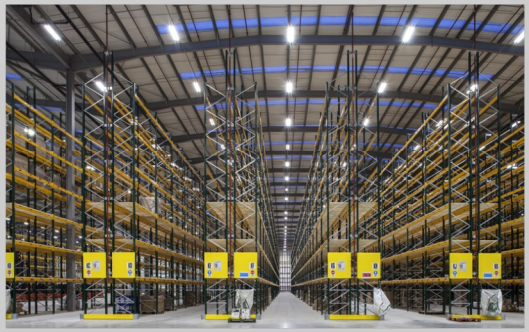
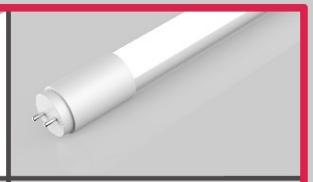
MY LUMENS

POWER LED TUBE



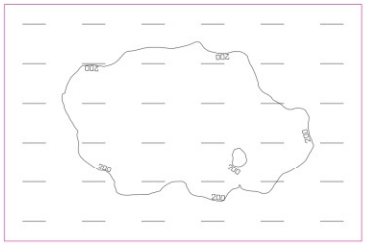
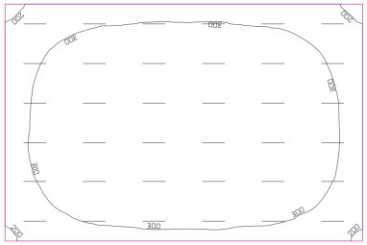
Designed to replace the traditional high ceiling (6-12m)HF highbay fluorescent lamp for industrial lighting

High ceiling HF highbay fluorescent options

					
	Magnetic Ballast	Electronic Ballast	Normal LED T8 Tube	HF	Power tube
Wattage	40w	36w	16w	45W	25w
Lumen	2650lm	2650lm	1800lm	4800lm	4000lm
Lumen in same lux	1800lm	1800lm	1800lm	2800-3000lm	4000lm
Suitable options	×	×	×	✓	✓

Only HF & Power tube are right options for high ceiling HF highbay fluorescent

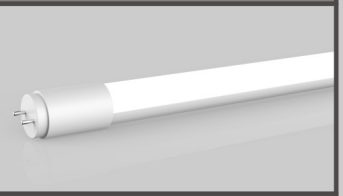
Improve working efficiency & working environment

Specification	HF：45W 3300LM	MY LUMENS：23W 3700LM
Lighting design		
Average Lux	186lu'x	320lu'x
Lighting quantity	36pcs	36pcs
Electricity Consumption	45W	25W

Before

After

Save electronic cost

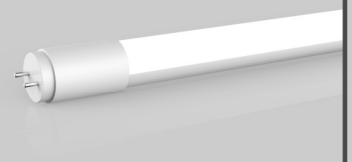
Electricity Cost Saving						
Lights Operating Cost & ROI					Type		
3years warranty Cost (Assumptions)					Unit	Conventional Highbay fluorescent 45w 3300lm	MY LUMENS Power tube T8 LED 23w 3700lm
Hours	Day	Week	Total Hrs	USD/Kwh			
10	5	52	7800	0.3			
Same LUX Effective Efficacy					lm/W	73	160
Total Number of Lamps to be replaced (pcs)					PCS	2,000	2,000
Luminaire Power					W	45	23
Total Power Consumption (kw) during 3years					KW	702000	358800
Replacement times during 4years					Times	4	1
Total Power saving (kw) during 3years					KW		343200
Light cost (USD/pc)					USD	$5	$10.0
Total Lights cost (USD)					USD	$40,000	$20,000
Electronic Bill over 4years					USD	$210,600	$107,640
Total Lighting Operating Cost Savings Annually					USD		$34,320.00
Total Lighting Operating Cost Savings in 4 years					USD		$122,960.00

Save 20,000USD tube cost by my lumens power tube during 4 years!!!

It saves 122,960USD electricity cost by Power tube during 4years!!!

Remark:
1.The case study of same LUX at 1m in Germany.
2.Simulate a factory have 2000pcs tubes need replacment.
3.Consideration of 360° beam angle of conventional highbay fluorescent and loss much lumen by reflection, so the effective lumen output get only 3300lm around from 4950lm .
4.Power tube own 140° beam angle, light comes out directly, it won't get any lumen loss at 3700lm as we tested.
5.Assume 10hrs working per day, 5days per week, 0.3usd/k.w.h in Germany.
6.Pls exchange data according to detail situation for caculation.

Save maintenance cost

Maintain cost saving				
Working Time Simulation			Normal HF tube	MY LUMENS Power Tube
Replacement time (hrs)	Working hrs/day	Woking Days		
167	7	24		
Maintain Quantity (pcs)			2000	2000
Replace times during 4years (times)			4	1
Maintain labor cost (usd/hr)			$60.0	$60.0
Lift Car Renting(usd/day)			$300.0	$300.0
Total Maintain Cost during 4 years			$68,880.0	$17,220.0
Maintain Cost saving during 4 years				$51,660.0

It saves 51,660USD maintain cost by Power tube during 4years!!!

Remark:

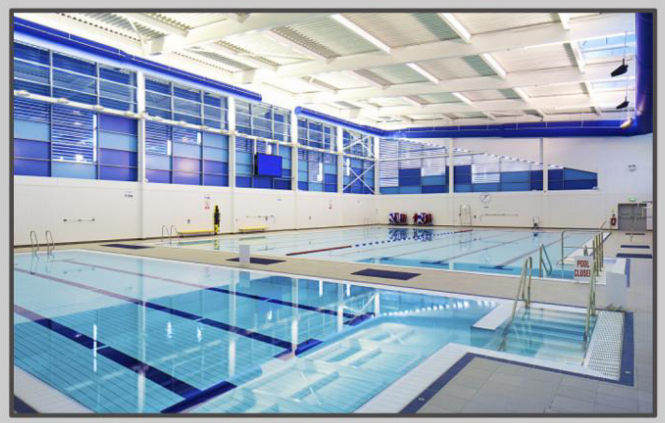
1.The case study of Germany market.

2.Simulate a factory have 2000pcs tubes need to replace.

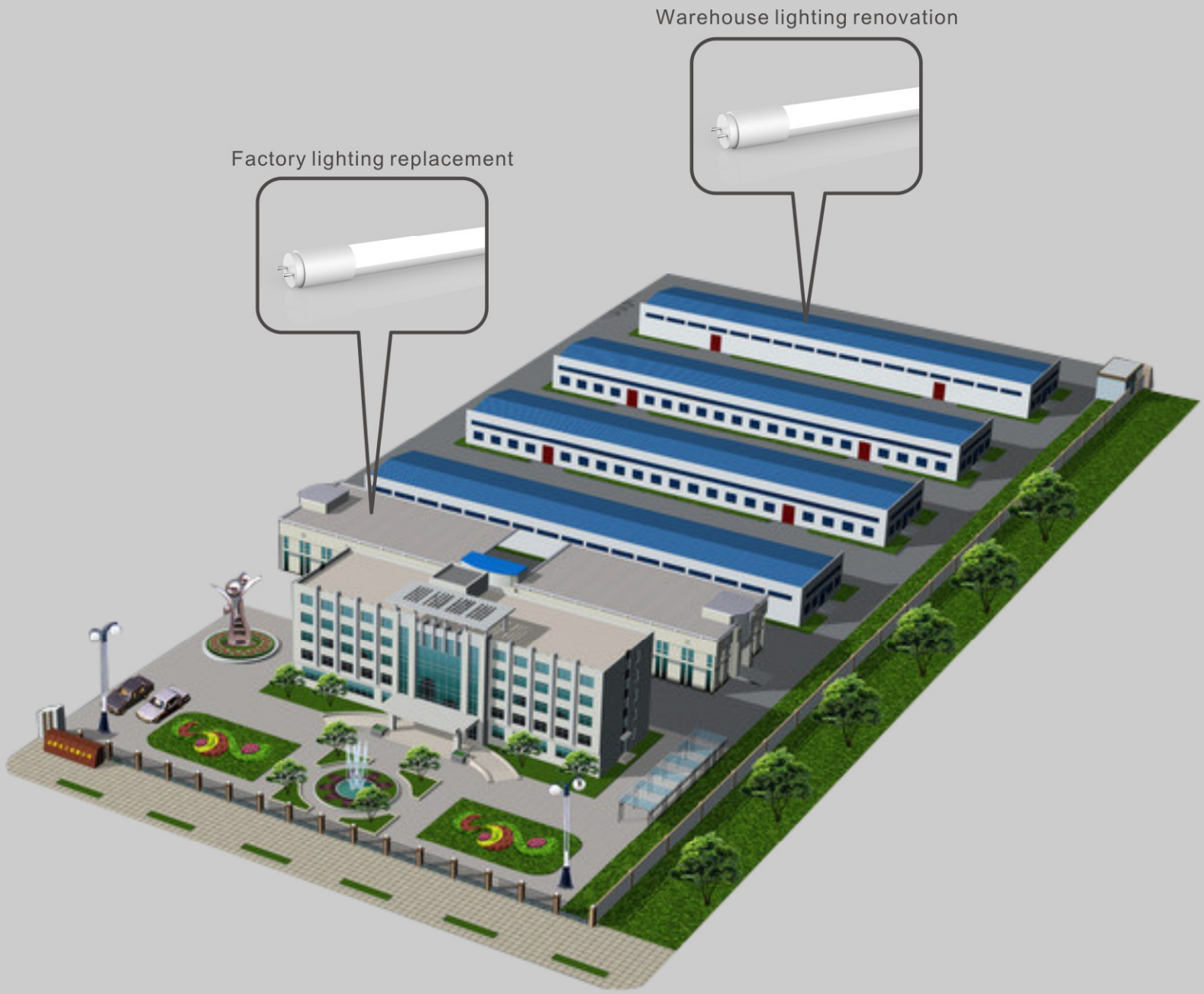
3.Assume speed of replacment at 5mins/pc

4.Pls exchange data according to your detail situation for caculation.

Applications



Engineering simulation



Specification Sheet

Items	1	2	3	4
Part No.	MY-T81250830472B	MY-T81540835542B	MY-T81250823372P	MY-T81550825402P
Series	B	B	P	P
Dimension	L1198*D26mm	L1498*D26mm	L1198*D26mm	L1498*D26mm
Watt	30W	35W	23W	25W
CCT	4000-6500K	4000-6500K	4000-6500K	4000-6500K
CRI	80Ra	80Ra	80Ra	80Ra
LED Chip	Epistar	Epistar	Epistar	Epistar
LED	SMD2835	SMD2835	SMD2835	SMD2835
Lumens	4700LM	5400LM	3700LM	4000LM
Lumen Efficiency	155LM/W	155LM/W	160LM/W	160LM/W
Materials	Full PC + Inside AL	Full PC + Inside AL	Full PC + Inside AL	Full PC + Inside AL
Input Voltage	100-240VAC 50/60Hz	100-240VAC 50/60Hz	200-240VAC 50/60Hz	200-240VAC 50/60Hz
PF	> 0.9	> 0.9	> 0.9	> 0.9
Base Cap	G13	G13	G13	G13
Flicker	Flicker Free	Flicker Free	Flicker Free	Flicker Free
Input Way	Double Sides Power-in	Double Sides Power-in	Single Side Power-in	Single Side Power-in
Package	25pcs/ctn	25pcs/ctn	25pcs/ctn	25pcs/ctn
Carton Size	125*20*20cm	155*20*20cm	125*20*20cm	155*20*20cm
GW / CTN	10.5 KG	13.5KG	10.5 KG	13.5KG

MY LUMENS

MCPET inside | eco environmentally friendly | PSE | PSE | CE | RoHS

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