpendicular illuminance						
Height: 0.000 m						

Utilisation profile: DIALux presetting (34.2 Standard (office))