



Ingress Protection (IP) Rating of
HIGH BAY LUMINAIRE
درجة الحماية ضد الأتربة و المياه

• **Sample Tested:**

- HIGH BAY LUMINAIRE
- 150W

• **International standards :**

➤ IEC 60529:1989/AMD2:2013/COR1:2019

Degrees of protection provided by enclosures (IP Code)

• **Prepared By :Dr. Mohamed Rabah Amer**

مركز بحوث الطاقة
كلية الهندسة - جامعة القاهرة
M Rabah
ERC - CUF



Approved by

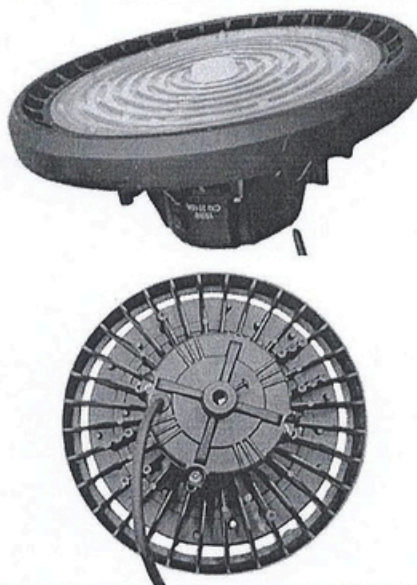
Rabah Amer
Prof. Rabah Yousif Amer
ERC Director

January 20, 2026



• Sample Tested:

- HIGH BAY LUMINAIRE
- 150W
- DRIVER: PHILIPS
 - (9290 034 030)
 - XI 150W
- IP65



مركز بحوث الطاقة
كلية الهندسة - جامعة القاهرة

Al Barakah

ERC - CUF

• Test Results

TESTS CONDUCTED		TESTING CONDITION	OBSERVATIONS
1	Requirements of IP 6X	Clause No. 13.4 Protection against ingress of solid foreign objects-dust protection test. Talc applied in testing box: 2kg/m^3 of the test chamber volume	No ingress of dust.
2	Requirements of IP X5	Clause No. 14.2.5 Protection against ingress of water jet nozzle, internal diameter of the nozzle: 6.3mm, Delivery rate: $12.5\text{L/min} \pm 5\%$ for 15min	No ingress of water.
Remark:		The test results for sample (IP65) are compliant with the classification declared by the manufacturer	

• Tested by: Dr. Mohamed Rabah Yousif Amer

January 20, 2026