

大功率系列 工業與戶外燈



編者的話

Editor's Note



We focus on the core values of green lighting, aiming to present efficient, intelligent, and practical lighting solutions. Our 11 LED product series range from track lights and decorative lights for commercial applications to industrial and outdoor lighting, streetlights, and floodlights, covering a wide range of use cases. Key parameters such as luminous efficacy, power, and color rendering index can be customized to meet specific needs, making lighting more targeted.

Our products are guaranteed in terms of quality and performance. Meanwhile, addressing the problems of traditional lighting such as "always-on lights, high pollution, and short lifespan," we have launched three intelligent systems: sensor-activated dimming, solar lighting, and remote control, enabling on-demand dimming, low electricity consumption, and convenient operation.

我們聚焦綠色照明領域核心價值，旨在呈現高效、智能且貼合實際需求的照明解決方案。共 11 個系列 LED 產品，從適配商業場景的軌道燈、裝飾燈，到滿足工業與戶外需求的工礦燈、路燈、泛光燈，覆蓋多類使用場景，且光效、功率、顯指等關鍵參數均可按需定制，讓照明更具針對性。

我們的產品在品質與性能上有堅實保障。同時，針對傳統照明「長明燈、高污染、短壽命」的問題，我們推出感應調光、太陽能照明、遠端控制三大智慧化系統，實現按需調光、低電費消耗、便捷操控。

We hope this journal can serve as a practical reference for you in choosing lighting solutions, and we look forward to working with you to implement the concept of low-carbon and efficient lighting in more scenarios.

希望這本期刊能成為您選擇照明方案的實用參考，也期待與您攜手，將低碳、高效的照明概念落地到更多場景。

關於我們 / About us

iLighting Global Enterprise Co., Ltd.

智能環球企業有限公司



iLighting Global Enterprise Co., Ltd., founded in 2007, is a professional lighting company integrating design, manufacturing and supply. The company is committed to the research, development, manufacturing and sales of energy saving and environmental protection products. With 15 years of experience in the lighting industry, we offer OEM and ODM services. Our extensive experience enables us to accurately understand customer needs and provide stable and reliable customized products. We can customize a variety of high-efficiency, high-visibility, high-configuration lighting products, as well as environmentally friendly and energy-saving lighting solutions, to meet customer needs.

智能環球企業有限公司成立於2007年，是一家集設計、製造、供應於一體的專業照明公司。公司致力於節能環保產品的研發、製造和銷售。公司從事照明行業15年，可為客戶提供OEM和ODM服務，累積的深厚經驗使我們能精準掌握客戶需求，並提供穩定可靠的客製化產品。可以根據客戶需求定制各種高光效、高可視度、高配置的照明產品以及環保節能的照明解決方案。



High Quality
LED Lighting



Customized



System-wide
Energy Management



Green



Low Carbon



Energy Saving

Company Brands



Engineering & Specialty
工程與專業



Commerical Application
商業應用



Retail Market
零售市場



Decorative Lighting
裝飾照明



Intelligence & Lighting Control
智能照明控制



Certificate Authentication

資質證書 實力認證
Certificate Display

IEC 62384

IEC62276

EN IEC 61000
EN IEC 55015
EN IEC 61547

IEC 62031

TM-21-11

IEC61347

EMC REPORT

CIC Certificate

ISO 9001

EN IEC 60598

LED TUBE ROHS

-40°C TEST REPORT



CE/LVD、CE/EMC、ROHS

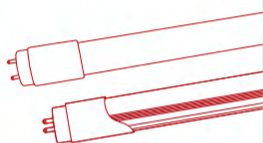
P3

Our Products

We research, develop, manufacture, and sell 11 series of products, including LED tubes & strips, kitchen & cabinet lights, downlights & spotlights, industrial & mining lights & streetlights, and IoT LED bulbs & track lights. Our high-quality products and excellent service have earned the recognition and trust of our customers.

我們研發並生產銷售LED燈管&燈條、廚房&櫥櫃燈、筒燈&射燈、工礦燈&路燈、物聯網LED燈泡&軌道燈等11個系列產品，高質量的品質以及優良的服務，獲得了客戶的認可和信賴。

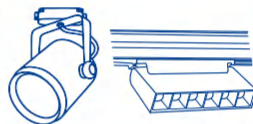
11 Main Series



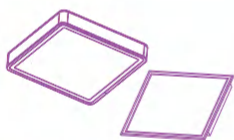
Series1. LED Tube



Series2. Strip & Cabinet



Series3. Track Light



Series4. Panel Light



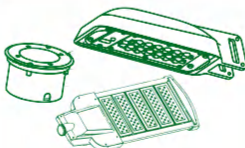
Series5. Spot Light



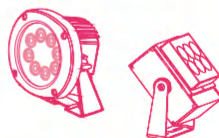
Series6. Down Light & Circular Light



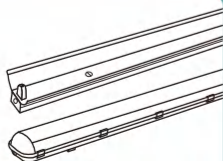
Series7. LED Bulb



Series8. Street Light & Ground



Series9. Flood Light



Series10. Batten & Ip65



Series11. Smart Home Solutions



規格參數可定制

Parameter customization

光效 (lm/W)、功率 (W)、顯色指數 (CRI), 可根據客戶需求定制。

Luminous efficacy (lm/W), power (W), and color rendering index (CRI) can be customized according to customer needs.

大功率照明

High-power Lighting

LED 泛光燈 LED FLOOD LIGHT

適用於廣場、停車場、露天工地、建築外牆亮化、庭園景觀、商場門頭等



Specification 產品規格

Model	FL-A50-GA	FL-A100-GA	FL-A200-GA
Power	50W	100W	200W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	130LM/W±10%		
Total Flux(lm)	6500lm	13000lm	26000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	30°/60°/90°/120°		
IP Grade	IP65		
Size(mm)	225*195*40	288*246*53	353*305*58



Specification 產品規格

Model	FL-A20-LM	FL-A50-LM	FL-A100-LM
Power	20W	50W	100W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	130LM/W±10%		
Total Flux(lm)	2600lm	6500lm	13000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	60°/90°/60°x120°		
IP Grade	IP66		
Size(mm)	116*140*53	196*239*76	241*310*85



LED 工礦燈 LED HIGH BAY LIGHT

適用於工廠車間、倉庫、礦山礦井、大型廠房、物流中心、高架庫等



Specification 產品規格

Model	HB-A100-UFO	HB-A200-UFO	HB-A300-UFO
Power	100W	200W	300W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	120-140LM/W±10%		
Total Flux(lm)	14000lm	28000lm	56000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	60°/90°/120°		
IP Grade	IP65		
Size(mm)	Φ280*175.5	Φ400*189	Φ400*213

Specification 產品規格



Model	HB-A60-BD	HB-A150-BD	HB-A200-BD
Power	60W	150W	250W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	130LM/W±10%		
Total Flux(lm)	7800lm	19500lm	32500lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	45°/60°/90°/120°		
IP Grade	IP54		
Size(mm)	Φ350*252	Φ350*302	Φ350*402



LED 投射燈

LED PROJECTION LAMP

適用於戶外廣告看板、體育場照明、建築輪廓、橋樑亮化、展會重點照明、遠距離補光等



Specification 產品規格

Model	FL-A300-TSB	FL-A400-TSB	FL-A500-TSB
Power	300W	400W	500W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	130LM/W±10%		
Total Flux(lm)	39000lm	52000lm	65000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	30°/60°		
IP Grade	IP65		
Size(mm)	469*469*191	469*469*191	553*553*191

Specification 產品規格

Model	FL-A500-TSX	FL-A800-TSX	FL-A1000-TSX
Power	500W	800W	1000W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	130LM/W±10%		
Total Flux(lm)	30000lm	45000lm	60000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	8°/10°/15°/25°/40°/60°		
IP Grade	IP65		
Size(mm)	116*140*53mm	196*239*76mm	241*310*85mm



Specification 產品規格



Model	SL-LDF-30W	SL-LDF-50W	SL-LDF-100W
Power	30W	50W	100W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80/90		
Efficiency	150LM/W±10%		
Total Flux(lm)	4500lm	7500lm	15000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	TYPE 2		
IP Grade	IP66		
Size(mm)	429*110*45	465*180*52	529*220*54

Specification 產品規格



Model	SL-LDH-50W	SL-LDH-100W	SL-LDH-200W
Power	50W	100W	200W
Voltage	AC100-277V 50/60Hz		
CRI	Ra>70/80		
Efficiency	130LM/W±10%		
Total Flux(lm)	6500lm	13000lm	26000lm
CCT	3000K/4000K/5000K/5700K/6500K		
LED Driver	MEAN WELL / MOSO / Inventronics		
Beam Angle	TYPE3/TYPER4/TYPER5		
IP Grade	IP66		
Size(mm)	472*178*67	572*240*65	675*298*65

智能化應用

感應調光/太陽能/遠程控制

Intelligent applications -

Sensor dimming/solar energy/remote control

Tailor-made high-efficiency optimization solutions for high-power lamps Promoting the improvement of energy system application efficiency

量身定製大功率燈高效能優化方案 促進能源系統應用效率提升

照明智能 優化方案



優化方案-感應調光應用

Continuous monitoring of environmental data (real-time sensor feedback, dynamic adjustment).

持續監測環境數據 (感測器即時回饋, 動態調整)。



優化方案-太陽能應用

Clean energy alternatives, solar modules, and energy storage and control modules.

清潔能源代替, 太陽能組件, 配置儲能與控制模組。



優化方案-遠程控制應用

Add a communication module, enable remote command control, status feedback, and terminal display.

加裝通訊模組, 遠端指令控制, 狀態回饋, 終端顯示。

感應調光智能化應用

Intelligent application of sensor lighting



時間控制



人體感應



光線感應



智能調光

感應調光 智能照明

(1) 無需手動操作: 自動感應 + 自動調光, 減少人工干預, 提升使用便利性。

(2) 延長燈具壽命: 低亮模式下電流小, 減少光源損耗, 比常亮燈具壽命延長。

(3) 安全適配: 人體感應, 自動提亮, 避免強光刺眼, 可適配不同環境需求。

(4) 智慧控制系統, 人體感應+光控+時控。



100W感應工礦燈



150W感應泛光燈



400W感應路燈

太陽能智能化應用

Intelligent application of solar energy



光感感應



太陽能



遠端操控



智能調光

太陽能 智能照明

(1) 清潔再生：太陽能供電，無電網消耗，契合環保。

(2) 智慧高效：光感 / 人體感應 + 自動開關調光，支援遠端操控，降低無效能耗。

(3) 光源模組靈活可調，適用不同緯度地域，最大化利用太陽能。

(4) 安全穩定：低壓供電觸電風險低，抗極端天氣，斷電可靠儲能續航。



100W 太陽能路燈



200W 太陽能投光燈



300W 太陽能路燈

遠程控制智能化應用

Remote control intelligent applications



無線連接



移動終端



遠端操控



後台管理

遠程控制 智能照明

(1) 精準節能管控：分區域、分時段遠端調節，避免“長明燈”，公共區域可降低能耗。

(2) 管理效率提升：集中遠端管理替代人工巡檢，減少維護成本，故障快速反應。

(3) 安全適配：人體感應，自動提亮，避免強光刺眼，可適配不同環境需求。

(4) 後台集中遠端管理，分區域定時開關、亮度調節，故障即時上報，減少人工巡檢成本。



100W 智慧控制工礦燈

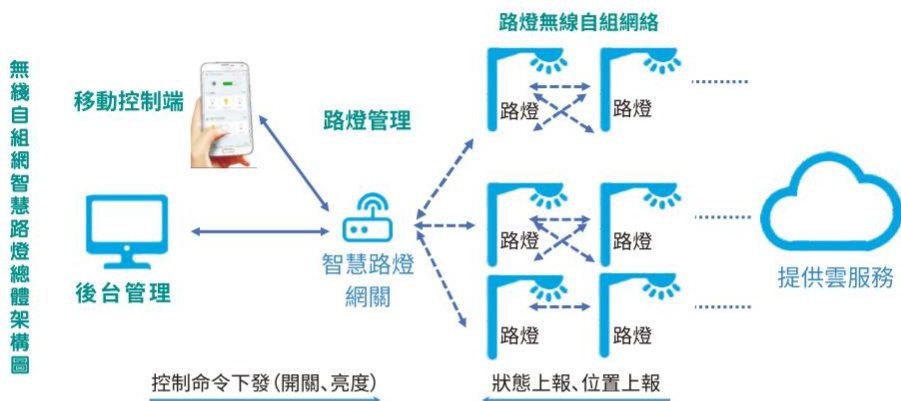


200W 智慧控制泛光燈

智慧路燈

Smart streetlights

智慧路燈物聯網應用綜合解決方案



智慧燈桿-結構組成

Smart light pole - structural composition

Smart light poles are designed for smart city construction, aiming to build a powerful, intelligent, clean and orderly urban management network that integrates facilities such as monitoring, charging piles, smart lighting, sensors, WIFI, LED advertising, and emergency signals to enhance citizens' sense of participation and intuitive experience.

智慧燈桿為智慧城市建設而生，旨在建構強大智慧、整潔有序的城市管理網絡，整合監控、充電樁、智慧照明、感測器、WIFI、LED 廣告、緊急信號等設施，提升市民參與感與直覺體驗。



燈光設計

配光曲線測試 & 照明模擬

Lighting Design - IES & DIALux

工礦燈 IES測試(範例) High Bay IES Test (Example)

LED luminaire IES curve (light distribution curve) test, core items: measured power, voltage, current, power factor, total luminous flux, luminous efficiency, beam angle, illuminance, light distribution curve, luminous intensity distribution, luminaire efficiency, and uniform glare index.

LED 燈具 IES 曲線 (配光曲線) 測試, 核心項目: 實測功率、電壓、電流、功率因數、光通量、發光效率、光束角、照度、配光曲線、光度分佈、燈具效率、統一眩光指數。

Product : LED HIGH BAY LIGHT

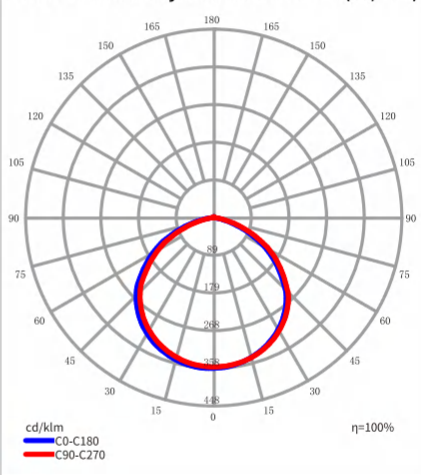
Model: HB-UFO200-H148

Product Spec: 200W PF>0.9 CRI80

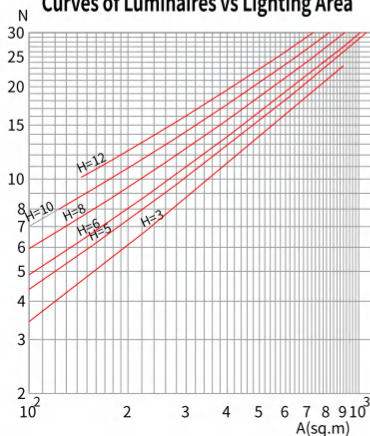
Flicker-Free 130LM/W



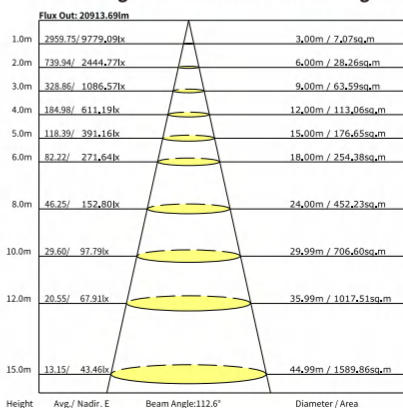
Luminous Intensity Distribution Curve(cd/klm)



Curves of Luminaires vs Lighting Area



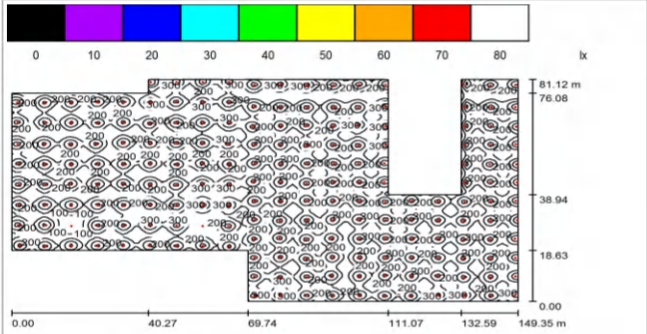
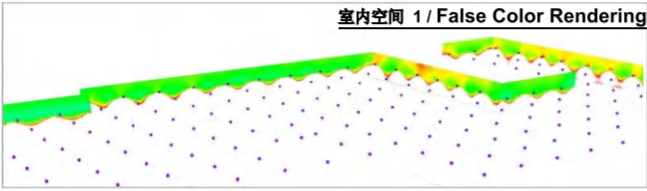
The Average Illuminance Effective Figure



工礦燈Dialux系統模擬(範例) High Bay Lighting Dialux System Simulation (Example)

Lighting simulation service: Using professional software/technology to digitally simulate spatial lighting, accurately predicting indicators such as light distribution, brightness, color temperature, and color rendering index before installation, providing visualization effects, mitigating design risks, and maximizing return on investment.

照明模擬服務：以專業軟體/技術數位化類比空間照明，安裝前精準預測光照分佈、亮度、色溫、顯色性等指標，視覺化效果、規避設計風險、最大化投資回報。



Height of Room: 8.000 m, Light loss factor: 0.80

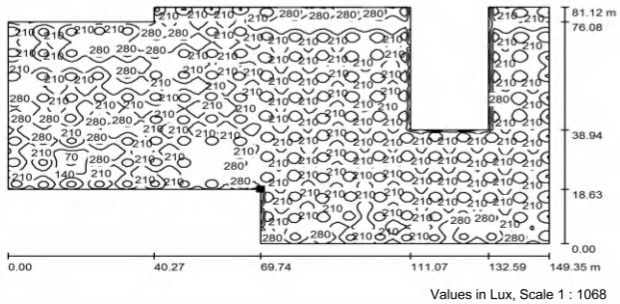
Surface	ρ [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$
工作面	/	237	39	510	0.166
地板	20	235	56	379	0.238
天花板	70	47	32	77	0.668
Walls (12)	50	97	31	8349	/



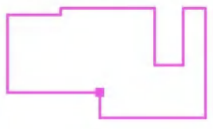
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	196	HB-A150-H108E6 (1.000)	13988	13989	144.5
Total:			2741666	2741883	28322.0

Specific connected load: $2.92 \text{ W/m}^2 = 1.23 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 9700.93 m^2)



Position of surface in room:
Marked point:
(94.468 m, 75.917 m, 0.000 m)

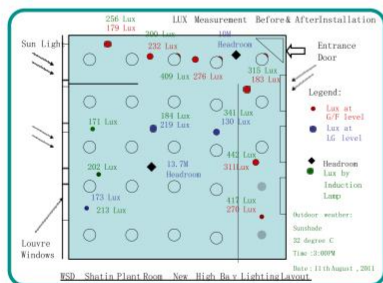
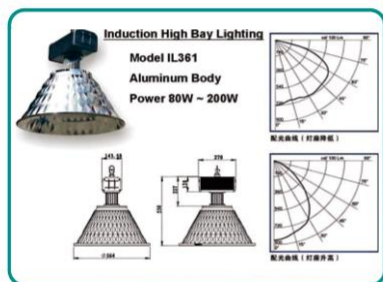


工作案例參考

Job Reference

水務署機房照明改裝 WSD Plant Room Highbay Retrofit

iLighting supplied Long Life 200W Induction lamp to replace existing 400W HPS lamps at height about 10M level above ground. The retrofit had got satisfactory results with energy saving of 50% and light illumination level on ground floor increased to 100LUX more than before. The average LUX level on ground is about 350. /In addition, the color rendering had bee increased from 40Ra to 80Ra.



鱷魚恤中心 Crocodile Centre

Product: LED Flood light 600W 84000lm 5700K IP67 30 lamps

