



**EX-PROOF  
LUMINAIRES**

2025

[www.pelsan.com.tr](http://www.pelsan.com.tr)



Since  
1982



More than  
3500 SKU



500  
Employees



5 million luminaire  
production capacity per year



## Factory

● Electronic Assembly Line

● Plastic Injection Moulding Area

● Semi-Finished Goods Process Area

● Moulding Area

● Diffuser Treatment Area

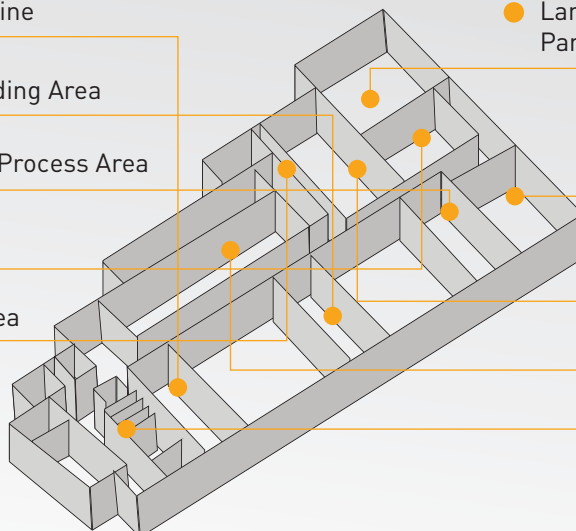
● Landscape Lighting Fixture  
Parts Manufacturing Area

● Glass Reinforced  
Polyester (GRP) Product  
Manufacturing Area

● Powder Coating &  
Painting Area

● Assembly Line

● Office





# 30000<sup>m<sup>2</sup></sup> **Manufacturing Zone**

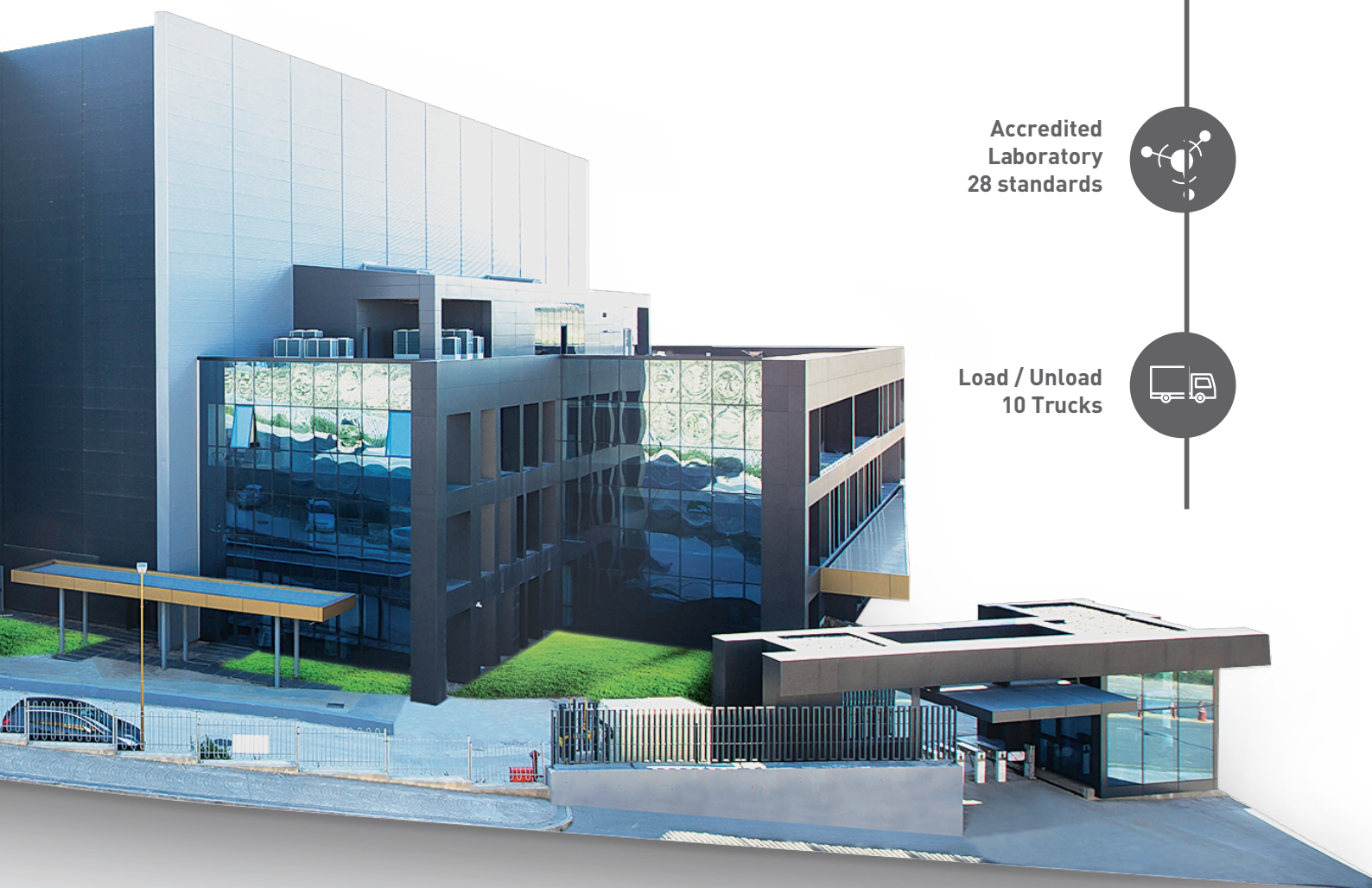
**R&D Center**  
**15 Engineers**

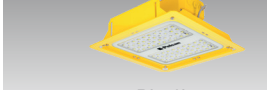


**Accredited  
Laboratory**  
**28 standards**



**Load / Unload**  
**10 Trucks**



| Type<br>Tip                                                                                                                | Power<br>Güç      | Lumen<br>Package<br>Lümen<br>Paketi | Efficacy<br>Etkinlik<br>Faktörü | IP<br>Rating<br>Sınıfı | Zone<br>Class<br>Sınıfı | Protection<br>Koruma                                        | Options<br>Opsiyonlar                          |
|----------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------|---------------------------------|------------------------|-------------------------|-------------------------------------------------------------|------------------------------------------------|
| <br>Largo LED<br>Waterproof / Etanj        | 14W -<br>100W     | 1820lm-<br>11200lm                  | Up to<br>130lm/W                | IP65                   | Zone2<br>Zone21         | II 3G Ex nR IIC T6 Gc<br>II 2D Ex tb IIIC (T80 °C) Db, IP65 | DALI,<br>Emergency Unit,<br>Microwave Sensor   |
| <br>Largo LED Tube<br>Waterproof / Etanj   | Single/<br>Double | -                                   | -                               | IP65                   | Zone2<br>Zone22         | II 3G Ex ec IIC T6 Gc<br>II 3D Ex tc IIIC (T80°C) Dc        | -                                              |
| <br>Largo T8<br>Waterproof / Etanj         | 2x18W/<br>2X36W   | -                                   | -                               | IP65                   | Zone2<br>Zone22         | II 3G Ex ec IIC T6 Gc<br>II 3D Ex tc IIIC (T80°C) Dc        | -                                              |
| <br>Ausled<br>Emergency / Acil Aydınlatma | 5W /<br>15W       | 500lm-<br>1500lm                    | 110lm/W                         | IP65                   | Zone2<br>Zone22         | II 3G Ex ec IIC T6 Gc<br>II 3D Ex tc IIIC (T85°C) Dc        | Exit Stickers<br>Surface / Recessed<br>Mounted |
| <br>Elit Lirad<br>Floodlight / Projektör | 20W -<br>50W      | 2800lm-<br>7000lm                   | Up to<br>140lm/W                | IP65                   | Zone2<br>Zone22         | II 3G Ex ec IIC T5 Gc<br>II 3D Ex tc IIIC (T95°C) Dc        | 30°/60°/90°<br>Asymmetric Lens                 |
| <br>Nairo<br>Floodlight / Projektör      | 50W -<br>200W     | 8250lm-<br>28600lm                  | Up to<br>165lm/W                | IP66                   | Zone2<br>Zone22         | II 3G Ex ec IIC T5 Gc<br>II 3D Ex tc IIIC (T95°C) Dc        | 30°/60°/90°<br>Asymmetric Lens                 |
| <br>Nairo<br>Road & Street / Yol & Cadde | 50W -<br>200W     | 8250lm-<br>28600lm                  | Up to<br>165lm/W                | IP66                   | Zone2<br>Zone22         | II 3G Ex ec IIC T5 Gc<br>II 3D Ex tc IIIC (T95°C) Dc        | 30°/60°/90°<br>Asymmetric Lens                 |
| <br>Piroliz<br>Canopy / Kanopi           | 50W -<br>200W     | 8250lm-<br>28600lm                  | Up to<br>165lm/W                | IP66                   | Zone2<br>Zone22         | II 3G Ex ec IIC T5 Gc<br>II 3D Ex tc IIIC (T95°C) Dc        | 30°/60°/90°<br>Asymmetric Lens                 |
| <br>Sia<br>Highbay / Yüksek Tavan        | 50W -<br>200W     | 8250lm-<br>28600lm                  | Up to<br>165lm/W                | IP66                   | Zone2<br>Zone22         | II 3G Ex ec IIC T5 Gc<br>II 3D Ex tc IIIC (T95°C) Dc        | 30°/60°/90°<br>Asymmetric Lens                 |



| Type<br>Tip                                                                                                                | Power<br>Güç | Lumen<br>Package<br>Lümen<br>Paketi | Efficacy<br>Etkinlik<br>Faktörü | IP<br>Rating<br>Sınıfı | Zone<br>Class<br>Sınıfı | Protection<br>Koruma                                | Options<br>Opsiyonlar                                         |
|----------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------|---------------------------------|------------------------|-------------------------|-----------------------------------------------------|---------------------------------------------------------------|
| <br>Atarex<br>Highbay / Yüksek Tavan      | 50W-<br>240W | 6000lm-<br>29520lm                  | 120lm/W-<br>132lm/W             | IP66                   | Zone1<br>Zone21         | II 2G Ex db IIB T4 Gb<br>II 2D Ex tb IIIC T130°C Db | DALI,<br>Emergency Unit,<br>30° / 60° / 90°<br>Lens, RAL Code |
| <br>Atarex<br>Floodlight / Projektör      | 50W-<br>480W | 6000lm-<br>50400lm                  | 105lm/W -<br>132lm/W            | IP66                   | Zone1<br>Zone21         | II 2G Ex db IIB T4 Gb<br>II 2D Ex tb IIIC T130°C Db | DALI,<br>Emergency Unit,<br>30° / 60° / 90°<br>Lens, RAL Code |
| <br>Exta<br>Waterproof / Etanj            | 50W-<br>150W | 6800lm-<br>19800lm                  | 132lm/W-<br>137lm/W             | IP66                   | Zone1<br>Zone21         | II 2G Ex db IIB T6 Gb<br>II 2D Ex tb IIIC T85°C Db  | DALI,<br>Emergency Unit,<br>Radar Sensor                      |
| <br>Exta<br>Emergency / Acil Aydınlatma | 8W           | 480lm                               | 60lm/W                          | IP66                   | Zone1<br>Zone21         | II 2G Ex db IIB T6 Gb<br>II 2D Ex tb IIIC T85°C Db  | -                                                             |


**ENERGY  
PETROLEUM  
INSTITUTE**



(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: IEP 24 ATEX 1346X

(4) Product: ATAREX Type, Junction Box

(5) Firm Name: PELSAN AYDINLATMA SANAYİ TİCARET ANONİM ŞİRKETİ

(6) Firm Address: Bankalar Cad. Emekyemez Mah. Yankapı Prosa Sok. No:11 Karaköy  
İstanbul - TÜRKİYE

(7) Production Address: Çerkeşli Mah. İMES OSB Mah. 5. Cad. No:12 Döğvan / Kocaeli - TÜRKİYE

(8) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(9) The IEP Ulaştırması Enerji Petrol Gıda, Serifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report No: IEP-Rp-Es-19-2734 dated 12.02.2024.

(10) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

(11) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(12) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(13) The marking of the equipment or protective system shall include the following:


II 2G Ex db IIB T6 Gb  
II 2D Ex db IIIC T85°C Db, IP 66

Responsible Person :  
Nurettin Terzioğlu  
Head of Certification Body

Date of Issue: 16.02.2024

IEP Ulaştırması Enerji Petrol Gıda, Serifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.  
57461 Sok. No:9 K:2 Bornova -İZMİR / TÜRKİYE  
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ATEX - Ex-Proof Atarex  
Highbay Luminaires


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(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: IEP 24 ATEX 1345X

(4) Product: ATAREX Type Projector

(5) Firm Name: PELSAN AYDINLATMA SANAYİ TİCARET ANONİM ŞİRKETİ

(6) Firm Address: Bankalar Cad. Emekyemez Mah. Yankapı Prosa Sok. No:11 Karaköy  
İstanbul - TÜRKİYE

(7) Production Address: Çerkeşli Mah. İMES OSB Mah. 5. Cad. No:12 Döğvan / Kocaeli - TÜRKİYE

(8) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(9) The IEP Ulaştırması Enerji Petrol Gıda, Serifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report No: IEP-Rp-Es-19-2734 dated 12.02.2024.

(10) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-2:2015, EN 60079-31:2014

(11) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(12) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(13) The marking of the equipment or protective system shall include the following:


II 2G Ex db IIB T4 Gb  
II 2D Ex db IIIC T4 Gb, IP 66

Responsible Person:  
Nurettin Terzioğlu  
Head of Certification Body

Date of Issue: 16.02.2024

IEP Ulaştırması Enerji Petrol Gıda, Serifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.  
57461 Sok. No:9 K:2 Bornova -İZMİR / TÜRKİYE  
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ATEX - Ex-Proof Atarex  
Floodlight Luminaires


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(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: IEP 24 ATEX 1344X

(4) Product: EXTA Series Exproof Luminaires

(5) Firm Name: PELSAN AYDINLATMA SANAYİ TİCARET ANONİM ŞİRKETİ

(6) Firm Address: Bankalar Cad. Emekyemez Mah. Yankapı Prosa Sok. No:11 Karaköy  
İstanbul - TÜRKİYE

(7) Production Address: Çerkeşli Mah. İMES OSB Mah. 5. Cad. No:12 Döğvan / Kocaeli - TÜRKİYE

(8) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(9) The IEP Ulaştırması Enerji Petrol Gıda, Serifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Şti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report No: IEP-Rp-Es-19-2733 dated 12.02.2024.

(10) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

(11) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(12) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(13) The marking of the equipment or protective system shall include the following:


II 2G Ex db IIB T6 Gb  
II 2D Ex db IIIC T 85 ° C Db, IP 66

Responsible Person:  
Nurettin Terzioğlu  
Head of Certification Body

Date of Issue: 16.02.2024

IEP Ulaştırması Enerji Petrol Gıda, Serifikasyon ve Teknik Hiz. Org. Tic. Ltd. Şti.  
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Tel: +90 322 431 17 45 - 4049 - +90 322 431 17 30 E-mail: iep@iep.com.tr P:45  
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ATEX - Ex-Proof  
Exta Series Luminaires



# ATEX Documents Belgeleri

**IEP ENERGY PETROLEUM INSTITUTE** **IEP ATEX**

(1) **EU-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU - Type Examination Certificate Number: IEP 25 ATEX 1655X

(4) Product: LARGO G2

(5) Firm Name: PELSAN AYDINLATMA SANAYİ VE TİCARET ANONİM ŞİRKETİ

(6) Firm Address: Bankalar Cad. Emekyemez Mah. Yankkapi Prosk Sok. No:11 Karaköy - İSTANBUL - TÜRKİYE

(7) Production Address: Çerkeşli Mah. İMES OSD Mah. 5. Cad. No:12 Dilyavı / Kocaeli - TÜRKİYE

(8) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(9) The IEP Uluslararası Enerji Petrol Güvenim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-5314 date:07.07.2025.

(10) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-15:2019, EN 60079-31:2014

(11) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(12) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(13) The marking of the equipment or protective system shall include the following:

**Ex** II 3G Ex nr IIC T6 Gc  
II 2D Ex tb IIIC T80 °C Db, IP 65

Responsible Person:  
Nurettin Terzioğlu  
Head of Certification Body

Date of Issue: 09.07.2025

IEP Uluslararası Enerji Petrol Gt., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.  
57461 Sok. No:9 K:2 Bornova - İZMİR / TÜRKİYE  
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ATEX - Ex-Proof Largo G2  
Waterproof Luminaires

**IEP ENERGY PETROLEUM INSTITUTE** **IEP ATEX**

(1) **Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) Type Examination Certificate Number: IEP 21 ATEX 01008

(4) Equipment: Elit Lirad Type , LED Projector

(5) Firm Name: PELSAN AYDINLATMA SANAYİ VE TİCARET A.Ş.

(6) Firm Address: İmes Sanayi Sitesi A Blok 101 Sok. No:38 Y.Dudullu - İSTANBUL / TURKEY

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Güvenim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment, which is intended for use in potentially explosive atmospheres, given in Annex II to the Council Directive 2014/34/EU. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-2056 date 06.10.2021.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment or protective system shall include the following:

**Ex** II 3G Ex ee IIC T5 Gc  
II 3D Ex te IIIC T 95 °C Dc

Responsible Person:  
Nurettin Terzioğlu  
Head of Certification Body

Date of Issue : 08.10.2021

IEP Uluslararası Enerji Petrol Gt., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.  
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ATEX - Ex-Proof  
Elit Lirad Luminaires

**IEP ENERGY PETROLEUM INSTITUTE** **IEP ATEX**

(1) **Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) Type Examination Certificate Number: IEP 21 ATEX 01007

(4) Equipment: Ausled / Rausled Emergency Type , Exproof Luminaires

(5) Firm Name: PELSAN AYDINLATMA SANAYİ VE TİCARET A.Ş.

(6) Firm Address: İmes Sanayi Sitesi A Blok 101 Sok. No:38 Y.Dudullu - İSTANBUL / TURKEY

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Güvenim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment, which is intended for use in potentially explosive atmospheres, given in Annex II to the Council Directive 2014/34/EU. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-2055 date 06.10.2021.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment or protective system shall include the following:

**Ex** II 3G Ex ee IIC T6 Gc  
II 3D Ex te IIIC T 85 °C Dc

Responsible Person:  
Nurettin Terzioğlu  
Head of Certification Body

Date of Issue : 08.10.2021

IEP Uluslararası Enerji Petrol Gt., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.  
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ATEX - Ex-Proof  
Ausled-Rausled Luminaires

**IEP ENERGY PETROLEUM INSTITUTE** **IEP ATEX**

**Supplement Nr: 01**

(1) **Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) Type Examination Certificate Number: IEP 16 ATEX 0468

(4) Product: Led lighting fixtures, Pelsan xy series

(5) Firm Name: PELSAN AYDINLATMA SANAYİ VE TİCARET A.Ş.

(6) Firm Address: İmes Sanayi Sitesi A Blok 101 Sokak No:38 Dudullu Ümraniye - İSTANBUL TURKEY

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Güvenim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment, which is intended for use in potentially explosive atmospheres, given in Annex II to the Council Directive 2014/34/EU. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-1037-1 date 06.10.2021.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.

(12) The marking of the equipment or protective system shall include the following:

**Ex** II 3G Ex ee IIC T5 Gc  
II 3D Ex te IIIC (T 95 °C) Dc

Responsible Person :  
Nurettin Terzioğlu  
Head of Certification Body

Supplement 1 Date of Issue : 08.10.2021

IEP Uluslararası Enerji Petrol Gt., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.  
57461 Sok. No:9 K:2 Bornova - İZMİR / TÜRKİYE  
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ATEX - Ex-Proof  
Sia-Nairo-Piroliz Luminaires



## Pelsan Ex-Proof Luminaires can be used safely in

Chemical, paint and coating facilities,  
petroleum storage facilities, oil filling and  
discharging facilities, ports and shipyards,  
power plant & industrial plants,  
fueling stations



## Pelsan Ex-Proof Armatürleri

Kimya ve boya tesisleri, petrol depolama tesisleri,  
petrol dolum boşaltım tesisleri, liman & tersaneler,  
enerji santralleri, endüstriyel tesisler ve  
akaryakıt İstasyonlarında

**güvenle  
kullanabilirsiniz!**



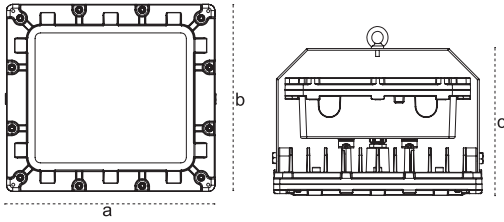






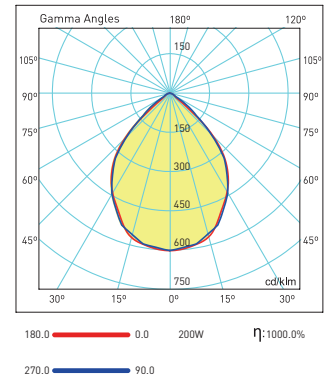
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



## Cone Diagram

Konik Diagram

| Height | Eavg: Emax      | Angle: 83,41° | Diameter  |
|--------|-----------------|---------------|-----------|
| 1m     | 8012lx-15942lx  |               | 178,24cm  |
| 2m     | 2003lx-3986lx   |               | 356,48cm  |
| 3m     | 890,3lx-1771lx  |               | 534,71cm  |
| 4m     | 500,8lx-996,4lx |               | 712,95cm  |
| 5m     | 320,5lx-637,7lx |               | 891,19cm  |
| 6m     | 222,6lx-442,8lx |               | 1069,43cm |
| 7m     | 163,5lx-325,4lx |               | 1247,67cm |
| 8m     | 125,2lx-249,1lx |               | 1425,90cm |
| 9m     | 98,92lx-196,8lx |               | 1604,14cm |
| 10m    | 80,12lx-159,4lx |               | 1782,38cm |

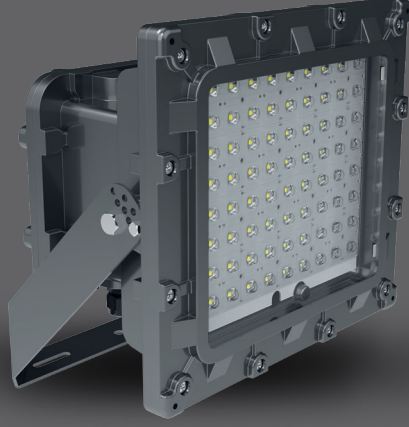
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## Ex-Proof Floodlights

## Ex-Proof Projektörler

### Atarex



Wide power option: 50W-480W

Gas explosion proof: ZONE 1

Dust explosion proof: ZONE21

II 2G Ex eb IIB T4...T6 Gb

II 2D Ex tb IIIC T85...130°C Db ATEX directive

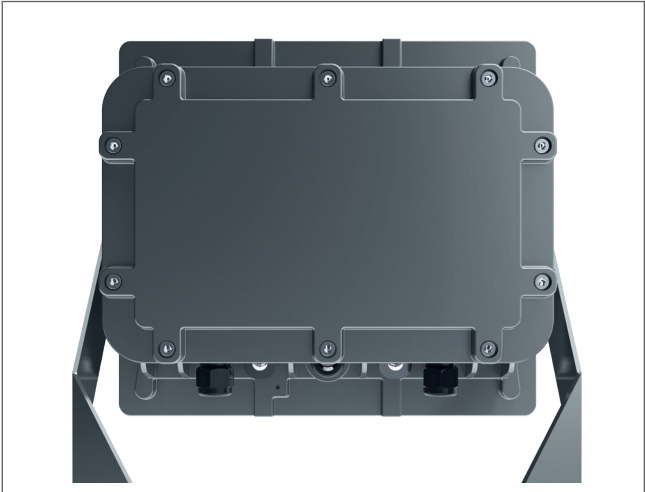
Geniş güç opsiyonu: 50W-480W

Gaz patlama koruması: ZONE 1

Toz patlama koruması: ZONE21

II 2G Ex eb IIB T4...T6 Gb

II 2D Ex tb IIIC T85...130°C Db ATEX direktifine uygundur.



#### Mechanical Specifications

#### Mekanik Özellikler

|                 |                 |                      |               |
|-----------------|-----------------|----------------------|---------------|
| Body            | Gövde           | Aluminium            | Alüminyum     |
| IP Rating       | IP Sınıfı       | IP66                 |               |
| IK Rating       | IK Gövde Sınıfı | IK10                 |               |
| Fire Protection | Alev Koruması   | 650°C                |               |
| Cable Gland     | Kablo Rakor     | M20                  |               |
| Cable           | Kablo           | 3x1,5mm <sup>2</sup> |               |
| RAL Code        | Ral Kodu        | 7043                 |               |
| Mounting Type   | Montaj Tipi     | Pole / Ground        | Direk / Zemin |

#### Optical Specifications

#### Optik Özellikler

|                            |                          |                       |                            |
|----------------------------|--------------------------|-----------------------|----------------------------|
| Light Source               | Işık Kaynağı             | Power LED             |                            |
| Reflector                  | Reflektör                | -                     |                            |
| Lens                       | Lens                     | PMMA                  |                            |
| Diffuser                   | Difüzör                  | Clear Tempered Glass  | Şeffaf Temperlü Cam (10mm) |
| CRI                        |                          | >70                   |                            |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |                            |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |                            |
| Beam Angle                 | Işık Açısı               | 30° / 60° / 90°       |                            |

#### Electrical Specifications

#### Elektriksel Özellikler

|                       |                   |                                                                            |  |
|-----------------------|-------------------|----------------------------------------------------------------------------|--|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |  |
| Frequency             | Frekans           | 50-60Hz                                                                    |  |
| Class                 | Sınıf             | I                                                                          |  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |  |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |  |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +55°C                                                              |  |
| Standards             | Standartlar       | EN60598-2-5, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |  |

#### Options

#### Opsiyonlar

|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | ✓ |  |
| 1-10V                 |                   | ✓ |  |
| Step DIM              |                   | - |  |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | ✓ |  |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | ✓ |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| Microwave Sensor      | Radar Sensör      | - |  |
| RAL Code              | RAL Kodu          | ✓ |  |
| Marine Painting       | Marin Boya        | - |  |

| Code No<br>Ürün Kodu | Power<br>Güç<br>(W) | Luminous Flux<br>Işık Akısı<br>(lm) | Colour Temp.<br>Renk Sıcaklığı<br>(K) | Efficacy<br>Etkinlik Faktörü<br>(lm/W) | Dimensions<br>Boyutlar<br>(mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi<br>(m <sup>3</sup> ) | Package Weight<br>Koli Ağırlığı<br>(kg) |
|----------------------|---------------------|-------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|--------------------------|-------------------------------------------------|-----------------------------------------|
| 115486               | 50                  | 6000                                | 6500                                  | 120                                    | 342x350x264                          | 1                        | 0,04                                            | 15,5                                    |
| 115865               | 100                 | 13200                               | 6500                                  | 132                                    | 342x350x264                          | 1                        | 0,04                                            | 15,5                                    |
| 115864               | 150                 | 19350                               | 6500                                  | 129                                    | 342x350x264                          | 1                        | 0,04                                            | 15,5                                    |
| 115863               | 200                 | 25000                               | 6500                                  | 125                                    | 342x350x264                          | 1                        | 0,04                                            | 15,5                                    |
| 115487               | 240                 | 29520                               | 6500                                  | 123                                    | 342x350x264                          | 1                        | 0,04                                            | 15,5                                    |
| 115780               | 480                 | 50400                               | 6500                                  | 105                                    | 438x754x488                          | 1                        | 0,11                                            | 24,9                                    |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team.

Technical values have tolerance +/-%7 by the operating conditions.

Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz.

Teknik sonuçlar çalışma koşullarına bağlı olarak +/-%7 toleransa sahiptir.

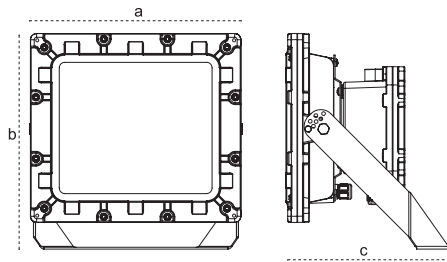
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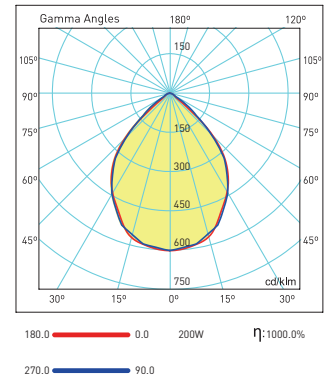
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



## Cone Diagram

Konik Diagram

| Height | Eavg; Emax      | Angle: 83,41° | Diameter  |
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| 6m     | 222,6lx-442,8lx |               | 1069,43cm |
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| 9m     | 98,92lx-196,8lx |               | 1604,14cm |
| 10m    | 80,12lx-159,4lx |               | 1782,38cm |

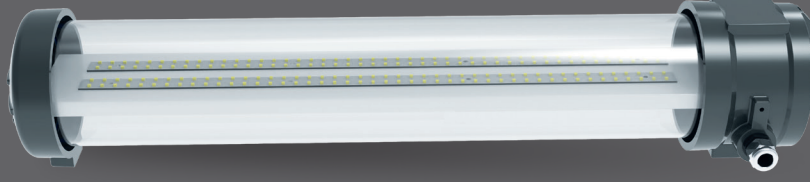
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# Ex-Proof Waterproof Luminaires

## Ex-Proof Etanj Armatürleri

### Exta



Wide power range: 14W-150W  
Up to 145lm/W efficiency  
Gas explosion proof: ZONE1  
Dust explosion proof: ZONE21  
II 2G Ex db IIB T6 Gb  
II 2D Ex tb IIIC T85°C Db ATEX directive

Geniş güç aralığı: 14W-150W  
145lm/W'a varan etkinlik faktörü  
Gaz patlama koruması: ZONE1  
Toz patlama koruması: ZONE21  
II 2G Ex db IIB T6 Gb  
II 2D Ex tb IIIC T85°C Db ATEX direktifine uygundur.



#### Mechanical Specifications

##### Mekanik Özellikler

|                 |               |                           |           |
|-----------------|---------------|---------------------------|-----------|
| Body            | Gövde         | Aluminium                 | Alüminyum |
| IP Rating       | IP Sınıfı     | IP66                      |           |
| IK Rating       | IK Sınıfı     | IK10                      |           |
| Fire Protection | Alev Koruması | 650°C                     |           |
| Cable Gland     | Kablo Rakor   | M20                       |           |
| Cable           | Kablo         | 3x1,5mm²                  |           |
| RAL Code        | Ral Kodu      | 7043                      |           |
| Mounting Type   | Montaj Tipi   | Surface Mounted / Pendant |           |
|                 |               | Sıva Üstü / Sarkıt        |           |

#### Optical Specifications

##### Optik Özellikler

|                            |                          |                       |  |
|----------------------------|--------------------------|-----------------------|--|
| Light Source               | Işık Kaynağı             | Mid Power LED         |  |
| Reflector                  | Reflektör                | -                     |  |
| Lens                       | Lens                     | -                     |  |
| Diffuser                   | Difüzör                  | PC                    |  |
| CRI                        |                          | >70                   |  |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |  |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |  |
| Beam Angle                 | Işık Açısı               | 120°                  |  |

#### Electrical Specifications

##### Elektriksel Özellikler

|                       |                   |                                                                            |  |
|-----------------------|-------------------|----------------------------------------------------------------------------|--|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |  |
| Frequency             | Frekans           | 50-60Hz                                                                    |  |
| Class                 | Sınıf             | I                                                                          |  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |  |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |  |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +55°C                                                              |  |
| Standards             | Standartlar       | EN60598-2-1, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |  |

#### Options

##### Opsiyonlar

|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | ✓ |  |
| 1-10V                 |                   | ✓ |  |
| Step DIM              |                   | ✓ |  |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | ✓ |  |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | ✓ |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| Microwave Sensor      | Radar Sensör      | ✓ |  |

| Code No<br>Ürün Kodu | Power<br>Güç (W) | Luminous Flux<br>Işık Akısı (lm) | Colour Temp.<br>Renk Sıcaklığı (K) | Efficacy<br>Etkinlik Faktörü (lm/W) | Dimensions<br>Boyutlar (mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi (m³) | Package Weight<br>Koli Ağırlığı (kg) |
|----------------------|------------------|----------------------------------|------------------------------------|-------------------------------------|-----------------------------------|--------------------------|---------------------------------|--------------------------------------|
| 115871               | 14               | 2030                             | 6500                               | 145                                 | 471x152x70                        | 1                        | 0,01                            | 3,8                                  |
| 115872               | 26               | 3692                             | 6500                               | 142                                 | 760x152x70                        | 1                        | 0,02                            | 6,5                                  |
| 115490               | 35               | 4900                             | 6500                               | 140                                 | 1320x152x70                       | 1                        | 0,04                            | 10,5                                 |
| 115873               | 50               | 6800                             | 6500                               | 136                                 | 1320x152x70                       | 1                        | 0,04                            | 10,5                                 |
| 115874               | 75               | 9900                             | 6500                               | 132                                 | 1320x152x70                       | 1                        | 0,04                            | 10,5                                 |
| 115875               | 100              | 13700                            | 6500                               | 137                                 | 1620x152x70                       | 1                        | 0,05                            | 13                                   |
| 115489               | 150              | 19800                            | 6500                               | 132                                 | 1620x152x70                       | 1                        | 0,05                            | 13                                   |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team. Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz. Technical values have tolerance +-7% by the operating conditions. Teknik sonuçlar çalışma koşullarına bağlı olarak +-7% toleransa sahiptir.

**All your lighting needs in one address.**  
Tüm aydınlatma ihtiyaçlarınız için tek adres.

# Ex-Proof Emergency Luminaires

## Ex-Proof Acil Aydınlatma Armatürleri

### Exta



ZONE 1  
ZONE21



#### Mechanical Specifications

##### Mekanik Özellikler

|                 |               |                          |                   |
|-----------------|---------------|--------------------------|-------------------|
| Body            | Gövde         | Aluminium                | Alüminyum         |
| IP Rating       | IP Sınıfı     | IP66                     |                   |
| IK Rating       | IK Sınıfı     | IK10                     |                   |
| Fire Protection | Alev Koruması | 650°C                    |                   |
| Cable Gland     | Kablo Rakor   | M20                      |                   |
| Cable           | Kablo         | 3x1,5mm <sup>2</sup>     |                   |
| RAL Code        | Ral Kodu      | 7043                     |                   |
| Mounting Type   | Montaj Tipi   | Surface Mounted, Pendant | Sıva Üstü, Sarkıt |

#### Optical Specifications

##### Optik Özellikler

|                            |                          |                       |  |
|----------------------------|--------------------------|-----------------------|--|
| Light Source               | Işık Kaynağı             | Mid Power LED         |  |
| Reflector                  | Reflektör                | -                     |  |
| Lens                       | Lens                     | -                     |  |
| Diffuser                   | Difüzör                  | PC                    |  |
| CRI                        |                          | >80                   |  |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |  |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |  |
| Beam Angle                 | Işık Açısı               | 120°                  |  |

#### Electrical Specifications

##### Elektriksel Özellikler

|                       |                   |                                                                            |                   |
|-----------------------|-------------------|----------------------------------------------------------------------------|-------------------|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |                   |
| Frequency             | Frekans           | 50-60Hz                                                                    |                   |
| Class                 | Sınıf             | I                                                                          |                   |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |                   |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |                   |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +45°C                                                              |                   |
| Function Mode         | Çalışma Şekli     | Maintained/Non-Maintained                                                  | Sürekli/Kesintide |
| Charging Indicator    | Şarj Göstergesi   | -                                                                          |                   |
| Discharging Indicator | Deşarj Göstergesi | -                                                                          |                   |
| Switch                | Anahtar           | -                                                                          |                   |
| Standards             | Standartlar       | EN60598-2-1, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |                   |

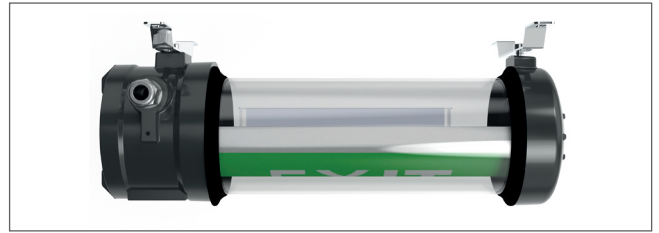
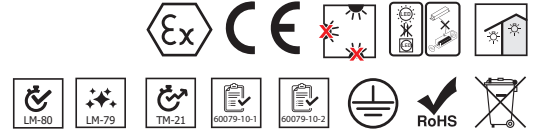
#### Options

##### Opsiyonlar

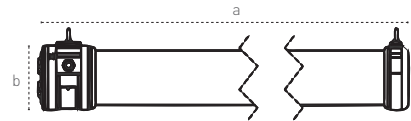
|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | - |  |
| 1-10V                 |                   | - |  |
| Step DIM              |                   | - |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| RAL Code              | RAL Kodu          | - |  |

Gas explosion proof: ZONE1  
Dust explosion proof: ZONE21  
II 2G Ex db IIB T6 Gb  
II 2D Ex tb IIIC T85°C Db ATEX directive

Gaz patlama koruması: ZONE,1  
Toz patlama koruması: ZONE21  
II 2G Ex db IIB T6 Gb  
II 2D Ex tb IIIC T85°C Db ATEX direktifine uygun



**Technical Drawing**  
Teknik Çizim



| Code No   | Power   | Battery      | Charging Time | Discharging Time | Luminous Flux   | Colour Temp.       | Efficacy                | Dimensions          | Pcs / Pack | Pack. Vol.                   | Pack. Weight       |
|-----------|---------|--------------|---------------|------------------|-----------------|--------------------|-------------------------|---------------------|------------|------------------------------|--------------------|
| Ürün Kodu | Güç (W) | Batarya      | Şarj Süresi   | Deşarj Süresi    | Işık Akısı (lm) | Renk Sıcaklığı (K) | Etkinlik Faktörü (lm/W) | Boyutlar (mm) axbxc | Koli Adedi | Koli Hacmi (m <sup>3</sup> ) | Koli Ağırlığı (kg) |
| 115488    | 8       | 3,7V 4500mAh | 24h.          | 3h.              | 480             | 6500               | 60                      | 471x182x168         | 1          | 0,01                         | 3,8                |

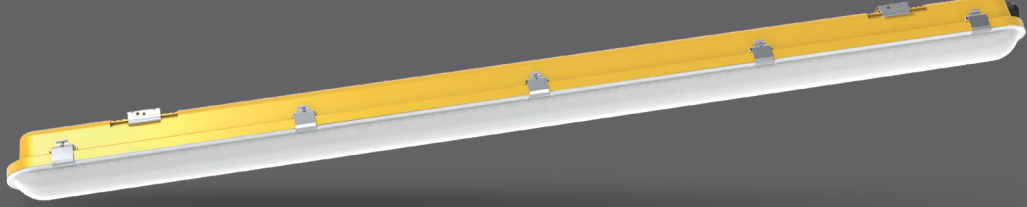
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Technical values have tolerance +/-%7 by the operating conditions.  
Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz.  
Teknik sonuçlar çalışma koşullarına bağlı olarak +/-%7 toleransa sahiptir.



## Ex-Proof Waterproof Ex-Proof Etanj Largo G2

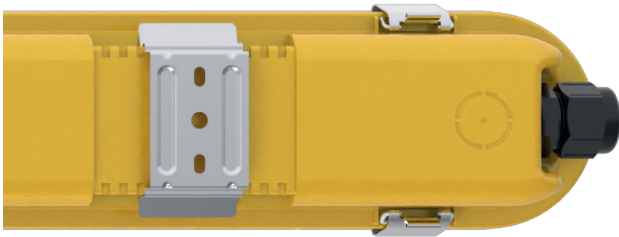


ZONE2  
ZONE21



5 years warranty  
Gas explosion proof: ZONE 2  
Dust explosion proof: ZONE21  
II 3G Ex nR IIC T6 Gc  
II 2D Ex tb IIIC (T80 °C) Db,IP65  
Easily replaceable LED module and driver,  
Ease of on-site maintenance  
Stainless steel latches and suspension kit  
Efficiency up to 133lm/W  
Opal/semi opal/ clear diffuser options  
3 different sizes: 610/1150/1500mm  
Wide power range 14-100W

5 yıl garanti  
Gaz patlama koruması: ZONE 2  
Toz patlama koruması: ZONE21  
II 3G Ex nR IIC T6 Gc  
II 2D Ex tb IIIC (T80 °C) Db,IP65  
Kolay değiştirilebilir LED modül / sürücü  
Sahada bakım kolaylığı  
Paslanmaz çelik mandalları ve askı takımı  
133lm/W'a varan verimlilik  
Opal/yarı opal/ şeffaf difüzör seçeneği  
3 farklı gövde seçeneği: 610/1150/1500mm  
Geniş güç seçeneği 14-100W



### Mechanical Specifications

#### Mekanik Özellikler

|                 |                 |                                 |
|-----------------|-----------------|---------------------------------|
| Body            | Gövde           | Polycarbonate Polikarbon        |
| IP Rating       | IP Sınıfı       | IP65                            |
| IK Rating       | IK Gövde Sınıfı | IK08                            |
| Fire Protection | Alev Koruması   | 650°C                           |
| Cable Gland     | Kablo Rakor     | PG11                            |
| Cable           | Kablo           | Halogen Free Halojen Free       |
| RAL Code        | Ral Kodu        | 1023 (600-1200mm) 9045 (1500mm) |
| Mounting Type   | Montaj Tipi     | Cable Tray/Surface Mounted      |
|                 |                 | Kablo Tavası/Sıva Üstü          |



### Optical Specifications

#### Optik Özellikler

|                            |                          |                       |
|----------------------------|--------------------------|-----------------------|
| Light Source               | Işık Kaynağı             | Mid Power LED         |
| Reflector                  | Reflektör                | Metal                 |
| Lens                       | Lens                     | -                     |
| Diffuser                   | Difüzör                  | PC                    |
| CRI                        |                          | >80                   |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |
| Beam Angle                 | Işık Açısı               | 160°                  |



### Electrical Specifications

#### Elektriksel Özellikler

|                       |                   |                                                           |
|-----------------------|-------------------|-----------------------------------------------------------|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                |
| Frequency             | Frekans           | 50-60Hz                                                   |
| Class                 | Sınıf             | I                                                         |
| LED Chip Lifetime     | LED Çip Ömrü      | L70 Tc@105°C >102.000                                     |
| Driver Lifetime       | Driver Ömrü       | L70 Tc@65°C >50.000                                       |
| Power Factor          | Güç Faktörü       | >0,95                                                     |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +50°C                                             |
| Standards             | Standartlar       | 60598-2-1, LM79, EN 13032, LM80, TM21, EN 62262, EN 60529 |



### Options

#### Opsiyonlar

|                       |                   |   |
|-----------------------|-------------------|---|
| DALI                  |                   | ✓ |
| 1-10V                 |                   | ✓ |
| Step DIM              |                   | - |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | ✓ |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | ✓ |
| Electrical Protection | Elektriksel Sınıf | - |
| Microwave Sensor      | Radar Sensör      | ✓ |



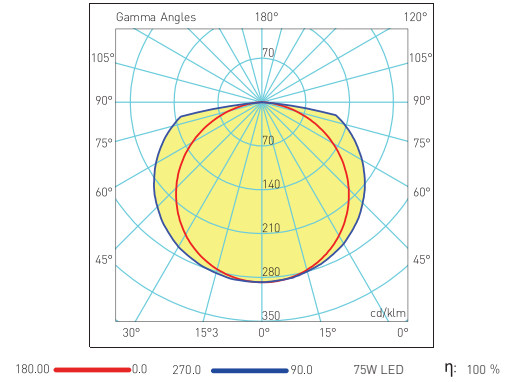
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



| Code No<br>Ürün Kodu | Power<br>Güç<br>(W) | Luminous Flux<br>Işık Akısı<br>(lm) | Colour Temp.<br>Renk Sıcaklığı<br>(K) | Efficacy<br>Etkinlik Faktörü<br>(lm/W) | Dimensions<br>Boyutlar<br>(mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi<br>(m³) | Package Weight<br>Koli Ağırlığı<br>(kg) |
|----------------------|---------------------|-------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|--------------------------|------------------------------------|-----------------------------------------|
| 117570               | 14                  | 1820                                | 6500                                  | 130                                    | 610x80x75                            | 9                        | 0,05                               | 11,7                                    |
| 117571               | 20                  | 2500                                | 6500                                  | 125                                    | 610x80x75                            | 9                        | 0,05                               | 11,7                                    |
| 117139               | 27                  | 3159                                | 6500                                  | 117                                    | 610x80x75                            | 9                        | 0,05                               | 11,7                                    |
| 117574               | 26                  | 3458                                | 6500                                  | 133                                    | 1150x80x75                           | 9                        | 0,09                               | 22                                      |
| 117573               | 34                  | 4420                                | 6500                                  | 130                                    | 1150x80x75                           | 9                        | 0,09                               | 22                                      |
| 117572               | 50                  | 6500                                | 6500                                  | 130                                    | 1150x80x75                           | 9                        | 0,09                               | 22                                      |
| 117141               | 75                  | 8550                                | 6500                                  | 114                                    | 1150x80x75                           | 9                        | 0,09                               | 22                                      |
| 117575               | 75                  | 8850                                | 6500                                  | 118                                    | 1500x80x75                           | 9                        | 0,012                              | 27,9                                    |
| 117142               | 100                 | 11200                               | 6500                                  | 112                                    | 1500x80x75                           | 9                        | 0,012                              | 27,9                                    |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team.

Technical values has tolerance  $\pm 7\%$  by the operating conditions.

Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz.

Teknik sonuçlar çalışma koşullarına bağlı olarak  $\pm 7\%$  toleransa sahiptir.

Visit our website for latest product informations and documents.

Güncel ürün bilgi ve belgeleri için web sitemizi ziyaret ediniz.



## Ex-Proof Waterproof Ex-Proof Etanj Largo LED Tube



ZONE2  
ZONE22



Gas explosion proof: ZONE 2  
Dust explosion proof: ZONE22  
II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC (T80 °C) Dc  
Complies with 2014/34/EU ATEX Directive

Gaz patlama koruması: ZONE 2  
Toz patlama koruması: ZONE22  
II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC (T80 °C) Dc  
2014/34/EU ATEX direktifine uygun



### Mechanical Specifications Mekanik Özellikler

|                 |                 |                           |
|-----------------|-----------------|---------------------------|
| Body            | Gövde           | GRP                       |
| IP Rating       | IP Sınıfı       | IP65                      |
| IK Rating       | IK Gövde Sınıfı | IK08                      |
| Fire Protection | Alev Koruması   | 650°C                     |
| Cable Gland     | Kablo Rakor     | PG11                      |
| Cable           | Kablo           | -                         |
| RAL Code        | Ral Kodu        | 1023                      |
| Mounting Type   | Montaj Tipi     | Surface Mounted Sıva Üstü |

### Optical Specifications Optik Özellikler

|                            |                          |      |
|----------------------------|--------------------------|------|
| Light Source               | Işık Kaynağı             | -    |
| Reflector                  | Reflektör                | -    |
| Lens                       | Lens                     | -    |
| Diffuser                   | Difüzör                  | PC   |
| CRI                        |                          | -    |
| Colour Temperature         | Renk Sıcaklığı           | -    |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | -    |
| Beam Angle                 | Işık Açısı               | 120° |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                |
|-----------------------|-------------------|--------------------------------|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                     |
| Frequency             | Frekans           | 50-60Hz                        |
| Class                 | Sınıf             | I                              |
| System Lifetime       | Sistem Ömrü       | >50.000h                       |
| Power Factor          | Güç Faktörü       | -                              |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / 50°C                   |
| Standards             | Standartlar       | EN60598-2-1, EN62262, EN60529, |

### Options Opsiyonlar

|                       |                   |   |
|-----------------------|-------------------|---|
| DALI                  |                   | - |
| 1-10V                 |                   | - |
| Step DIM              |                   | - |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |
| Electrical Protection | Elektriksel Sınıf | - |
| Microwave Sensor      | Radar Sensör      | - |
| RAL Code              | RAL Kodu          | ✓ |
| Marine Painting       | Marin Boya        | - |

| Code No<br>Ürün Kodu | Power<br>Güç (W) | Base<br>Duy | Dimensions<br>Boyutlar (mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi (m³) | Package Weight<br>Koli Ağırlığı (kg) |
|----------------------|------------------|-------------|-----------------------------------|--------------------------|---------------------------------|--------------------------------------|
| 111402               | 1x9              | 1xG13       | 670x85x125                        | 6                        | 0,0414                          | 11                                   |
| 111404               | 2x9              | 2xG13       | 670x85x125                        | 6                        | 0,053                           | 12,8                                 |
| 111405               | 1x18             | 1xG13       | 1280x85x125                       | 6                        | 0,0774                          | 17                                   |
| 111406               | 2x18             | 2xG13       | 1280x85x125                       | 6                        | 0,10062                         | 18,5                                 |

Technical values have tolerance  $\pm 7\%$  by the operating conditions.  
Teknik sonuçlar çalışma koşullarına bağlı olarak  $\pm 7\%$  toleransa sahiptir.

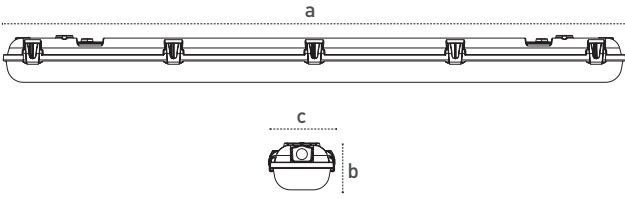
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Tüm aydınlatma ihtiyaçlarınız için tek adres.





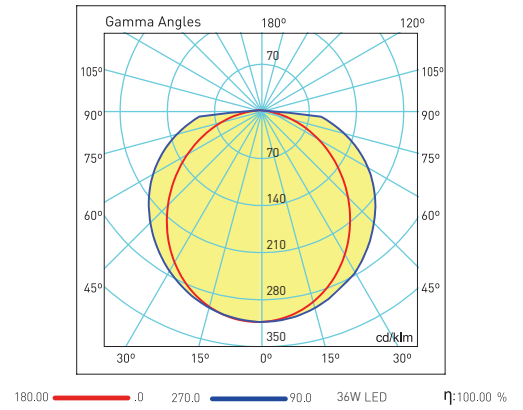
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



## Ex-Proof Waterproof Ex-Proof Etanj Largo T8



Gas explosion proof: ZONE 2  
Dust explosion proof: ZONE22  
II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC (T80 °C) Dc  
Complies with 2014/34/EU ATEX Directive

Gaz patlama koruması: ZONE 2  
Toz patlama koruması: ZONE22  
II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC (T80 °C) Dc  
2014/34/EU ATEX direktifine uygun



### Mechanical Specifications Mekanik Özellikler

|                 |                 |                           |
|-----------------|-----------------|---------------------------|
| Body            | Gövde           | GRP                       |
| IP Rating       | IP Sınıfı       | IP65                      |
| IK Rating       | IK Gövde Sınıfı | IK08                      |
| Fire Protection | Alev Koruması   | 650°C                     |
| Cable Gland     | Kablo Rakor     | PG11                      |
| Cable           | Kablo           | -                         |
| RAL Code        | Ral Kodu        | 1023                      |
| Mounting Type   | Montaj Tipi     | Surface Mounted Sıva Üstü |

### Optical Specifications Optik Özellikler

|                            |                          |      |
|----------------------------|--------------------------|------|
| Light Source               | Işık Kaynağı             | TLD  |
| Reflector                  | Reflektör                | -    |
| Lens                       | Lens                     | -    |
| Diffuser                   | Difüzör                  | PC   |
| CRI                        |                          | -    |
| Colour Temperature         | Renk Sıcaklığı           | -    |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | -    |
| Beam Angle                 | Işık Açısı               | 120° |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                                                            |
|-----------------------|-------------------|----------------------------------------------------------------------------|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |
| Frequency             | Frekans           | 50-60Hz                                                                    |
| Class                 | Sınıf             | I                                                                          |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / 50°C                                                               |
| Standards             | Standartlar       | EN60598-2-1, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |

### Options Opsiyonlar

|                       |                   |   |
|-----------------------|-------------------|---|
| DALI                  |                   | - |
| 1-10V                 |                   | - |
| Step DIM              |                   | - |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |
| Electrical Protection | Elektriksel Sınıf | - |
| Microwave Sensor      | Radar Sensör      | - |
| RAL Code              | RAL Kodu          | ✓ |
| Marine Painting       | Marin Boya        | - |

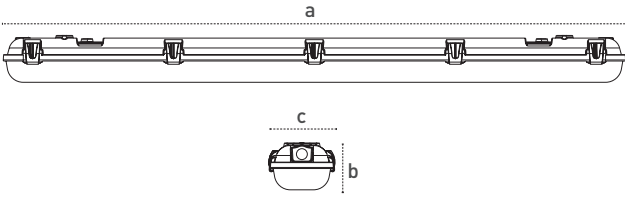
| Code No<br>Ürün Kodu | Power<br>Güç (W) | Base<br>Duy | Dimensions<br>Boyutlar (mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi (m³) | Package Weight<br>Koli Ağırlığı (kg) |
|----------------------|------------------|-------------|-----------------------------------|--------------------------|---------------------------------|--------------------------------------|
| 108297               | 2x18             | 2xG13       | 670x85x125                        | 6                        | 0,05304                         | 12,8                                 |
| 108298               | 2x36             | 2xG13       | 1280x85x125                       | 6                        | 0,10062                         | 18,5                                 |

Technical values have tolerance +-%7 by the operating conditions.  
Teknik sonuçlar çalışma koşullarına bağlı olarak +-%7 toleransa sahiptir.



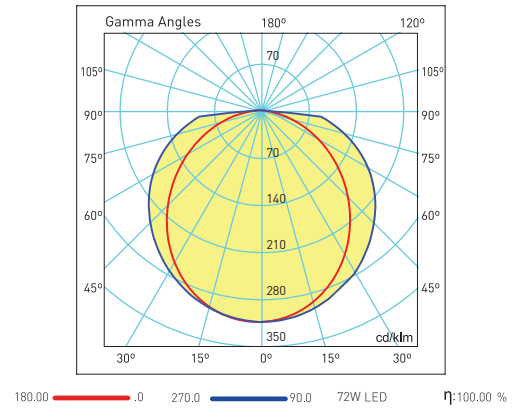
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi





## Ex-Proof Emergency Luminaires Ex-Proof Acil Aydınlatma Armatürleri Ausled & Rausled

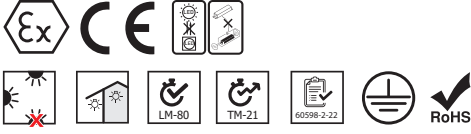


ZONE 2  
ZONE22



Gas Explosion Proof: ZONE 2  
Dust Explosion Proof: ZONE22  
II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC (T85°C) Dc

Gaz Patlama Koruması: ZONE2  
Toz Patlama Koruması: ZONE22  
II 3G Ex ec IIC T6 Gc  
II 3D Ex tc IIIC (T85°C) Dc



### Mechanical Specifications Mekanik Özellikler

|                 |                 |                                                   |
|-----------------|-----------------|---------------------------------------------------|
| Body            | Gövde           | PC                                                |
| IP Rating       | IP Sınıfı       | IP65                                              |
| IK Rating       | IK Gövde Sınıfı | IK08                                              |
| Fire Protection | Alev Koruması   | 650°C                                             |
| Cable Gland     | Kablo Rakor     | PG9/M16                                           |
| Cable           | Kablo           | -                                                 |
| RAL Code        | Ral Kodu        | 1023                                              |
| Mounting Type   | Montaj Tipi     | Surface-Recessed Mounted<br>Sıva Üstü - Sıva Altı |

### Optical Specifications Optik Özellikler

|                            |                          |                   |
|----------------------------|--------------------------|-------------------|
| Light Source               | Işık Kaynağı             | Power LED         |
| Reflector                  | Reflektör                | -                 |
| Lens                       | Lens                     | PMMA              |
| Diffuser                   | Difüzör                  | PC                |
| CRI                        |                          | >80               |
| Colour Temperature         | Renk Sıcaklığı           | 3000K-4000K-6500K |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG01              |
| Beam Angle                 | Işık Açısı               | 110°              |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                                                                    |
|-----------------------|-------------------|------------------------------------------------------------------------------------|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                         |
| Frequency             | Frekans           | 50-60Hz                                                                            |
| Class                 | Sınıf             | I                                                                                  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                           |
| Power Factor          | Güç Faktörü       | >0,95                                                                              |
| Operating Temperature | Çalışma Sıcaklığı | 0°C / +40°C                                                                        |
| Function Mode         | Çalışma Şekli     | Maintained / Non-Maintained<br>Sürekli / Kesintide                                 |
| Charging Indicator    | Şarj Göstergesi   | -                                                                                  |
| Discharging Indicator | Deşarj Göstergesi | -                                                                                  |
| Switch                | Anahtar           | -                                                                                  |
| Standards             | Standartlar       | 60598-2-22, LM79, EN 13032, LM80, TM21, EN 62262, EN 60529, 60079-10-1, 60079-10-2 |
| Options               | Opsiyonlar        |                                                                                    |
| DALI                  |                   | -                                                                                  |
| 1-10V                 |                   | -                                                                                  |
| Step DIM              |                   | -                                                                                  |
| Electrical Protection | Elektriksel Sınıf | -                                                                                  |
| RAL Code              | RAL Kodu          | ✓                                                                                  |

| Code No<br>Ürün Kodu | Type<br>Tip | Power<br>Güç (W) | Battery<br>Batarya | Charging Time<br>Şarj Süresi | Discharging Time<br>Deşarj Süresi | Lum. Flux<br>Işık Akısı (lm) | Colour Temp.<br>Renk Sıcaklığı (K) | Efficacy<br>Etkinlik Faktörü (lm/W) | Dimensions<br>Boyutlar (mm) a x b x c | Pcs / Pack<br>Koli Adedi | Pack. Vol.<br>Koli Hacmi (m³) | Pack. Weight<br>Koli Ağırlığı (kg) |
|----------------------|-------------|------------------|--------------------|------------------------------|-----------------------------------|------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------|-------------------------------|------------------------------------|
| 109710               | Ausled      | 15               | 3,2V>1500mAh       | 24h                          | 3h                                | 1500                         | 6500                               | 100                                 | 350x117x76                            | 6                        | 0,027                         | 5,5                                |
| 111683               | Rausled     | 15               | 3,2V>1500mAh       | 24h                          | 3h                                | 1500                         | 6500                               | 100                                 | 350x117x218                           | 6                        | 0,027                         | 5,5                                |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team. Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz. Technical values have tolerance +/-7% by the operating conditions. Teknik sonuçlar çalışma koşullarına bağlı olarak +/-7% toleransa sahiptir.

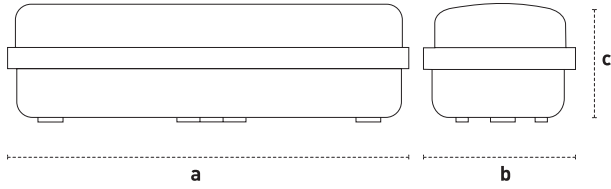


## Technical Drawing

Teknik Çizim

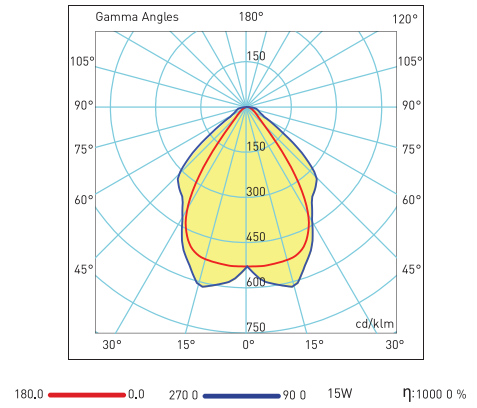
Ausled

109710 / 111644



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi

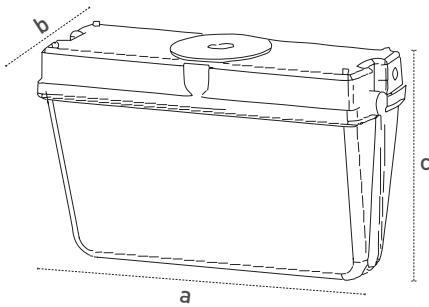


## Technical Drawing

Teknik Çizim

Rausled

111683



## Ex-Proof Floodlights Ex-Proof Projektörler Elit Lirad



Gas Explosion Proof: ZONE 2  
Dust Explosion Proof: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95°C) Dc

Gaz Patlama Koruması: ZONE2  
Toz Patlama Koruması: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95°C) Dc



### Mechanical Specifications Mekanik Özellikler

|                 |               |                           |
|-----------------|---------------|---------------------------|
| Body            | Gövde         | GRP                       |
| IP Rating       | IP Sınıfı     | IP65                      |
| IK Rating       | IK Sınıfı     | IK08                      |
| Fire Protection | Alev Koruması | 650°C                     |
| Cable Gland     | Kablo Rakor   | M20                       |
| Cable           | Kablo         | 3x1,5mm <sup>2</sup>      |
| RAL Code        | Ral Kodu      | 1023                      |
| Mounting Type   | Montaj Tipi   | Pole-Ground / Direk-Zemin |

### Optical Specifications Optik Özellikler

|                            |                          |                                                |
|----------------------------|--------------------------|------------------------------------------------|
| Light Source               | Işık Kaynağı             | Power LED                                      |
| Reflector                  | Reflektör                | Aluminium Alüminyum                            |
| Lens                       | Lens                     | PMMA                                           |
| Diffuser                   | Difüzör                  | Tempered Glass Temperli Cam                    |
| CRI                        |                          | >70                                            |
| Colour Temperature         | Renk Sıcaklığı           | 3000K-4000K-6500K                              |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG01                                           |
| Beam Angle                 | Işık Açısı               | Symmetric / Asymmetric<br>Simetrik / Asimetrik |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                                                                   |
|-----------------------|-------------------|-----------------------------------------------------------------------------------|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                        |
| Frequency             | Frekans           | 50-60Hz                                                                           |
| Class                 | Sınıf             | I                                                                                 |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                          |
| Power Factor          | Güç Faktörü       | >0,95                                                                             |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / 45°C                                                                      |
| Standards             | Standartlar       | 60598-2-5, LM79, EN 13032, LM80, TM21, EN 62262, EN 60529, 60079-10-1, 60079-10-2 |

### Options Opsiyonlar

|                       |                   |   |
|-----------------------|-------------------|---|
| DALI                  | -                 |   |
| 1-10V                 | -                 |   |
| Step DIM              | -                 |   |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |
| Electrical Protection | Elektriksel Sınıf | - |
| Microwave Sensor      | Radar Sensör      | - |
| RAL Code              | RAL Kodu          | ✓ |
| Marine Painting       | Marin Boya        | - |

| Code No<br>Ürün Kodu | Power<br>Güç (W) | Luminous Flux<br>Işık Akısı (lm) | Colour Temp.<br>Renk Sıcaklığı (K) | Efficacy<br>Etkinlik Faktörü (lm/W) | Dimensions<br>Boyutlar (mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi (m <sup>3</sup> ) | Package Weight<br>Koli Ağırlığı (kg) |
|----------------------|------------------|----------------------------------|------------------------------------|-------------------------------------|-----------------------------------|--------------------------|----------------------------------------------|--------------------------------------|
| 109707               | 50               | 7000                             | 6500                               | 140                                 | 200x295x175                       | 6                        | 0,08                                         | 18                                   |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team.  
Technical values have tolerance  $\pm 7\%$  by the operating conditions.  
Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz.  
Teknik sonuçlar çalışma koşullarına bağlı olarak  $\pm 7\%$  toleransa sahiptir.

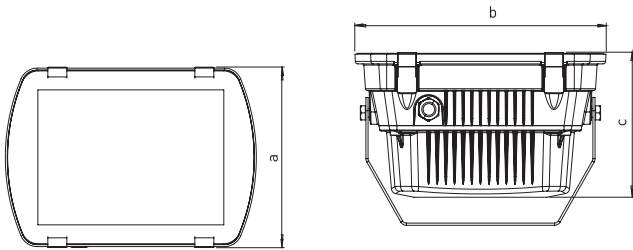
**All your lighting needs in one adress.**  
Tüm aydınlatma ihtiyaçlarınız için tek adres.





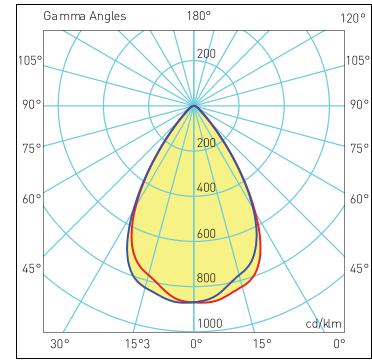
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



180.0 — 0.0 50W LED  $\eta$ : 1000.0 %  
270.0 — 90.0



## Ex-Proof Floodlights Ex-Proof Projektörler Nairo



Gas explosion proof: ZONE 2  
Dust explosion proof: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95 °C) Dc  
Complies with 2014/34/EU ATEX Directive

Gaz patlama koruması: ZONE 2  
Toz patlama koruması: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95 °C) Dc  
2014/34/EU ATEX direktifine uygun



### Mechanical Specifications Mekanik Özellikler

|                 |                 |                      |               |
|-----------------|-----------------|----------------------|---------------|
| Body            | Gövde           | Aluminium            | Alüminyum     |
| IP Rating       | IP Sınıfı       | IP66                 |               |
| IK Rating       | IK Gövde Sınıfı | IK08                 |               |
| Fire Protection | Alev Koruması   | 650°C                |               |
| Cable Gland     | Kablo Rakor     | PG11                 |               |
| Cable           | Kablo           | 3x1,5mm <sup>2</sup> |               |
| RAL Code        | Ral Kodu        | 1023                 |               |
| Mounting Type   | Montaj Tipi     | Pole / Ground        | Direk / Zemin |

### Optical Specifications Optik Özellikler

|                            |                          |                       |              |
|----------------------------|--------------------------|-----------------------|--------------|
| Light Source               | Işık Kaynağı             | Power LED             |              |
| Reflector                  | Reflektör                | -                     |              |
| Lens                       | Lens                     | PMMA                  |              |
| Diffuser                   | Difüzör                  | Tempered Glass        | Temperli Cam |
| CRI                        |                          | >70                   |              |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |              |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |              |
| Beam Angle                 | Işık Açısı               | 30° / 60° / 90°       |              |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                                                            |  |
|-----------------------|-------------------|----------------------------------------------------------------------------|--|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |  |
| Frequency             | Frekans           | 50-60Hz                                                                    |  |
| Class                 | Sınıf             | I                                                                          |  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |  |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |  |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +55°C                                                              |  |
| Standards             | Standartlar       | EN60598-2-5, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |  |

### Options Opsiyonlar

|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | - |  |
| 1-10V                 |                   | - |  |
| Step DIM              |                   | - |  |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |  |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| Microwave Sensor      | Radar Sensör      | - |  |
| RAL Code              | RAL Kodu          | ✓ |  |
| Marine Painting       | Marin Boya        | - |  |

| Code No<br>Ürün Kodu | Power<br>Güç<br>(W) | Luminous Flux<br>Işık Akısı<br>(lm) | Colour Temp.<br>Renk Sıcaklığı<br>(K) | Efficacy<br>Etkinlik Faktörü<br>(lm/W) | Dimensions<br>Boyutlar<br>(mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi<br>(m <sup>3</sup> ) | Package Weight<br>Koli Ağırlığı<br>(kg) |
|----------------------|---------------------|-------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|--------------------------|-------------------------------------------------|-----------------------------------------|
| 111372               | 50                  | 8650                                | 6500                                  | 173                                    | 342x342x121                          | 1                        | 0,0262                                          | 8                                       |
| 111371               | 75                  | 12225                               | 6500                                  | 163                                    | 342x342x121                          | 1                        | 0,0262                                          | 8                                       |
| 111370               | 100                 | 15700                               | 6500                                  | 157                                    | 342x342x121                          | 1                        | 0,0262                                          | 8                                       |
| 111369               | 125                 | 20000                               | 6500                                  | 160                                    | 342x342x121                          | 1                        | 0,0262                                          | 8                                       |
| 111368               | 150                 | 22050                               | 6500                                  | 147                                    | 342x342x121                          | 1                        | 0,0262                                          | 8                                       |
| 111055               | 200                 | 29600                               | 6500                                  | 148                                    | 342x342x121                          | 1                        | 0,0262                                          | 8                                       |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team. Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz. Technical values have tolerance +-7% by the operating conditions. Teknik sonuçlar çalışma koşullarına bağlı olarak +-7% toleransa sahiptir.

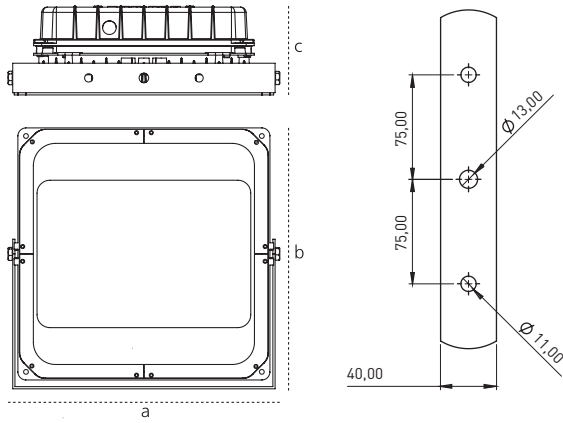
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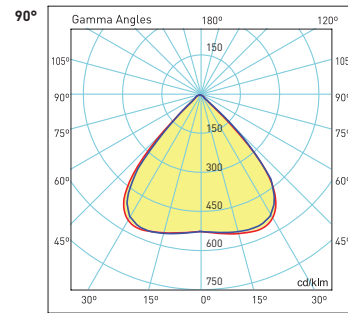
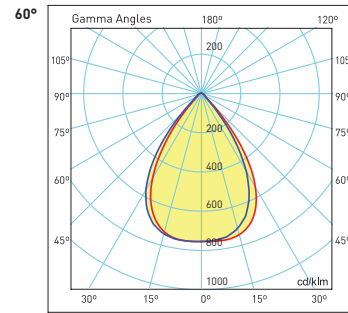
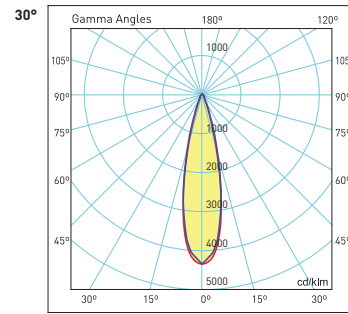
## Technical Drawing

Teknik Çizim



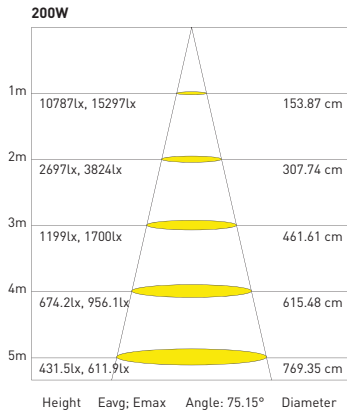
## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



## Cone Diagram

Konik Diagram





## Ex-Proof Road & Street Luminaires

## Ex-Proof Yol & Cadde Armatürler

## Nairo



Gas explosion proof: ZONE 2

Dust explosion proof: ZONE22

II 3G Ex ec IIC T5 Gc

II 3D Ex tc IIIC (T95 °C) Dc

Complies with 2014/34/EU ATEX Directive

Gaz patlama koruması: ZONE 2

Toz patlama koruması: ZONE22

II 3G Ex ec IIC T5 Gc

II 3D Ex tc IIIC (T95 °C) Dc

2014/34/EU ATEX direktifine uygun



### Mechanical Specifications

#### Mekanik Özellikler

|                 |               |                      |           |
|-----------------|---------------|----------------------|-----------|
| Body            | Gövde         | Aluminium            | Alüminyum |
| IP Rating       | IP Sınıfı     | IP66                 |           |
| IK Rating       | IK Sınıfı     | IK08                 |           |
| Fire Protection | Alev Koruması | 650°C                |           |
| Cable Gland     | Kablo Rakor   | PG11                 |           |
| Cable           | Kablo         | 3x1,5mm <sup>2</sup> |           |
| RAL Code        | Ral Kodu      | 1023                 |           |
| Mounting Type   | Montaj Tipi   | Pole                 | Direk     |



### Optical Specifications

#### Optik Özellikler

|                            |                          |                       |              |
|----------------------------|--------------------------|-----------------------|--------------|
| Light Source               | Işık Kaynağı             | Power LED             |              |
| Reflector                  | Reflektör                | -                     |              |
| Lens                       | Lens                     | PMMA                  |              |
| Diffuser                   | Difüzör                  | Tempered Glass        | Temperli Cam |
| CRI                        |                          | >70                   |              |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |              |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |              |
| Beam Angle                 | Işık Açısı               | Asymmetric            | Asimetrik    |



### Electrical Specifications

#### Elektriksel Özellikler

|                       |                   |                                                                            |  |
|-----------------------|-------------------|----------------------------------------------------------------------------|--|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |  |
| Frequency             | Frekans           | 50-60Hz                                                                    |  |
| Class                 | Sınıf             | I                                                                          |  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |  |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |  |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +55°C                                                              |  |
| Standards             | Standartlar       | EN60598-2-3, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |  |



### Options

#### Opsiyonlar

|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | - |  |
| 1-10V                 |                   | - |  |
| Step DIM              |                   | - |  |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |  |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| Microwave Sensor      | Radar Sensör      | - |  |
| RAL Code              | RAL Kodu          | ✓ |  |
| Marine Painting       | Marin Boya        | - |  |

| Code No<br>Ürün Kodu | Power<br>Güç (W) | Luminous Flux<br>Işık Akısı (lm) | Colour Temp.<br>Renk Sıcaklığı (K) | Efficacy<br>Etkinlik Faktörü (lm/W) | Dimensions<br>Boyutlar (mm) axbxc | Console Entry<br>Konsol Girişi (mm) | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi (m <sup>3</sup> ) | Package Weight<br>Koli Ağırlığı (kg) |
|----------------------|------------------|----------------------------------|------------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|--------------------------|----------------------------------------------|--------------------------------------|
| 111367               | 50               | 8100                             | 4000                               | 162                                 | 485x152x352                       | 42-60                               | 1                        | 0,034                                        | 8                                    |
| 111366               | 75               | 11775                            | 4000                               | 157                                 | 485x152x352                       | 42-60                               | 1                        | 0,034                                        | 8                                    |
| 111365               | 100              | 15200                            | 4000                               | 152                                 | 485x152x352                       | 42-60                               | 1                        | 0,034                                        | 8                                    |
| 111364               | 125              | 18625                            | 4000                               | 149                                 | 485x152x352                       | 42-60                               | 1                        | 0,034                                        | 8                                    |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team.

Technical values have tolerance +-7% by the operating conditions.

Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz.

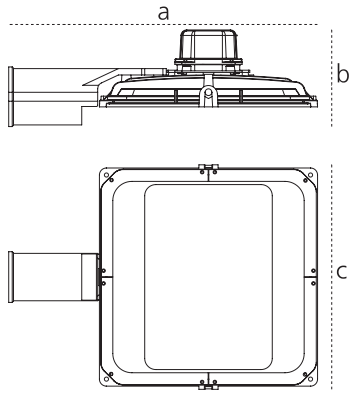
Teknik sonuçlar çalışma koşullarına bağlı olarak +-7% toleransa sahiptir.

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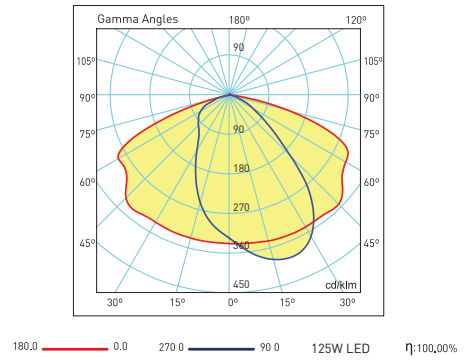
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi

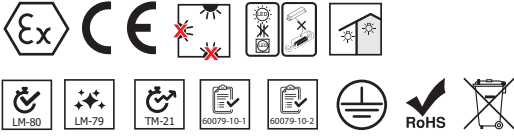


## Ex-Proof Canopy Ex-Proof Kanopi Piroliz



Gas explosion proof: ZONE 2  
Dust explosion proof: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95 °C) Dc  
Complies with 2014/34/EU ATEX Directive

Gaz patlama koruması: ZONE 2  
Toz patlama koruması: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95 °C) Dc  
2014/34/EU ATEX direktifine uygun



### Mechanical Specifications Mekanik Özellikler

|                 |                 |                      |           |
|-----------------|-----------------|----------------------|-----------|
| Body            | Gövde           | Aluminium            | Alüminyum |
| IP Rating       | IP Sınıfı       | IP66                 |           |
| IK Rating       | IK Gövde Sınıfı | IK08                 |           |
| Fire Protection | Alev Koruması   | 650°C                |           |
| Cable Gland     | Kablo Rakor     | PG11                 |           |
| Cable           | Kablo           | 3x1,5mm <sup>2</sup> |           |
| RAL Code        | Ral Kodu        | 1023                 |           |
| Mounting Type   | Montaj Tipi     | Recessed Mounted     | Sıva Altı |

### Optical Specifications Optik Özellikler

|                            |                          |                       |              |
|----------------------------|--------------------------|-----------------------|--------------|
| Light Source               | Işık Kaynağı             | Power LED             |              |
| Reflector                  | Reflektör                | -                     |              |
| Lens                       | Lens                     | 30° / 60° / 90°       |              |
| Diffuser                   | Difüzör                  | Tempered Glass        | Temperli Cam |
| CRI                        |                          | >70                   |              |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |              |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |              |
| Beam Angle                 | Işık Açısı               | Symmetric             | Simetrik     |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                                                            |  |
|-----------------------|-------------------|----------------------------------------------------------------------------|--|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |  |
| Frequency             | Frekans           | 50-60Hz                                                                    |  |
| Class                 | Sınıf             | I                                                                          |  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |  |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |  |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +55°C                                                              |  |
| Standards             | Standartlar       | EN60598-2-2, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |  |

### Options Opsiyonlar

|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | - |  |
| 1-10V                 |                   | - |  |
| Step DIM              |                   | - |  |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |  |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| Microwave Sensor      | Radar Sensör      | - |  |
| RAL Code              | RAL Kodu          | ✓ |  |
| Marine Painting       | Marin Boya        | - |  |

| Code No<br>Ürün Kodu | Power<br>Güç<br>(W) | Luminous Flux<br>Işık Akısı<br>(lm) | Colour Temp.<br>Renk Sıcaklığı<br>(K) | Efficacy<br>Etkinlik Faktörü<br>(lm/W) | Dimensions<br>Boyutlar<br>(mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi<br>(m <sup>3</sup> ) | Package Weight<br>Koli Ağırlığı<br>(kg) |
|----------------------|---------------------|-------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|--------------------------|-------------------------------------------------|-----------------------------------------|
| 111376               | 50                  | 8250                                | 6500                                  | 165                                    | 395x385x132                          | 1                        | 0,0243                                          | 8                                       |
| 111375               | 75                  | 12000                               | 6500                                  | 160                                    | 395x385x132                          | 1                        | 0,0243                                          | 8                                       |
| 111374               | 100                 | 15500                               | 6500                                  | 155                                    | 395x385x132                          | 1                        | 0,0243                                          | 8                                       |
| 111382               | 125                 | 19000                               | 6500                                  | 152                                    | 395x385x132                          | 1                        | 0,0243                                          | 8                                       |
| 111373               | 150                 | 22500                               | 6500                                  | 150                                    | 395x385x132                          | 1                        | 0,0243                                          | 8                                       |
| 111056               | 200                 | 28600                               | 6500                                  | 143                                    | 395x385x132                          | 1                        | 0,0243                                          | 8                                       |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team. Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz. Technical values have tolerance +-7% by the operating conditions. Teknik sonuçlar çalışma koşullarına bağlı olarak +-7% toleransa sahiptir.

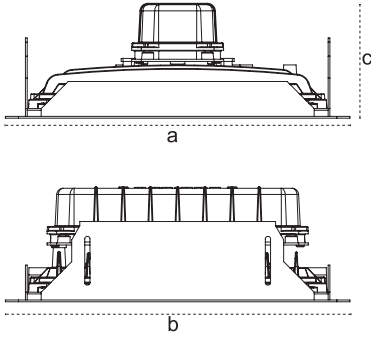
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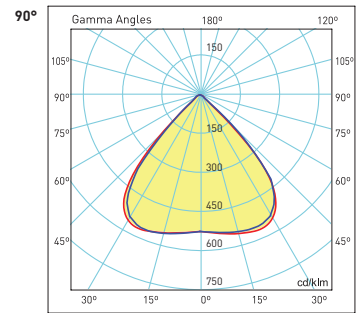
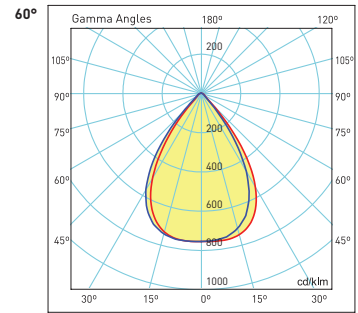
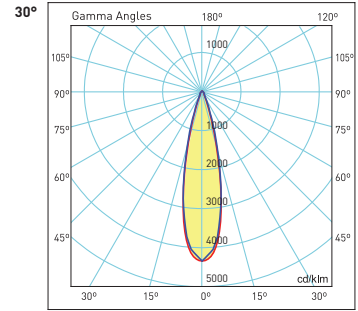
## Technical Drawing

Teknik Çizim



## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



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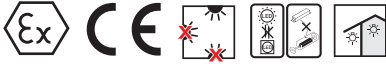


## Ex-Proof Highbay Ex-Proof Yüksek Tavan Sia



Gas explosion proof: ZONE 2  
Dust explosion proof: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95 °C) Dc  
Complies with 2014/34/EU ATEX Directive

Gaz patlama koruması: ZONE 2  
Toz patlama koruması: ZONE22  
II 3G Ex ec IIC T5 Gc  
II 3D Ex tc IIIC (T95 °C) Dc  
2014/34/EU ATEX direktifine uygun



### Mechanical Specifications Mekanik Özellikler

|                 |                 |                      |           |
|-----------------|-----------------|----------------------|-----------|
| Body            | Gövde           | Aluminium            | Alüminyum |
| IP Rating       | IP Sınıfı       | IP66                 |           |
| IK Rating       | IK Gövde Sınıfı | IK08                 |           |
| Fire Protection | Alev Koruması   | 650°C                |           |
| Cable Gland     | Kablo Rakor     | PG11                 |           |
| Cable           | Kablo           | 3x1,5mm <sup>2</sup> |           |
| RAL Code        | Ral Kodu        | 1023                 |           |
| Mounting Type   | Montaj Tipi     | Surface Mounted      | Sıva Üstü |

### Optical Specifications Optik Özellikler

|                            |                          |                       |              |
|----------------------------|--------------------------|-----------------------|--------------|
| Light Source               | Işık Kaynağı             | Power LED             |              |
| Reflector                  | Reflektör                | -                     |              |
| Lens                       | Lens                     | PMMA                  |              |
| Diffuser                   | Difüzör                  | Tempered Glass        | Temperli Cam |
| CRI                        |                          | >70                   |              |
| Colour Temperature         | Renk Sıcaklığı           | 3000K / 4000K / 6500K |              |
| Photobiological Risk Group | Fotobiyolojik Risk Grubu | RG1                   |              |
| Beam Angle                 | Işık Açısı               | 30° / 60° / 90°       |              |

### Electrical Specifications Elektriksel Özellikler

|                       |                   |                                                                            |  |
|-----------------------|-------------------|----------------------------------------------------------------------------|--|
| Input Voltage         | Giriş Gerilimi    | 220-240Vac                                                                 |  |
| Frequency             | Frekans           | 50-60Hz                                                                    |  |
| Class                 | Sınıf             | I                                                                          |  |
| System Lifetime       | Sistem Ömrü       | >50.000h                                                                   |  |
| Power Factor          | Güç Faktörü       | >0,95                                                                      |  |
| Operating Temperature | Çalışma Sıcaklığı | -20°C / +55°C                                                              |  |
| Standards             | Standartlar       | EN60598-2-1, EN62262, EN60529, EN13032, LM79, LM80, 60079-10-1, 60079-10-2 |  |

### Options Opsiyonlar

|                       |                   |   |  |
|-----------------------|-------------------|---|--|
| DALI                  |                   | - |  |
| 1-10V                 |                   | - |  |
| Step DIM              |                   | - |  |
| 1hour Emergency Kit   | 1 Saat Acil Kit   | - |  |
| 3hour Emergency Kit   | 3 Saat Acil Kit   | - |  |
| Electrical Protection | Elektriksel Sınıf | - |  |
| Microwave Sensor      | Radar Sensör      | - |  |
| RAL Code              | RAL Kodu          | ✓ |  |
| Marine Painting       | Marin Boya        | - |  |

| Code No<br>Ürün Kodu | Power<br>Güç<br>(W) | Luminous Flux<br>Işık Akısı<br>(lm) | Colour Temp.<br>Renk Sıcaklığı<br>(K) | Efficacy<br>Etkinlik Faktörü<br>(lm/W) | Dimensions<br>Boyutlar<br>(mm) axbxc | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi<br>(m <sup>3</sup> ) | Package Weight<br>Koli Ağırlığı<br>(kg) |
|----------------------|---------------------|-------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|--------------------------|-------------------------------------------------|-----------------------------------------|
| 111381               | 50                  | 8250                                | 6500                                  | 165                                    | 342x342x160                          | 1                        | 0,018                                           | 8                                       |
| 111380               | 75                  | 12000                               | 6500                                  | 160                                    | 342x342x160                          | 1                        | 0,018                                           | 8                                       |
| 111379               | 100                 | 15500                               | 6500                                  | 155                                    | 342x342x160                          | 1                        | 0,018                                           | 8                                       |
| 111378               | 125                 | 19000                               | 6500                                  | 152                                    | 342x342x160                          | 1                        | 0,018                                           | 8                                       |
| 111377               | 150                 | 22500                               | 6500                                  | 150                                    | 342x342x160                          | 1                        | 0,018                                           | 8                                       |
| 111053               | 200                 | 28600                               | 6500                                  | 143                                    | 342x342x160                          | 1                        | 0,018                                           | 8                                       |

Product codes can change by the kelvins, dimensions, or options. Please get in contact with the sales team. Ürün kodları kelvin, boyut ve opsiyonlar için değişebilir. Lütfen satış ekibi ile iletişime geçiniz. Technical values have tolerance +-7% by the operating conditions. Teknik sonuçlar çalışma koşullarına bağlı olarak +-7% toleransa sahiptir.

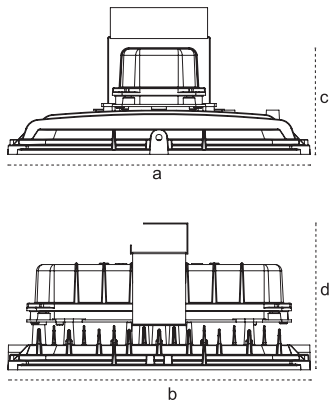
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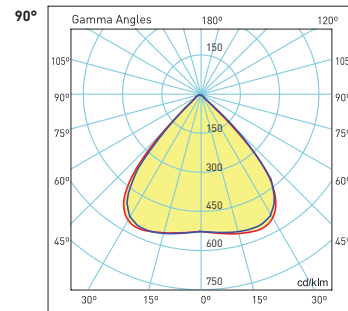
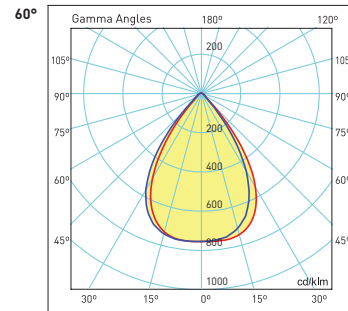
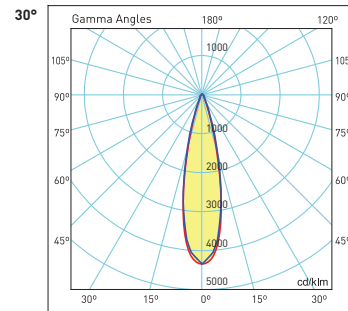
## Technical Drawing

Teknik Çizim



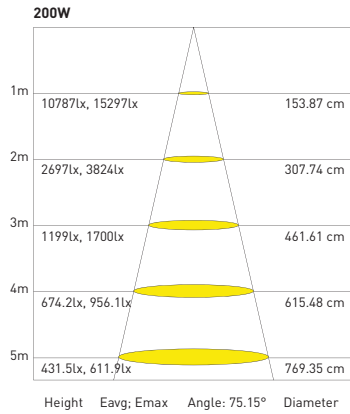
## Light Distribution Curve

Işık Şiddeti Dağılım Eğrisi



## Cone Diagram

Konik Diagram







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