

Proposal for Broiler Farm Project

IP67 Dimmable Flicker Free LED Tube T12



1. Poultry Farm Introduction

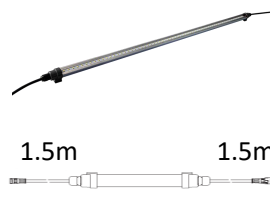
- Farm dimension: Length - 150m, Width - 16m width
- Broiler Project


2. Suggested LED Poultry Light and Dimming Controller


--> IP67 Dimmable Flicker Free 220V 1200MM LED Tube Light, Total 105pcs.

Total 3 row* 35pcs in 1 broiler house

--> Programmable Dimmer Controller 3000W with 0-10V signal

Product picture	Model number	Wattage/ CCT	Details
	DLP8AC18W12FB	18W 5000K for broiler	1) Voltage : 180-260Vac Flicker free 0Hz 2) Efficiency : 92%, PF : 0.96 3) T8 LED tube, 1500mm, 270degree 4) IP Grade : IP67 5) Dim : Dimming from 0-100%, lighting brightness from 1 to 100% 6) Certificate : TUV, SAA, SASO, CE, ROHS 7) 5 Years Warranty 8) With double side cable 1.5m each end

Model Number	Model Number	Wattage/Voltage	Details
	DLUX Programmable Dimmer	3000W 180-240Vac 50-60Hz	1) Dimming from 0-100%, lighting brightness from 1 to 100% 2) Manual light on/off 3) With 0-10V signal 4) Programmable Dimmer to simulate the sunrise and sunset, Light program setting 5) 6 years warranty

Product Picture	Model Number	Details
	DLPCA03	1) Extension Cable to connect the T shape cable to the Dimmer 2) Extension cable 2*1.0mm2 3) Rubber Cable in waterproof and fireproof

3. Lighting Quantity for 1 Broiler house

Products	Description	Quantities (PCS)
IP67 Dimmable LED tube	18W	105
3000W Dimmer	3000W	1
Extension cable with female	12m cable for connecting the first tube to the Dimmer	1
Extension cable with female & Female connectors	15m cable for connecting the first tube to the Dimmer	1
Extension cable with female & Female connectors	18m cable for connecting the first tube to the Dimmer	1
Junction Box	IP67 Junction Box 1 in 2 out	1
End caps	End caps to seal the last tube	3

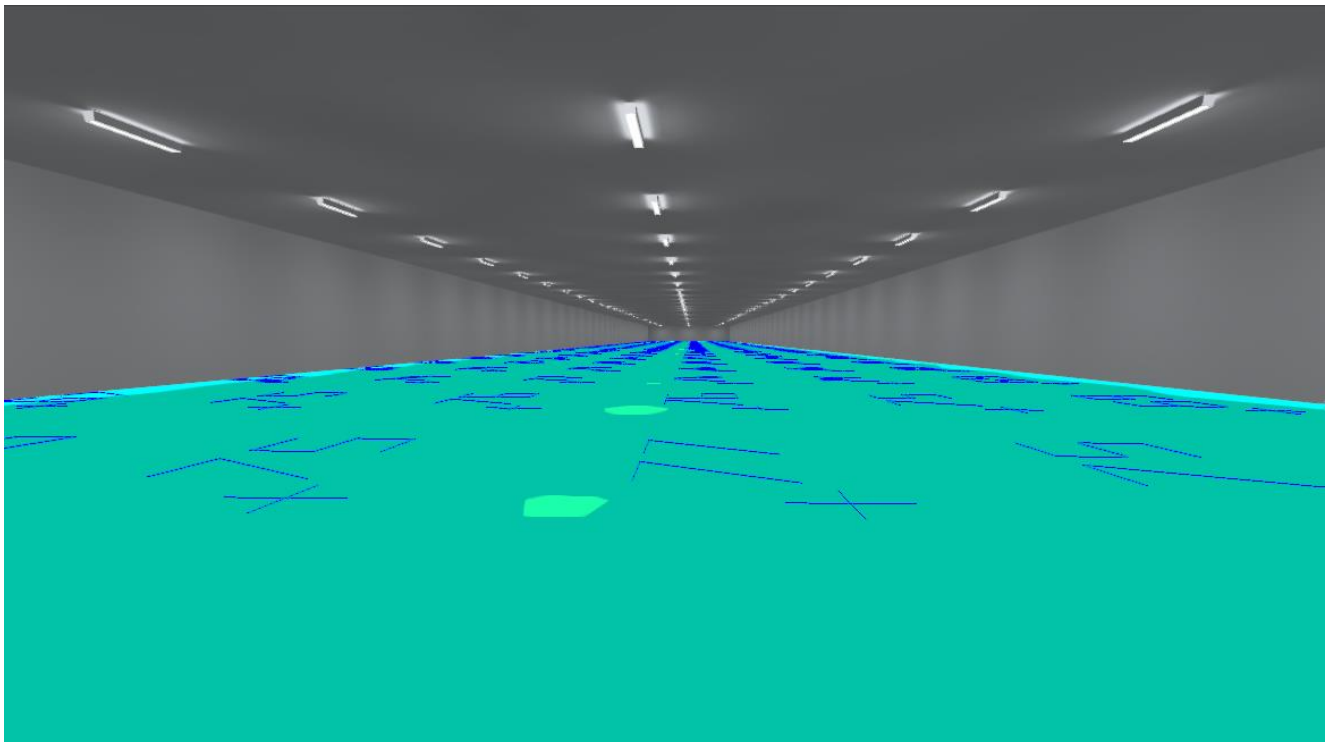
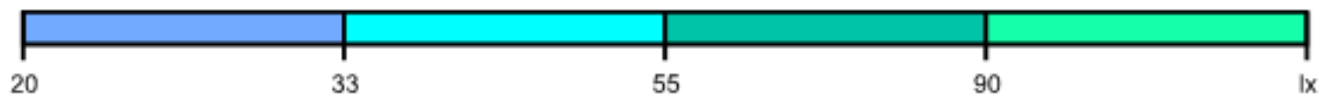
5.Simulation in Dialux

Perpendicular illuminance (Surface)

Mean (actual): 68.4x, Min:29.5 lx, Max: 91.7x, Min/average: 0.43, Min/max: 0.32

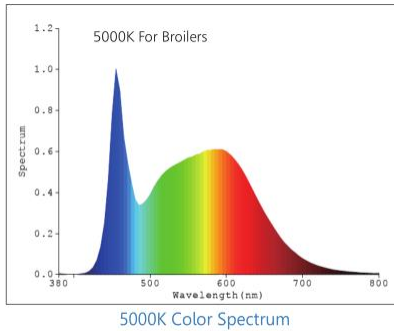
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False colors [lx]



6. Suggested Color Temperature For Chicken

Why 5000K is the suggested color temperature for broiler?



Red color increase food intake, reduces the feather pecking of chick.

Blue color decrease movement when catching the chicken, make it not frightened then improve the quality of chicken meat.

Green Color increases growth rate at an early age by enhancing proliferation of skeletal muscle satellite cells.

LED chips 5000K can help chicken gain more weight.

7.Connection & installation

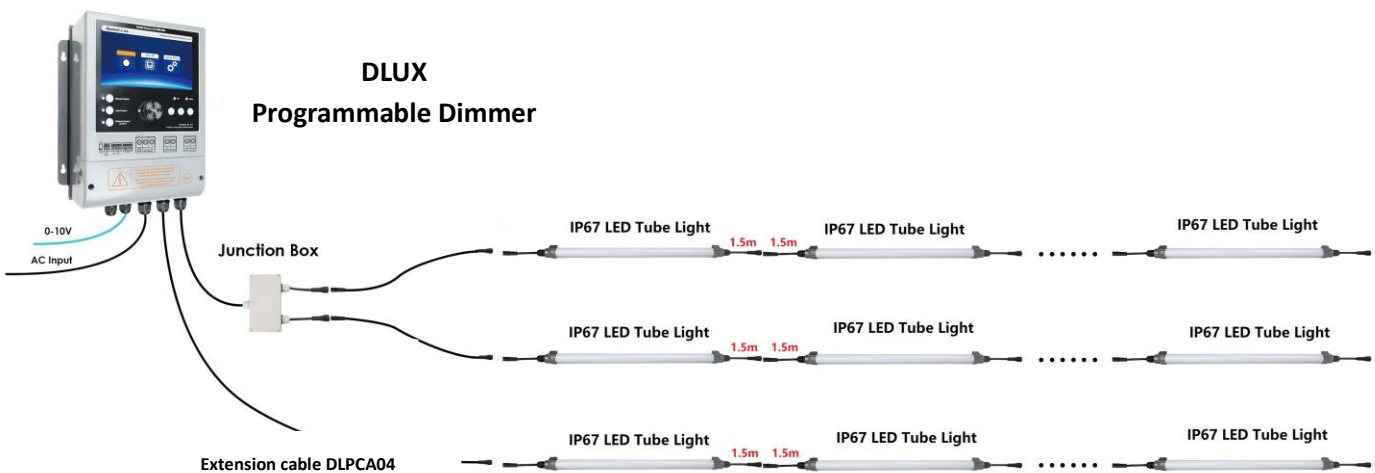
The Broiler house total need 105pcs 18W 5000K 180degree LED tube 220Vac.

Total 3 row* 35pcs in 1 Broiler house

LED tube easy to installation and connection, its easier installation and replace, save labor cost.

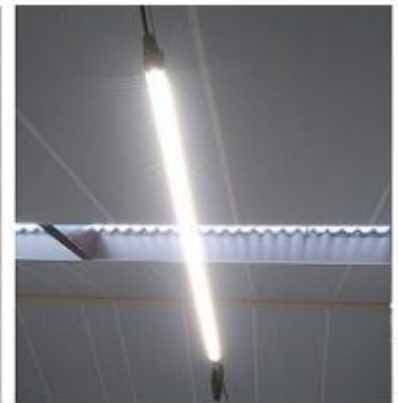
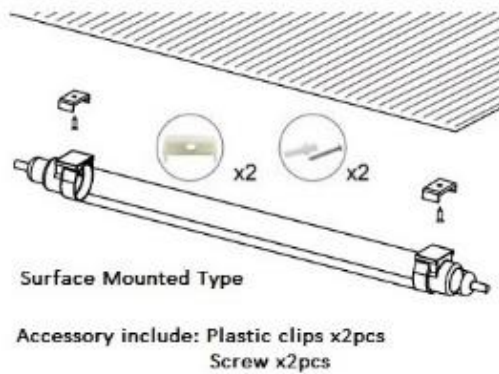
DLUX Programmable Dimmer 3000W control 105pcs LED lights total. LED bulbs can be dim from 1% to 100% to adjust the LUX on the Ground.

3000W Manual Dimmer with 0-10V signal, can be external controlled by computer which with 0-10V.



Clips for installation

Please choose one of type clips for tube light installation



8. Lighting project



Gemany Chicken Farm
Farm Size: 60m*16m Color Switchable LED Lights: 50pcs



Australia Chicken Farm
Farm Size: 148m*28m T12 LED Lights: 132pcs(3*44)



Australia Chicken Farm
Farm Size: 130m*15m T12 LED Lights: 96pcs(3*32)



Saudi Arabia Chicken Farm
Farm Size: 120m*80m T12 LED Lights: 680pcs



Poland Chicken Farm
Farm Size: 120m*14m T8 LED Lights: 90pcs(3*30)



Ukraine Chicken Farm
Farm Size: 80m*12m T12 LED Lights: 96pcs(3*32)



Saudi Arabia Breeder Farm



Korea Broiler Farm



South Africa Cage Chicken Farm