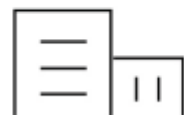




POW STREET LED LIGHTING SERIES 2021 CATALOG



OUR COMPANY

GLOBAL AUTOMATION IS AN INDUSTRIAL AND TRADING COMPANY WHICH SEEKS TO DELIVER AND PROVIDE INTEGRATED SOLUTIONS IN THE ELECTRICAL FIELD WITH ITS PRODUCTS AND APPLICATIONS AND WE EXERT PLENTY OF EFFORTS TO DEVELOP THE PRODUCTS AND APPLICATIONS AND WE ALWAYS ASPIRE FOR MORE MODERN LIFE SOLUTIONS



GLOBAL AUTOMATION
FOR METAL FORM
AND MANUFACTURING OF
ELECTRICAL PANELS
AND LED PRODUCTION

GLOBAL AUTOMATION
WE WORK IN :
STREET SEARCHLIGHTS
ELECTRICAL PANELS
AUTHARISED SELLER FOR
ALL ELECTRICAL PRODUCTS



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FEATURES



EASY INSTALLATION

WIDE BEAM ANGLE

HOUSING

made from high pressure die cast with ant scratch electrostatic powder painting.

OPERATING VOLTAGE

(100-300) v ac

LOW MAINTENANCE

HIGHER ENERGY SAVING

HEAT SINK

made from aluminum.

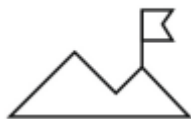
LIGHT DISTRIBUTION

uniform light distribution





TESTING FACILITIES



Global Automation guarantees that all its luminaires are tested according to the latest standards and with the highest technology equipment.

ALL OUR PRODUCTS GO THROUGH SEVERAL TESTS

- **Function Test / Circuit Continuity**
(with lamp or simulation lamp)
- **Insulation Resistance**
measured between the live and neutral terminals linked together and the earth terminal or between the conductors of class II and class III luminaires and the metal enclosure.
- **Earth Continuity**
applied between earthing terminal on luminaires and the most accessible parts likely to become live. settable and adjustable luminaires placed in most onerous position.
- **Electric Strength**

TEST CERTIFICATES

GLOBAL AUTOMATION POW STREET LUMINAIRES SERIES HAS FULFILLED :

- **ISO 9001:2015**
for metal forming & manufacturing of electrical panels.
- **ENEC LICENCE**
for luminaires for road and street lighting , insulation class I , IK08 ta 50 C.
- **CB TEST CERTIFICATE**
IEC system for mutual recognition of test certificates for electrical equipment.
- **EPS ACCEPTANCE**
authorised supplier by the egyptian power system consultant



ISO 9001:2015

Certificate of

This is to Certify that
Quality Management System of

GLOBAL AUTOMATION FOR METAL FORM AND
MANUFACTURING OF ELECTRICAL PANELS

HEAD OFFICE: FIRST FLOOR ROUND, BUILDING 22 UNTIL NO.1, RESIDENTIAL,
COMMERCIAL AND ADMINISTRATIVE GROUPING PROJECT, PLOT NO. 10 MC3,
10TH OF RAMADAN- ALSHARQIA- EGYPT
FACTORY: FIRST FLOOR ROUND, PLOT (4), INDUSTRIAL ZONE SOUTH WEST 6/
10TH OF RAMADAN- ALSHARQIA- EGYPT

has been assessed and found to conform to the requirements of
ISO 9001:2015
for the following scope :

METAL FORMING & MANUFACTURING OF ELECTRICAL PANELS.

Certificate No : 19IQED15A
Initial Registration Date : 07/12/2019 Issuance Date : 07/12/2019
Date of Expiry : 06/12/2022
1st Surve. Due : 07/11/2020 2nd Surve. Due : 07/11/2021

M. Park

Director



ACCREDITED
Management Systems
Certification Body
MSCB-119




AQC MIDDLE EAST FZE.

Head Office: El-1401 E Amber Gem Tower, Sheikh Khalifa Bin Zayed Road, 2, Ajman, UAE. e-mail: info@aqcworld.com
*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn.

Certificate Verification: Please Re-check the validity of certificate at <http://www.aqcworld.com/certificateverification.aspx> or info@aqcworld.com as Active Clients.
Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded.

ENEC LICENSE

License No. ENEC-03651
Page 1/3
Date of Issue 2021-08-26

License Holder GLOBAL AUTOMATION FOR METAL FORM AND MANUFACTURING OF ELECTRICAL PANELS
FIRST FLOOR ROUND , BUILDING 22 UNIT NO.1 RESIDENTIAL,
COMMERCIAL AND ADMINISTRATIVE GROUPING PROJECT , PLOT NO.10 MC3 /10TH OF RAMADAN - EL SHARQUA
EGYPT
Production site GLOBAL AUTOMATION
FIRST FLOOR ROUND. PLOT (4) INDUSTRIAL ZONE SOUTH WEST 6/. 10TH OF RAMADAN . ELSHARQIA
EGYPT
Certification Mark See Annex 1
Certified Product Luminaire for road and street lighting
Model POW-320-RW
See Page 2
Trademark 
Rated Voltage / Frequency 220-240V~ 50/60Hz
Rated Current / Power 320 W
Insulation Class Class I
Degree of protection (IP) IP66
See Page 2
Tested acc. to EN 60598-1:2015, EN 60598-1:2015/A1:2018, EN 60598-2-3:2003/A1:2011
Test Report No. 4789726504.1 issued on 2021-08-12
Additional Information IK08 ta 50°C

Certification Manager
Jan-Erik Storgaard

Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 16 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement (including without limitation the ENEC Mark Testing and Certification Services Service Terms). Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this License is amended or withdrawn prior to the Date of Withdrawal of conflicting Standard(s).

UL International Demko A/S, Borupvang 5A, DK-2750
Ballerup, Denmark, Tel. +45 44 85 65 65, info.dk@ul.com
www.ul.com



CB TEST CERTIFICATE

Product	Luminaires for road and street lighting
Name and address of the applicant	GLOBAL AUTOMATION FOR METAL FORM AND MANUFACTURING OF ELECTRICAL PANELS FIRST FLOOR ROUND , BUILDING 22 UNIT NO.1 RESIDENTIAL, COMMERCIAL AND ADMINISTRATIVE GROUPING PROJECT , PLOT NO.10 MC3 /10TH OF RAMADAN - EL SHARQUA EGYPT
Name and address of the manufacturer	GLOBAL AUTOMATION FOR METAL FORM AND MANUFACTURING OF ELECTRICAL PANELS FIRST FLOOR ROUND , BUILDING 22 UNIT NO.1 RESIDENTIAL, COMMERCIAL AND ADMINISTRATIVE GROUPING PROJECT , PLOT NO.10 MC3 /10TH OF RAMADAN - EL SHARQUA EGYPT
Name and address of the factory	GLOBAL AUTOMATION FIRST FLOOR ROUND, PLOT (4) INDUSTRIAL ZONE SOUTH WEST 6/ 10TH OF RAMADAN . ELSHARQIA EGYPT
Note: When more than one factory, please report on page 2	<input type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	220-240V~ 50/60Hz 320 W Class I IP66 IK08 ta 50°C <input checked="" type="checkbox"/> Additional Information on page 2
Trademark (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	POW-320-RW <input checked="" type="checkbox"/> Additional Information on page 2
Additional information (if necessary may also be reported on page 2)	<input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 60598-1:2014, IEC 60598-2-3:2002/AMD1:2011, IEC 60598-2-3:2002, IEC 60598-1:2014/AMD1:2017
As shown in the Test Report Ref. No. which forms part of this Certificate	4789726504.1 issued on 2021-08-12

This CB Test Certificate is issued by the National Certification Body



UL (US), 333 Pingston Rd IL 60962, Northbrook, USA
UL (Denko), Borspreng SA DK-2750 Bellerup, DENMARK
UL (JP), Marunouchi Trust Tower Main Building 5F, 1-5-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/nbcschemes

Date: 2021-08-23

Signature: Jan-Erik Storgaard

الموضوع : مراجعة واعتماد كشافات ليد
لمشروع عملية طرق ربط محطة القطار الكهربائي بالمنطقة
السكنية جنوب قرية المعرفة والمنسد تنفيذه للشركة
المصرية ارسكويد للمقاولات

السيد المهندس / رئيس جهاز مدينة العاشر من رمضان

تحية طيبة وبعد . . .

إيماءاً الى الموضوع عاليه وبالإشارة الى الخطاب الوارد إلينا من سيادتكم رقم ٣٣٨٨ بتاريخ ٢٠٢١/٠٩/١٥ والخاص بمراجعة وإعتماد الكشافات الليد من إنتاج شركة جلوبيال اوتوميثن .
• عدد (٢٠٠) كشاف (Pow-125) .

أفيد سيادتكم علماً بأن الكشاف مطابق للمواصفات الفنية الخاصة بهيئة المجتمعات العمرانية الجديدة والمعدة من قبل شركتنا .

وقد تم تسليم العينة بعد فحصها ومطابقتها معتمدة من شركتنا لمندوب الجهاز ويقوم المقاول بتقديم دراسة ضوئية حسب المواصفات السابقة ويلتزم المقاول بتحقيق شدة الإضاءة طبقاً للكود المصرى للإضاءة وتحقيق مستوى إضاءة M4 ومراجعتهم واعتماده من مهندسى الجهة المشرفة على التنفيذ للكشاف .

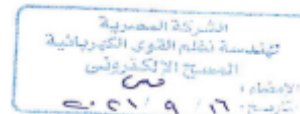
مع ضرورة التنسيق مع مهندسى الجهاز ومهندسى شركتنا لأخذ عينة عشوائية من الكميات المركبة للمشروع وعمل الاختبارات الأولية بالمكتب (درجة اللون CCT – Under – Power Factor – and over Voltage) وذلك للتأكد من مدى مطابقتها للعينة المعتمدة .

حيث قام أحد المقاولين بإعتماد عينة من الكشافات المعتمدة والمطابقة لمواصفات هيئة المجتمعات العمرانية الجديدة والمعدة من قبل شركتنا (شركة العربى للنحاس كشاف طراز AC-SMD3) وتم إزالة الاعتماد للكشاف المعتمد بشركة المركز العربى للنحاس وتم لصقها على كشاف آخر لم يسبق لشركة النظم مراجعته أو إعتماده وقام بتوريد الكشافات الغير معتمدة لدى جهاز مدينة الشيخ زايد وتم عمل محضر خاص بهذه الواقعة هذا للعمل والاحاطة.

وتفضلوا بقبول فائق الاحترام ،،

مع خالص تحياتي
رئيس قطاع شبكات التوزيع

مهندس / اسامه محمود المطراوى



الشركة المصرية
لهندسة نظم القوى الكهربائية
الأشريف العام
صاندر رقم: ٢٥١٢
بتاريخ: ٢٠٢١/٠٩/١٦

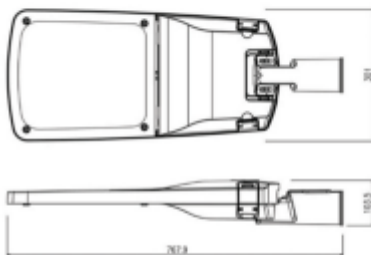
تحريراً فى: ٢٠٢١/٠٩/١٦

POW-50

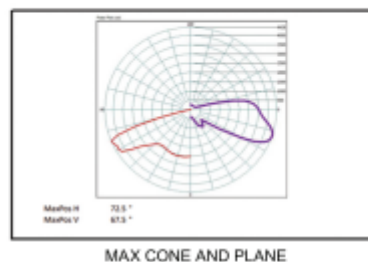
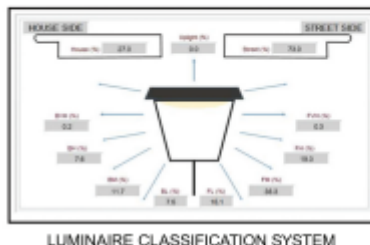


MAIN TECHNICAL DATA

- **Installation Type :**
pole - mounted
- **LED Model :**
OSRAM OSOLON square GW CSSRM3.PM
- **LED DRIVER Model :**
MEAN WELL ELG-75-C700
- **LED Forward Current (mA) :**
700
- **Dimensions :**



- **Photometrics :**

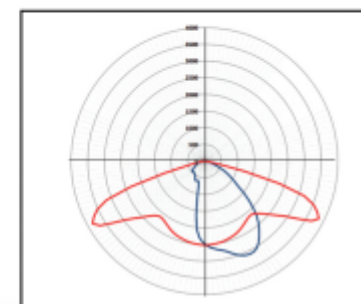
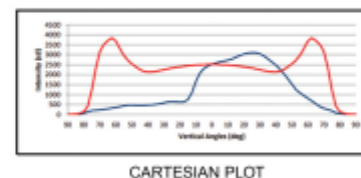


Product Description :

LED luminaire for street lighting
equipped with 24 LEDs
and integrated electronic
control gear . CCT 4000 k

Electrical Ratings :

input voltage (V) : 100 - 277
input current (A) : -
input power (W) : 50
input frequency (Hz) : 50/60

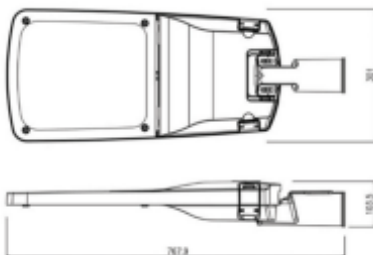


POW-105

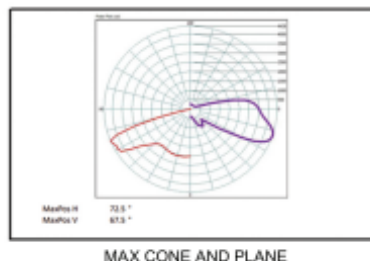
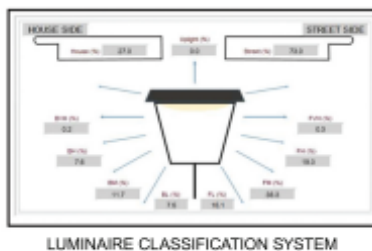


MAIN TECHNICAL DATA

- **Installation Type :**
pole - mounted
- **LED Model :**
OSRAM OSOLON square GW CSSRM3.PM
- **LED DRIVER Model :**
MEAN WELL ELG-150-C700
- **LED Forward Current (mA) :**
700
- **Dimensions :**

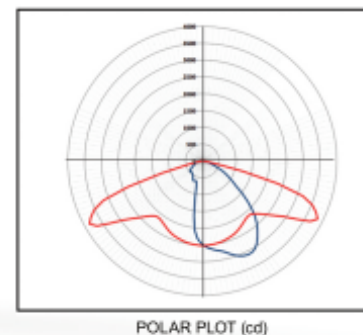
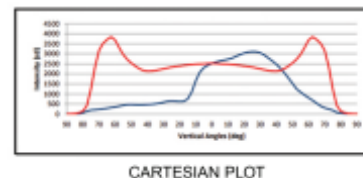


- **Photometrics :**



Product Description :
LED luminaire for street lighting
equipped with 48 LEDs
and integrated electronic
control gear . CCT 4000 k

Electrical Ratings :
input voltage (V) : 100 - 277
input current (A) : -
input power (W) : 105
input frequency (Hz) : 50/60

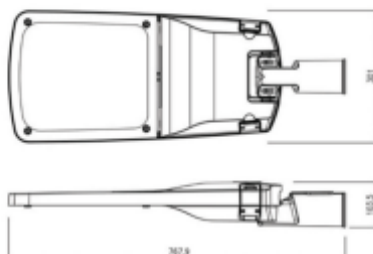


POW-125

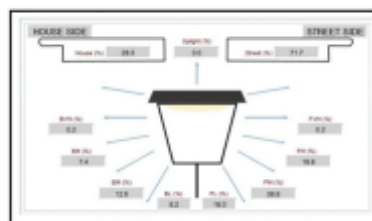


MAIN TECHNICAL DATA

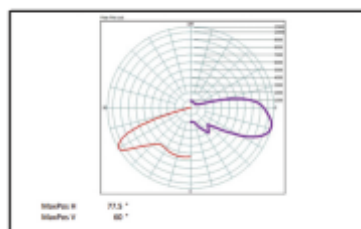
- **Installation Type :**
pole - mounted
- **LED Model :**
OSRAM OSOLON square GW CSSRM3.PM
- **LED DRIVER Model :**
MEAN WELL ELG-200-C700
- **LED Forward Current (mA) :**
700
- **Dimensions :**



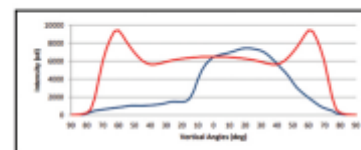
● Photometrics



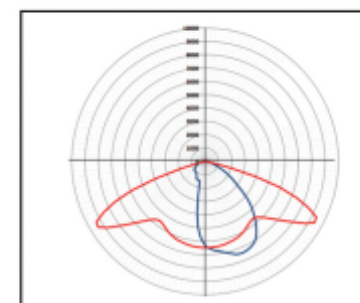
LUMINAIRE CLASSIFICATION SYSTEM



MAX CONE AND PLANE



CARTESIAN PLOT



POLAR PLOT (cd)

Product Discription :

LED luminaire for street lighting
equiped with 64 LEDs
and integrated electronic
control gear . CCT 4000 k

Electrical Ratings :

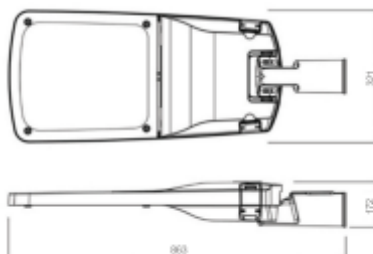
input voltage (V) : 100 - 277
input current (A) : -
input power (W) : 125
input frequency (Hz) : 50/60

POW-200

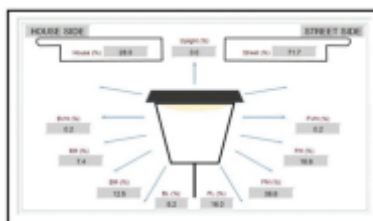


MAIN TECHNICAL DATA

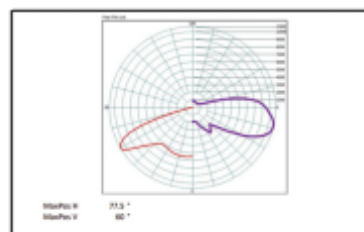
- **Installation Type :**
pole - mounted
- **LED Model :**
OSRAM OSLO square GW CSSRM3.PM
- **LED DRIVER Model :**
(2X) MEAN WELL ELG-150-C700
- **LED Forward Current (mA) :**
700
- **Dimensions :**



● Photometrics



LUMINAIRE CLASSIFICATION SYSTEM



MAX CONE AND PLANE

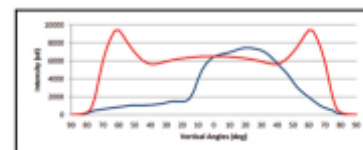


Product Description :

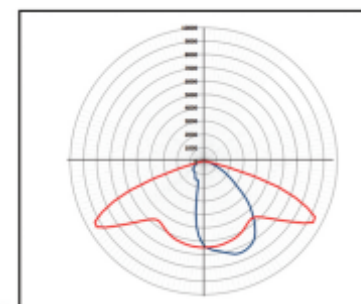
LED luminaire for street lighting
equipped with 96 LEDs
and two integrated electronic
control gear . CCT 4000 k

Electrical Ratings :

input voltage (V) : 100 - 277
input current (A) : -
input power (W) : 200
input frequency (Hz) : 50/60



CARTESIAN PLOT



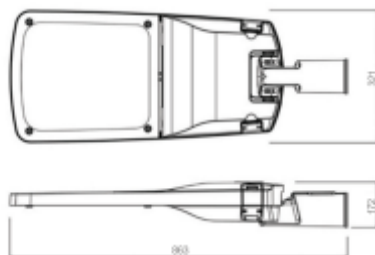
POLAR PLOT (cd)

POW-320

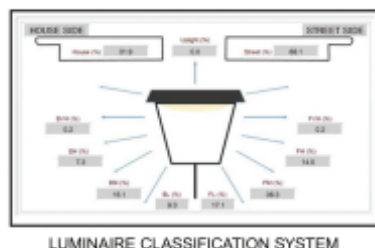


MAIN TECHNICAL DATA

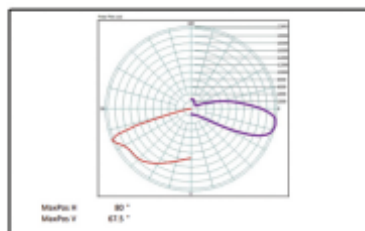
- **Installation Type :**
pole - mounted
- **LED Model :**
OSRAM OSOLON square GW CSSRM3.PM
- **LED DRIVER Model :**
(2X) MEAN WELL ELG-240-C700
- **LED Forward Current (mA) :**
700
- **Dimensions :**



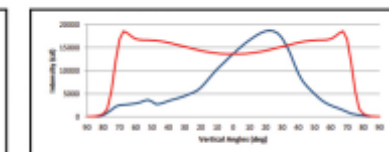
- **Photometrics :**



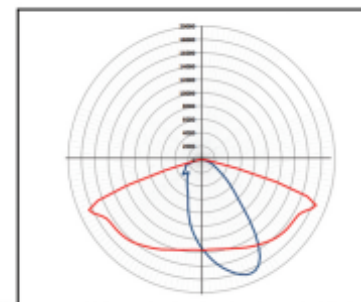
LUMINAIRE CLASSIFICATION SYSTEM



MAX CONE AND PLANE



CARTESIAN PLOT



POLAR PLOT (cd)



Product Discription :

LED luminaire for street lighting
equipped with 192 LEDs
and two integrated electronic
control gear . CCT 4000 k

Electrical Ratings :

input voltage (V) : 100 - 277
input current (A) : -
input power (W) : 320
input frequency (Hz) : 50/60

DRIVER PERFORMANCE



MEAN WELL ELG (75 - 150 - 200-240) C700 :



ELG -240-C series is a 240 W LED AC/DC driver featuring the constant current mode and high voltage output . ELG -240-C operates from 100~305VAC and offers models with different rated current ranging between 700 mA and 2100 mA. thanks to high efficiency up to 92% with the fanless design the entire series is able to operate for -40 C~+85 C case temperature under free air convection . the design of metal housing and IP67/IP65 ingress protection level allows this series to fit both indoor and outdoor applications. its also equipped with various function options , such as dimming methodologies , so as to provide the optimal design flexibility for LED lighting system .

DRIVER PERFORMANCE



DRIVER FEATURES :

- constant current mode output
- metal housing design with functional ground
- built-in active PFC function
- typical lifetime > 5000 hours
- 5 years warranty
- no load / standby power consumption <0.5 W
- IP67 / IP65 rating for indoor or outdoor installations
- function options: output adjustable via potentiometer ;
3 in 1 dimming (dim -to - off) ; smart timer dimming ; DALI



LED PERFORMANCE

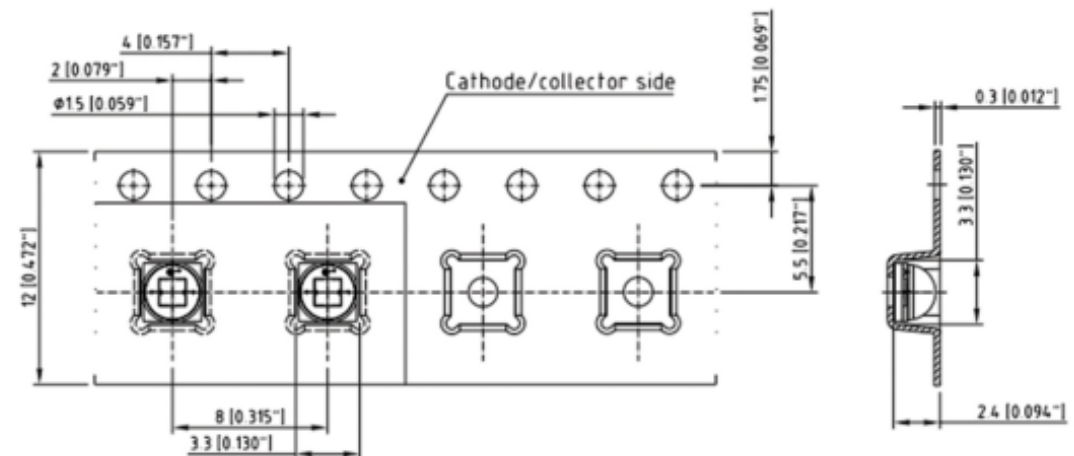


OSRAM OSLON GW CSSRM3.PM :

fifth generation of OSLON square with enhanced performance.
most compact high -power LED with well known superior
robustness, high reliability, long lifetime and low thermal resistance

OSRAM
Opto Semiconductors

TAPNG



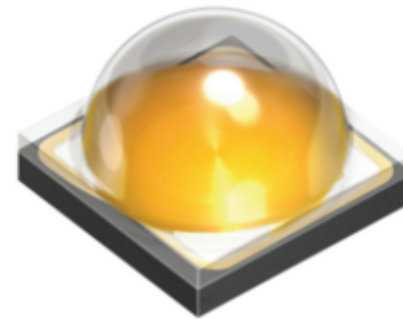
C67062-A0160-B4-02

LED PERFORMANCE



LED FEATURES :

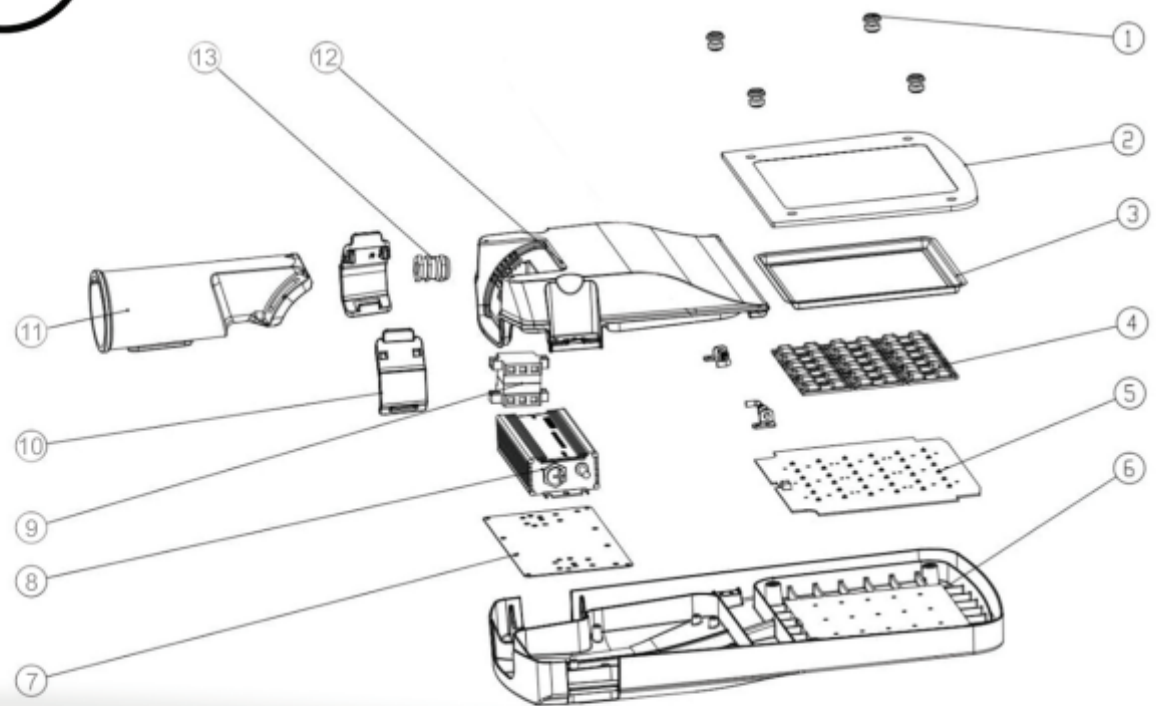
- package: SMT ceramic package with silicone lens
- top. radiation : 120 (lambertian emitter)
- corrosion robustness class : 3B
- color temperature : 2200K - 6500K
- CRI 70 (min.) , 72 (typ.) , R9 : -40 (min.)
- ESD : 8 kV acc. to ANSI/ESDA/JEDEC JS -001 (HBM, class 3B)
- luminous flux : typ. 335 lm @4000 K, 85 C
- luminous efficacy : typ. 171 lm/w @4000 K , 85 c.



GENERAL INFORMATION

POW SERIES COMPONENTS

- | | |
|--------------------------------------|-------------------------------|
| 1 silicon nut | 8 driver |
| 2 tempered glass IK08 | 9 knife switch |
| 3 reflector | 10 aluminum lock |
| 4 high quality plastic lenses | 11 moving aluminum arm |
| 5 aluminum PCB | 12 aluminum cover |
| 6 aluminum body | 13 metal gland |
| 7 graphite sheet | |



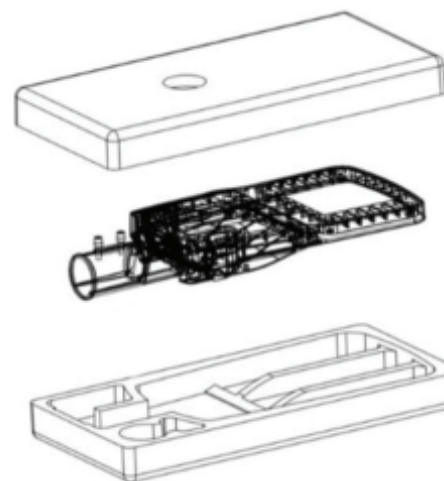
GENERAL INFORMATION

INSTALLATION INSTRUCTIONS

- mount the luminaire as shown in (A). insert the pole's arm in the luminaire and strictly tighten it.
- for tilting kindly loose the nuts shown in (B) and tilt the head in the desired direction.



PACKAGING





PHONE:
01092300079
01007003982



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