

CERTIFICATE

No. 902104



This is to certify that the Quality Management System of

GRUP IMAJ AYDINLATMA SANAYI VE TICARET A.S.
KAVAKLI MAHALLESİ DENİZ AKTAS CADDESİ NO: 6 BEYLİKDUZU
ISTANBUL
TURKEY

has been assessed and found to be in compliance with the standard

ISO 9001:2015

applicable to

**DESIGN AND PRODUCTION OF FLUORESCENT LAMPS
BALLASTS, HIGH PRESSURE LAMPS BALLASTS,
ELECTRONIC BALLASTS AND DRIVERS, IGNITORS,
INTERNAL AND EXTERNAL LUMINAIRES, LED INTERNAL
AND EXTERNAL LUMINAIRES AND FLOODLIGHTS,
LIGHTING POLES, LIGHTING AUTOMATION, LOW &
HIGH VOLTAGE DISTRIBUTION BOXES, HIGH PRESSURE
LAMPS, SAFETY AND ISOLATION TRANSFORMERS,
MEDIUM VOLTAGE FUSES.**

The certificate has been issued under No. **902104** for the registration period from 2nd February 2019 to 1st February 2020. The first

certificate date of issue is 2nd February 2015.

Approved by

Printed by



validity code: **136B9FBF-CBB**

Check the validity of this certificate using this code at www.ll-c.info



CERTIFICATE

No. 902104



This is to certify that the Environmental Management System of

GRUP IMAJ AYDINLATMA SANAYI VE TICARET A.S.
KAVAKLI MAHALLESİ DENİZ AKTAS CADDESİ NO: 6 BEYLİKDUZU
ISTANBUL
TURKEY

has been assessed and found to be in compliance with the standard

ISO 14001:2015

applicable to

**DESIGN AND PRODUCTION OF FLUORESCENT LAMPS
BALLASTS, HIGH PRESSURE LAMPS BALLASTS,
ELECTRONIC BALLASTS AND DRIVERS, IGNITORS,
INTERNAL AND EXTERNAL LUMINAIRES, LED INTERNAL
AND EXTERNAL LUMINAIRES AND FLOODLIGHTS,
LIGHTING POLES, LIGHTING AUTOMATION, LOW &
HIGH VOLTAGE DISTRIBUTION BOXES, HIGH PRESSURE
LAMPS, SAFETY AND ISOLATION TRANSFORMERS,
MEDIUM VOLTAGE FUSES.**

The certificate has been issued under No. **902104** for the registration period from 2nd February 2019 to 1st February 2020. The first

certificate date of issue is 2nd February 2015.

Approved by

Printed by



validity code: **9750F113-61F**

Check the validity of this certificate using this code at www.ll-c.info



125612

CERTIFICATE

No. 902104



This is to certify that the Occupational Health and Safety Management System of

GRUP IMAJ AYDINLATMA SANAYI VE TICARET A.S.
KAVAKLI MAHALLESİ DENİZ AKTAS CADDESİ NO: 6 BEYLİKDUZU
İSTANBUL
TURKEY

has been assessed and found to be in compliance with the standard

BS OHSAS 18001:2007

applicable to

**DESIGN AND PRODUCTION OF FLUORESCENT LAMPS
BALLASTS, HIGH PRESSURE LAMPS BALLASTS,
ELECTRONIC BALLASTS AND DRIVERS, IGNITORS,
INTERNAL AND EXTERNAL LUMINAIRES, LED INTERNAL
AND EXTERNAL LUMINAIRES AND FLOODLIGHTS,
LIGHTING POLES, LIGHTING AUTOMATION, LOW &
HIGH VOLTAGE DISTRIBUTION BOXES, HIGH PRESSURE
LAMPS, SAFETY AND ISOLATION TRANSFORMERS,
MEDIUM VOLTAGE FUSES.**

The certificate has been issued under No. **902104** for the registration period from 2nd February 2019 to 1st February 2020. The first certificate date of issue is 2nd February 2015.

Approved by

Printed by



validity code: **2F3AE1CA-C3C**

Check the validity of this certificate using this code at www.ll-c.info



TANÚSÍTVÁNY

Certificate



Tanúsítvány Szám. Certificate No.

HN 69261476

Oldal Page

0001

Jegyzőkönyv Szám Test Report No.

28248342 001

Kiadás dátuma Date of Issue

2019.03.21

Tanúsítvány Tulajdonos Certificate Holder

GRUP İMAJ AYDINLATMA SAN. TİC. A.Ş.

Deniz Aktaş Cad. No:6 Kavaklı -
Beylikdüzü,
34520 Istanbul
Turkey

Gyártóhely Manufacturing Plant

ÇİĞİR AYDINLATMA SANAYİ VE TİCARET

ERDEM YARAR

Emekyemez Mh. Bankalar Cad. Tutsak Sk.
No:4 K4-5, 34100 Beyoglu,
Istanbul
Turkey

Vizsgálati Jel Test Mark



Tanúsítás alapjául szolgáló előírások Tested according to

EN 61347-2-1:2001+A1:2006+A2:2014

EN 61347-1:2015

EN 60927:2007+A1:2013

Tanúsított Termék
Certified Product

(Termék Azonosítása)
(Product Identification)

Built-in ignitor

Type reference: 1) IM03, 2) IM03T, 3) IM04, 4) IM04T

Márkajel
Trademark
İMAJ

Ratings: AC 220-240V, 50-60Hz;
1)2) 35-70W, 3) 100-400W, 4) 35-400W
Pulse voltage: 1)2) 1.8-2.4kV,
3)4) 3-4.5kV
ta: -25°C to +85°C

A tanúsítvány a fenti termék típusra vonatkozik. A tanúsítvány a TÜV Rheinland InterCert Kft. Vizsgálati, Ellenőrzési és Tanúsítási Szabályzatán alapszik. A tanúsított termék megfelel a fenti vizsgálati előírásoknak, a sorozatgyártása ellenőrzött. A fenti ENEC jel használatának joga engedélyezett a tanúsított terméken. Ezt az Engedélyt egy, a CENELEC Jelhasználó Bizottság ENEC egyezményt aláíró testület adta ki.

This certificate refers to the above mentioned product type. The certificate is based on the Testing, Inspection and Certification Regulation of TÜV Rheinland InterCert Kft. The certified product fulfils the above listed requirements and its manufacturing is subject to surveillance. The right to use the above ENEC mark is permitted on the certified product. This Licence has been established by a body which is a signatory to the ENEC Agreement.

Tanúsító Szervezet
Certification Body

TÜV Rheinland InterCert Kft., MEEI Division – Product Certification
H-1132 Budapest, Váci út 48/A-B
www.tuv.com

TT 01-T06(e)_5_0



Fünte Potencsik

TANÚSÍTVÁNY

Certificate



Tanúsítvány Szám. Certificate No.

HN 69261660

Oldal Page

0001

Jegyzőkönyv Szám Test Report No.

28248572 001

Kiadás dátuma Date of Issue

2019.03.21

Tanúsítvány Tulajdonos Certificate Holder

GRUP İMAJ AYDINLATMA SAN. TİC. A.Ş.

Deniz Aktaş Cad. No:6 Kavaklı -

Beylikdüzü,

34520 Istanbul

Turkey

Gyártóhely Manufacturing Plant

GRUP İMAJ AYDINLATMA SAN. TİC. A.Ş.

Deniz Aktaş Cad. No:6 Kavaklı -

Beylikdüzü,

34520 Istanbul

Turkey

Vizsgálati Jel Test Mark



Tanúsítás alapjául szolgáló előírások Tested according to

EN 61347-2-9:2013

EN 61347-1:2008 + A1:2011 + A2:2013

EN 60923:2005+A1:2006

Tanúsított Termék

Certified Product

(Termék Azonosítása)

(Product Identification)

Ballast for high pressure mercury/sodium vapor lamps

Type reference:

SV50W, SW70W, SV100W, SV110W,

SV150W, SV210W, SV250W, SV400W

Márkajel

Trademark

İMAJ

Ratings:

Rated voltage, frequency: 220V, 50Hz;

Rated power: 50W, 70W, 100W, 110W, 150W,
210W, 250W, 400W

Rated current: 0.76A, 1.00A, 1.15A, 1.15A,
1.8A, 2.15A, 3.00A, 4.6A

A tanúsítvány a fenti termék típusra vonatkozik. A tanúsítvány a TÜV Rheinland InterCert Kft. Vizsgálati, Ellenőrzési és Tanúsítási Szabályzatán alapszik. A tanúsított termék megfelel a fenti vizsgálati előírásoknak, a sorozatgyártása ellenőrzött. A fenti ENEC jel használatának joga engedélyezett a tanúsított terméken. Ezt az Engedélyt egy, a CENELEC Jelhasználó Bizottság ENEC egyezményt aláíró testület adta ki.

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Tanúsító Szervezet
Certification Body

TÜV Rheinland InterCert Kft., MEEI Division – Product Certification

H-1132 Budapest, Váci út 48/A-B

www.tuv.com

TT 01-T06(e)_5_0



Tunde Potencsik

Our products are warranted for 2 (two) years period against the manufacturing, material, labor defects providing that there is no misuse and interference for repairment and/or other reasons by people who are not qualified in electrical issues.

1. Damages and failures due to user errors.
2. Damages and failures caused during loading, discharge and transportation after delivered to the consumer.
3. Damages and failures due to under voltage or high voltage, no grounding, faulty electrical installations made by unauthorized bodies/people and using the product at a different voltage than the voltage written on the label
4. Damages and failures due to fire and stroke of lightning.
5. Interfering in faulty piece or product, exposing to destructive synthetic materials, accident, negligence, usage by unqualified people and other usage faults, the damages on exterior surface are not

COVERED BY THE GUARANTEE

Manufacturing Company

Corporate Name: GRUP İMAJ AYDINLATMA SAN.VE TİC. A.Ş.

Adress: DENİZ AKTAŞ CAD.NO:6 KAVAKLI/BEYLİKDÜZÜ – İSTANBUL

TEL : +90(212) 689 93 10

FAX: +90(212) 689 93 11

E-mail: info@grupimaj.com

Website: www.grupimaj.com

Signature/ Stamp of Company Executive

About Product

Type :

Brand :

Model :

Banderol and Serial No:

Delivery date and place:

Guarantee Period: 2 (two) Years

About Vendor

Corporate Name:

Address :

Tel :

Fax :

Invoice date:

Date/Signature/Stamp:

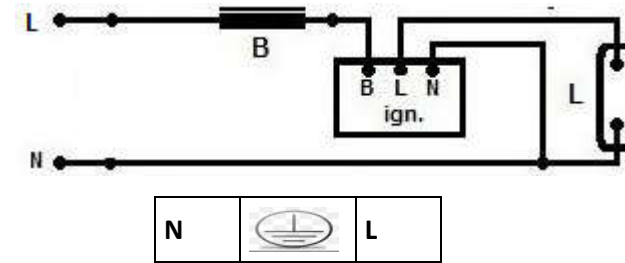
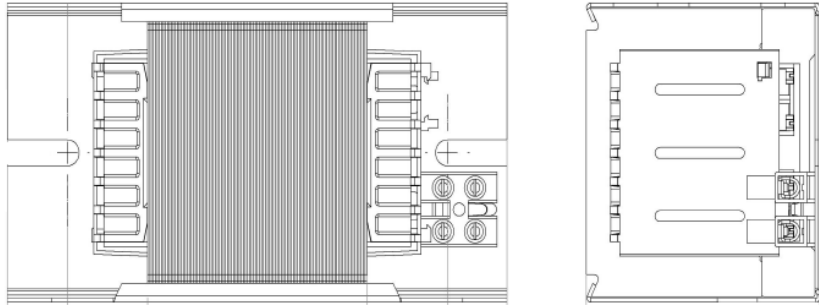


GRUP İMAJ

BALAST MANUAL

50W-100W-150W-250W-400W





Technical Features

Ballast cover resistant to high temperature

Click-fit electric terminals and montage cable option from 0.55 to 15 mm²

220-230 Volt Option

Montage and Technical Connection

- 1- The bottom plate in the ballast equipment section is disassembled and installed with a stainless cross-head screw and philips head screwdriver.
- 2- Ballast is installed to metal bottom in terms of the security of maintenance and repair.
- 3- Terminals on the ballast end are mounted to connectors in order to install the cables.
- 4- 1.5mm² single core cables are mounted to the tip of the electric terminals with a flathead screwdriver after electric terminals mounted to ballast terminals.
- 5- Igniter, socket, capacitor are mounted by means of cables, respectively after the montage of ballast.
- 6- For excellent operation of the terminals, the cable isolation layer must be opened by 8mm.



Montage Connection Diagram

IGNITOR

IM03-IM03T-IM04-IM04T

Sodium and Metal Halide Lamp Ignitor

Standards

EN 60927

EN 61347-2-1



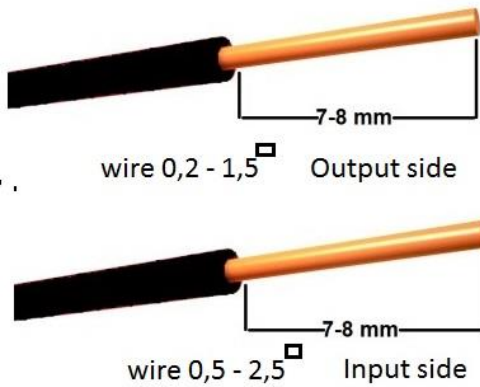
	IM03	IM03 T	IM04	IM04 T	IM04 T
MODEL	35-70 W	35-70 W	100-400 W	100-400 W	35-400 W
Fixture Standards	EN 61347-2-1 EN 60927	EN 61347-2-1 EN 60927	EN 61347-2-1 EN 60927	EN 61347-2-1 EN 60927	EN 61347-2-1 EN 60927
Type	No timing	Timing	No timing	Timing	Timing
Time setting	No timing	5,10,15.20 sec	No timing	5,10,15.20 sec	5,10,15.20 sec
Declaration and marking	ENEC/TSE / CE	ENEC/TSE / CE	ENEC/TSE / CE	ENEC/TSE / CE	ENEC/TSE / CE
Mains Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Ignition voltage	1,8-2,4 Kv	1,8-2,4 Kv	3-4,5Kv	3-4,5Kv	3-4,5Kv
Max. Permissible lamp current	3 A	3 A	5 A	5 A	5 A
Max. Lamp distance to ignition	1,5 m	1,5 m	1,5 m	1,5 m	1,5 m
Load capacity	20.....150 pF	20.....150 pF	20.....150 pF	20.....150 pF	20.....150 pF
Wire cross section	max 2,50 mm ²	max 2,50 mm ²	max 2,50 mm ²	max 2,50 mm ²	max 2,50 mm ²
Tc (° C) Max. housing temp.	105° C	105° C	105° C	105° C	105° C
Ta (°C)	-25°.....+85° C	-25°.....+85° C	-25°.....+85° C	-25°.....+85° C	-25°.....+85° C
Mains Voltage	198...242V	198...242V	198...242V	198...242V	198...242V
Weight	133 gr	133 gr	133 gr	133 gr	133 gr
Lamps	HS 35-70 W	HS 35-70 W	HS 100-400 W HI 35-400 W	HS 100-400 W HI 35-400 W	HS 100-400 W HI 35-400 W

INSTRUMENT INSTALLATION INSTRUCTIONS

Cabling Type and Section

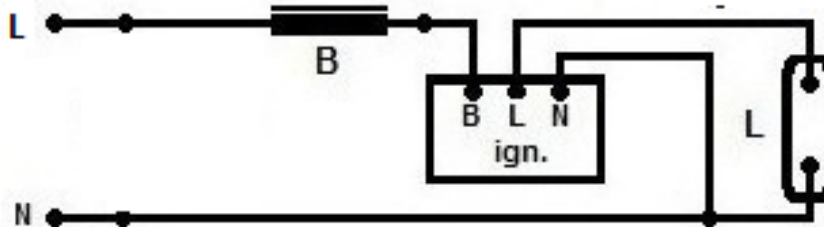
Input and output information can be seen in the figure below. As it is shown in the output side wire 0,2- 1,5mm² and in the input side 0,5-2.5mm². The insulation of the cables must be opened by 8 mm to ensure that the terminals work perfectly.

The lamp should be selected according to the ignition cable voltage. It is recommended to use the same wire types and same wire diameters. Make sure that the cables are connected securely.



Attention!

Always switch off the mains voltage before replacing the lamp. Voltage start is 1,8 kV in 35-70W and 35-400W Igniter and 3 kV in 100-400W Igniter. Not suitable for use with internal ignition lamps. Igniters can be used in Class I and Class II luminaires. The maximum torque is 4 Nm. Terminals that are not tightened as much as necessary can cause back. Incorrect connection may cause damage to the igniter.

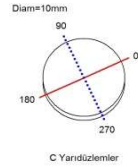
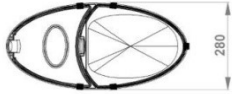
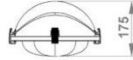
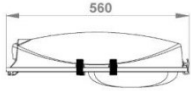


GRUP İMAJ AYDINLATMA SAN.VE TİC. A.Ş.

ADRES: DENİZ AKTAŞ CAD.NO:6 KAVAKLI/BEYLİKDÜZÜ – İSTANBUL TEL : +90(212) 689 93 10 FAX: +90(212) 689 93 11

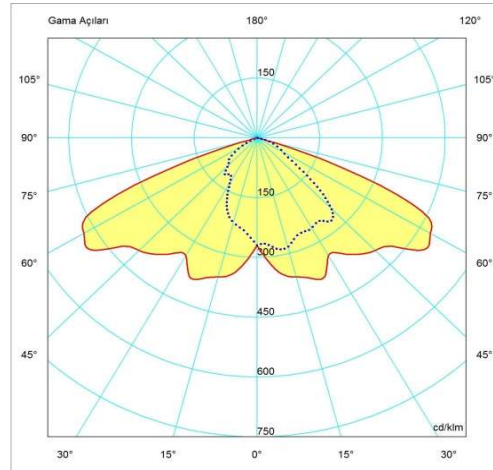
info@grupimaj.com www.grupimaj.com

HP SERIES ROAD LIGHTING FIXTURES DATASHEET



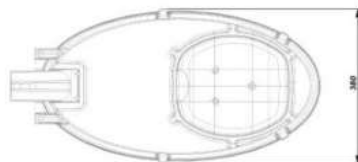
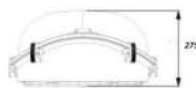
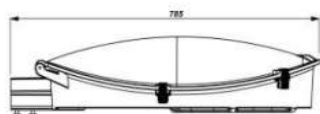
C Yarıdüzlemler
270.0
180.0 0.0
..... 90.0

Ak: 24744.00 lm
Maksimum: 527.49 cd/klm
Pozisyon: C=15.00 G=65.00
Verim: 99.98%
Tarih: 26.10.2015
270-90 düzlemi üzerinde simetrik
HP 70 W



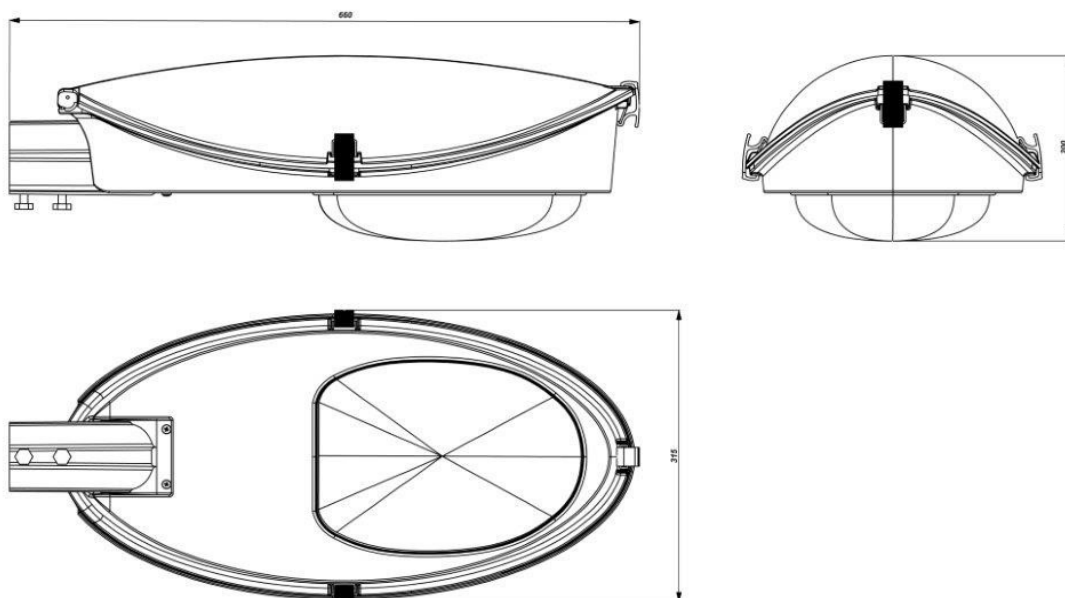
Fixture Standards	EN 60598-1 EN 60598-2-3
Fixture Type	HP 50 W
Declaration and marking	TSE / CE
Body	Polymer - CTP
Head	E - 27
Gasket	Refractory solid
Glass	Polycarbonate
Console	φ42
Clip	Anodized Aluminum
Reflector	Leaf

TP MAX SERIES ROAD LIGHTING FIXTURES DATASHEET



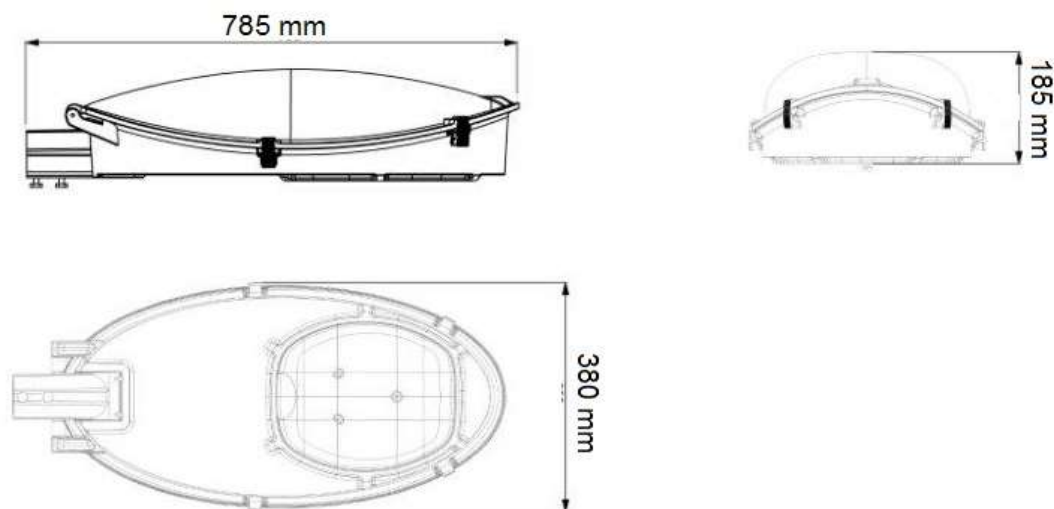
Fixture Standards	EN 60598-1 EN 60598-2-3
Body	Polymer - CTP
Ballast	EN 61347-2-9 EN 60923
Heard	E - 40
Gasket	Refractory solid
Glass	Curved polycarbonate
Console	φ42/ φ60 Aluminum
Clip	Anodized Aluminum
Reflector	Metallised Aluminum
Fixture Size	A) 785 mm B) 380 mm C) 275mm
Capacitor	45 μf
Internal temperature	55
Durability	IK08
Light efficiency	%77,5

TP SERIES ROAD LIGHTING FIXTURES DATASHEET



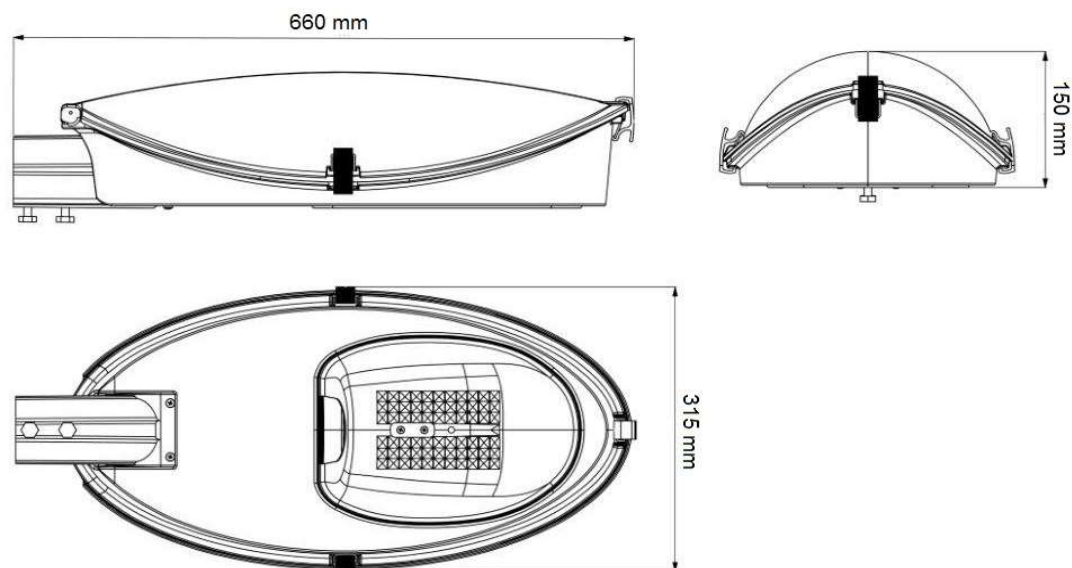
Fixture Standards	EN 60598-1 EN 60598-2-3
Declaration and marking	TSE / CE
Body	Polymer - CTP
Heard	E - 40
Gasket	Refractory solid
Glass	Curved polycarbonate
Console	φ42/ φ60 Aluminum
Clip	Anodized Aluminum
Reflector	Metallised Aluminum

TS MAX SERIES ROAD LIGHTING FIXTURES DATASHEET



Fixture Standards	EN 60598-1 EN 60598-2-3
Declaration and marking	TSE / CE
Body	Polymer - CTP
Heard	E - 40
Gasket	Refractory solid
Glass	Tempered flat
Console	φ42/ φ60 Aluminum
Clip	Anodized Aluminum
Reflector	Metallised Aluminum

TS SERIES ROAD LIGHTING FIXTURES DATASHEET



Fixture Standards	EN 60598-1 EN 60598-2-3
Declaration and marking	TSE / CE
Body	Polymer - CTP
Head	E - 40
Gasket	Refractory solid
Glass	Tempered flat
Console	φ 42/ φ 60 Aluminum
Clip	Anodized Aluminum
Reflector	Metallised Aluminum

CS SERIES ROAD LIGHTING FIXTURES DATASHEET

POWER	250 W (SODIUM)	250 W (MERCURY)	400 W (SODIUM)	400 W (METAL)	400 W (MERCURY)
Fixture Standards	EN 60598-1 EN 60598-2-3	EN 60598-1 EN 60598-2-3	EN 60598-1 EN 60598-2-3	EN 60598-1 EN 60598-2-3	EN 60598-1 EN 60598-2-3
Fixture Type	CS 250 W	CS 250 W	CS 400 W	CS 400 W	CS 400 W
Declaration and marking					
Body	Polymer - CTP	Polymer - CTP	Polymer - CTP	Polymer - CTP	Polymer - CTP
Ballast	EN 61347-2-9 EN 60923	EN 61347-2-9 EN 60923	EN 61347-2-9 EN 60923	EN 61347-2-9 EN 60923	EN 61347-2-9 EN 60923
Heard	E - 40	E - 40	E - 40	E - 40	E - 40
Gasket	Refractory solid	Refractory solid	Refractory solid	Refractory solid	Refractory solid
Glass	Tempered flat	Tempered flat	Tempered flat	Tempered flat	Tempered flat
Console	φ42/ φ60 Aluminum	φ42/ φ60 Aluminum	φ42/ φ60 Aluminum	φ42/ φ60 Aluminum	φ42/ φ60 Aluminum
Clip	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Reflector	Metallised Aluminum	Metallised Aluminum	Metallised Aluminum	Metallised Aluminum	Metallised Aluminum
Power Factor	0,95 - 1	0,95 - 1	0,95 - 1	0,95 - 1	0,95 - 1
Voltage	220 V / 230 V	220 V / 230 V	220 V / 230 V	220 V / 230 V	220 V / 230 V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Class	I	I	I	I	I
Current	3 A	2,15 A	4,60 A	3,50 A	3,15 A
Weight	11,00 Kg	11,00 Kg	13,20 Kg	13,00 Kg	12,00 Kg
Fixture Size	A) 715 mm B) 325 mm C) 175	A) 715 mm B) 325 mm C) 175	A) 715 mm B) 325 mm C) 175	A) 715 mm B) 325 mm C) 175	A) 715 mm B) 325 mm C) 175
Capacitor	32 µf	20 µf	45 µf	45 µf	24 µf
Internal temperature	65	60	77	70	65
Durability	IK08	IK08	IK08	IK08	IK08
Light efficiency	%78	%76	%75,3	%77	%75,2

