# Panda

IP66

IK08

126
lm/W

5
YEARS
WARRANTY

# Panda

Panda Micro

Panda Mini

Panda Midi

Panda Maxi

Panda Micro

Panda Mini

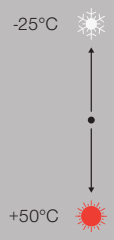
Panda Midi

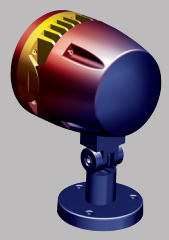
Panda Maxi

## Operating Conditions / Çalışma Koşulları

Thanks to its clever design heatsinks, our Panda range can operate at extreme conditions between -25° +50° degree ambient temperature.

Akıllı soğutma tasarımı sayesinde Panda serisi armatürleri -25° +50° derece aralığına sahip ortam koşullarında çalışabilmektedir.



### EN

- Direct lighting luminaire for use with LEDs.
- Housing made from Corrosion resistant die-cast aluminium raw material.
- Installation with bracket on floor, walls and ceiling surfaces.
- Mains voltage: 220-240V / 50-60Hz.
- Clever thermal design.
- Spot, medium and flood beam angles available.
- Led colour temperatures are optionally 2700K, 3000K, 3500K, 4000K, 5000K and 6500K.
- Suitable for illumination up to 20 meter height.
- Internal silicon gaskets ensure IP protection.
- All external screws are stainless steel.
- Double layer polyester powder paint resistant to corrosion and salt spray fog.
- Up to 126lm/W efficiency.
- High colour consistency: <3 SDCM
- Stainless steel cable gland and mains cable provided with IP68 socket and water stopper in the middle of the cable to avoid vapor enter inside the projector.
- Mechanical aiming lock.
- DALI and 1-10V dimming options available.
- Due to high heatsink capacity, Panda can operate in high Ta teperature conditions.
- L80 B10 50000hrs and five years warranty.

### TR

- Led'li simetrik ışık çıkışlı projektör armatür.
- Hammaddesi korozyona dayanıklı aluminyum enjeksiyon gövde.
- Braketli montaj sistemine sahiptir.
- 220-240V / 50-60Hz enerji girişli.
- Akıllı soğutma tasarımı.
- Dar, orta ve geniş açı seçenekleri mevcuttur.
- 2700K, 3000K, 3500K, 4000K, 5000K ve 6500K renk sıcaklığı seçenekleri mevcuttur.
- 20 metre yüksekliğe kadar aydınlatma sağlanır.
- Silikon contalar ile IP koruması sorunsuz sağlanır.
- Tüm dış vidalar paslanmazdır.
- Çift katmanlı polyester toz boya sayesinde korozyona ve tuza dayanıklı.
- 126lm/W'a kadar ulaşan verim.
- Yüksek renk uyumu: <3 SDCM
- Armatürde paslanmaz kablo rekoru kullanılmaktadır ve 220V ana şebeke kablosunda IP68 korumalı konnektör bulunmaktadır. Bununla birlikte 220V kablo ucu ve armatür arası su stoperi kullanılarak ürün içi nemlenme ve su buharı oluşumu en aza indirgenmektedir.
- Mekanik kilitleme sistemi.
- DALI ve 1-10V Dim seçenekleri mevcuttur.
- Yüksek soğutma kapasitesi sayesinde Panda yüksek Ta sıcaklık değerlerine sahip ortamlarda da rahatça çalışır.
- L80 B10 50000 saat ve beş yıl garanti.

# Panda



## Critical Feature / Kritik Özellik

**A-** When luminaire is on, it will generate high temperature and create negative pressure and brings vapor inside that would create water droplets on glass and increase percentage of failure. That's why water stopper device is critical to avoid vapor go inside luminaire.

A- Armatür çalıştığında yaratacağı ısı ürünün içine doğru basınç yaratacağından su buharı kablo içinden armatür içine rahatça girebilir ve arıza yüzdesini artırabilir. Bu sebeple 220V kablosunun orta bölümüne ilave olarak su stoper koyularak ürün içinde buharlaşmayı en aza indiriyoruz.

**B-** Every projector Avolux produces is being supplied by IP67 socket for safe installation and prevent water travel inside luminaire through the cable.

B- Avolux ürettiği tüm projektörlerin yanında güvenli montaj için IP67 soketi temin etmektedir. Bu sayede armatüre kablo içinden su girme ihtimali ortadan kalkmaktadır.

## General Features / Genel Özellikler

**1-** High efficient lens optic with spot, medium, wide, wide flood and asymmetric distribution options.
Dar, orta, geniş, çok geniş ve asimetrik ışık dağılımlarına sahip yüksek verimli lens optik.

**2-** Highest efficiency power led's with 2700K, 3000K, 3500K, 4000K, 5000K and 6500K CCT options.
2700K, 3000K, 3500K, 4000K, 5000K ve 6500K renklere sahip yüksek verimli power LED modül.

**3-** Clever thermal design.
Akıllı soğutma tasarımı.

**4-** High quality LED driver that can function both in low and high Ta conditions with five years warranty. On/off, 1-10V and DALI options available.
Çok düşük ve yüksek Ta değerlerinde çalışabilen yüksek kalite LED trafosu. On/off, 1-10V ve DALI seçenekleri bulunmaktadır.

**5-** 120dg adjustable mounting arm with mechanical lock system.
120dg hareket edebilir mekanik kilitleme sistemine sahip montaj kolu.

## Accessories / Aksesuarlar

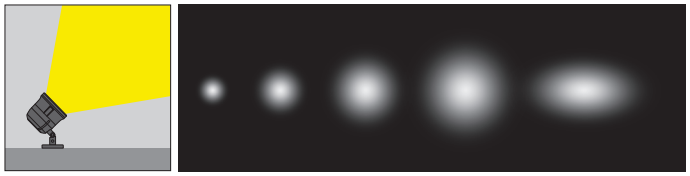
| | **Panda Micro** | **Panda Mini** | **Panda Midi** | **Panda Maxi** |
|---|---|---|---|---|
| Honeycomb Filter / Balpeteği Filtre | Code / Kod: O07.HC.00527 | Code / Kod: O07.HC.00521 | Code / Kod: O07.HC.00522 | Code / Kod: O07.HC.00523 |
| Visor / Işık Siperi | Code / Kod: N/A | Code / Kod: O07.VZR.00521 | Code / Kod: O07.VZR.00522 | Code / Kod: O07.VZR.00523 |

# Panda Maxi

LED A A+ A++ 90° 0° PBS SASO CB LVD EAC CE IP 66 IK08 kg 6.3 CRI 80

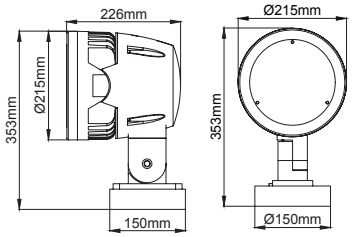
## 5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 358 for ldt files. / Işık eğrileri için sayfa 358 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Maxi / O07.WL.00523

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 60W | CRI>80 | O07.WL.00523 . (..) . (...) . (..) . (..) | 2700K | 7016 |
| | | | 3000K | 7097 |
| | | | 3500K | 7423 |
| | | | 4000K | 7587 |
| | | | 5000K | 7668 |
| | | | 6500K | 7750 |
| 49W | CRI>80 | O07.WL.00523 . (..) . (...) . (..) . (..) | Red / Kırmızı | 3060 |
| 63W | CRI>80 | O07.WL.00523 . (..) . (...) . (..) . (..) | Green / Yeşil | 4676 |
| 65W | CRI>80 | O07.WL.00523 . (..) . (...) . (..) . (..) | Blue / Mavi | 2316 |
| 62W | CRI>80 | O07.WL.00523 . (..) . (...) . (..) . (..) | Amber | 5627 |

* Code example / Kod örneği:

O07.WL.00523 . 60 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

(..) / Complete Code / Komple Kod

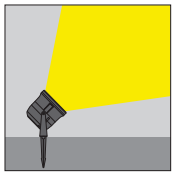
| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | | Reflector Angle / Reflektör Açısı | 5 | | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 60W - 700mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | | SP | 14° - Spot | | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | | ME | 25° - Medium | | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | | MF | 30° - Medium Flood | | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | | FL | 45° - Flood | | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | | OV | 40° x 18° - Oval | | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | | | 06 | special color |

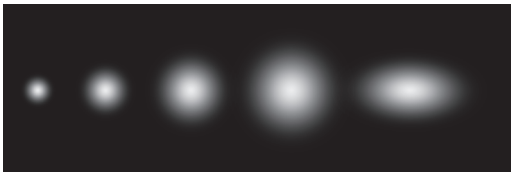
# Panda Maxi

LED A A+ A++ | 90° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP66 | IK08 | kg 6.5 | CRI 80

## 5 / Product Color / Ürün Renk

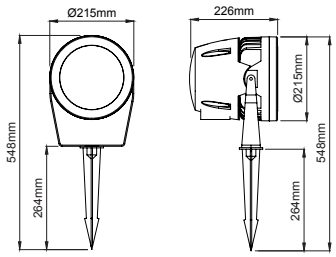
White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03





* See page 358 for ldt files. / Işık eğrileri için sayfa 358 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Maxi / O07.WL.00526

* Code example / Kod örneği:

O07.WL.00526 . 60 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 60W | CRI>80 | O07.WL.00526 . (..) . (...) . (..) . (..) | 2700K | 7848 |
| | | | 3000K | 7939 |
| | | | 3500K | 8304 |
| | | | 4000K | 8487 |
| | | | 5000K | 8578 |
| | | | 6500K | 8669 |
| 49W | CRI>80 | O07.WL.00526 . (..) . (...) . (..) . (..) | Red / Kırmızı | 3060 |
| 63W | CRI>80 | O07.WL.00526 . (..) . (...) . (..) . (..) | Green / Yeşil | 4676 |
| 65W | CRI>80 | O07.WL.00526 . (..) . (...) . (..) . (..) | Blue / Mavi | 2316 |
| 62W | CRI>80 | O07.WL.00526 . (..) . (...) . (..) . (..) | Amber | 5627 |

(..) / Complete Code / Komple Kod

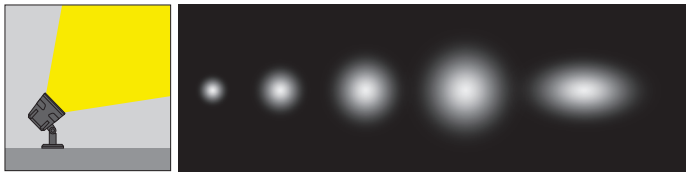
| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | Reflector Angle / Reflektör Açısı | 5 | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|
| 60 | 60W - 700mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | SP | 14° - Spot | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | ME | 25° - Medium | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | MF | 30° - Medium Flood | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | FL | 45° - Flood | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | OV | 40° x 18° - Oval | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | 06 | special color |

# Panda Midi

LED A A+ A++ 90° 0° PBS SASO CB LVD EAC CE IP 66 IK08 kg 3.3 CRI 80

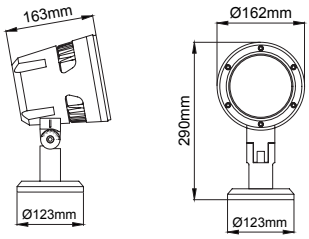
## 5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 358 for ldt files. / Işık eğrileri için sayfa 358 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Midi / O07.WL.00522

* Code example / Kod örneği:

O07.WL.00522 . 36 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 36W | CRI>80 | O07.WL.00522 . (..) . (...) . (..) . (..) | 2700K | 3662 |
| | | | 3000K | 3705 |
| | | | 3500K | 3875 |
| | | | 4000K | 3960 |
| | | | 5000K | 4003 |
| | | | 6500K | 4045 |
| 27W | CRI>80 | O07.WL.00522 . (..) . (...) . (..) . (..) | Red / Kırmızı | 1700 |
| 36W | CRI>80 | O07.WL.00522 . (..) . (...) . (..) . (..) | Green / Yeşil | 2598 |
| 37W | CRI>80 | O07.WL.00522 . (..) . (...) . (..) . (..) | Blue / Mavi | 1287 |
| 35W | CRI>80 | O07.WL.00522 . (..) . (...) . (..) . (..) | Amber | 3126 |

(..) / Complete Code / Komple Kod

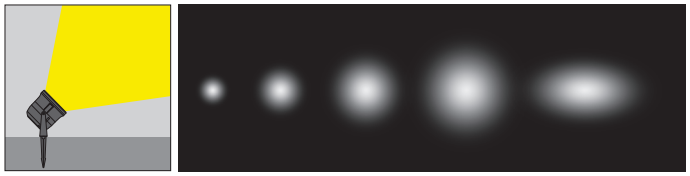
| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | | Reflector Angle / Reflektör Açısı | 5 | | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 36W - 600mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | | SP | 14° - Spot | | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | | ME | 25° - Medium | | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | | MF | 30° - Medium Flood | | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | | FL | 45° - Flood | | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | | OV | 40° x 18° - Oval | | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | | | 06 | special color |

# Panda Midi

LED A A+ A++ | 90° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP66 | IK08 | kg 3.3 | CRI 80

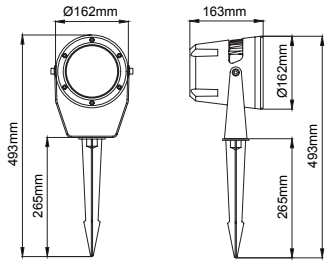
## 5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 358 for ldt files. / Işık eğrileri için sayfa 358 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Midi / O07.WL.00525

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 36W | CRI>80 | O07.WL.00525 . (..) . (...) . (..) . (..) | 2700K | 3662 |
| | | | 3000K | 3705 |
| | | | 3500K | 3875 |
| | | | 4000K | 3960 |
| | | | 5000K | 4003 |
| | | | 6500K | 4045 |
| 27W | CRI>80 | O07.WL.00525 . (..) . (...) . (..) . (..) | Red / Kırmızı | 1700 |
| 36W | CRI>80 | O07.WL.00525 . (..) . (...) . (..) . (..) | Green / Yeşil | 2598 |
| 37W | CRI>80 | O07.WL.00525 . (..) . (...) . (..) . (..) | Blue / Mavi | 1287 |
| 35W | CRI>80 | O07.WL.00525 . (..) . (...) . (..) . (..) | Amber | 3126 |

* Code example / Kod örneği:

O07.WL.00525 . 36 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

(..) / Complete Code / Komple Kod

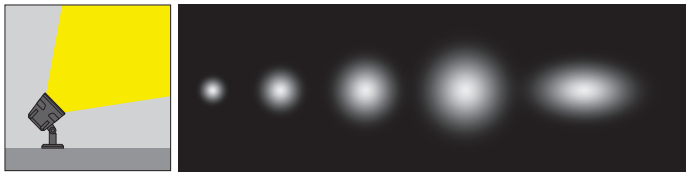
| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | Reflector Angle / Reflektör Açısı | 5 | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|
| 36 | 36W - 600mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | SP | 14° - Spot | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | ME | 25° - Medium | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | MF | 30° - Medium Flood | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | FL | 45° - Flood | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | OV | 40° x 18° - Oval | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | 06 | special color |

# Panda Mini

LED A A+ A++ 90° 0° PBS SASO CB LVD EAC CE IP 66 IK08 kg 2 CRI 80

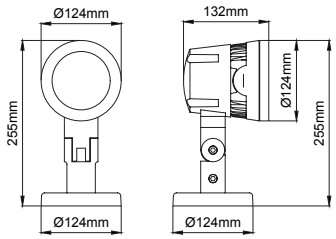
## 5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 359 for ldt files. / Işık eğrileri için sayfa 359 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Mini / O07.WL.00521

* Code example / Kod örneği:

O07.WL.00521 . 22 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 22W | CRI>80 | O07.WL.00521 . (..) . (...) . (..) . (..) | 2700K | 2287 |
| | | | 3000K | 2314 |
| | | | 3500K | 2420 |
| | | | 4000K | 2473 |
| | | | 5000K | 2500 |
| | | | 6500K | 2526 |
| 16W | CRI>80 | O07.WL.00521 . (..) . (...) . (..) . (..) | Red / Kırmızı | 1020 |
| 21W | CRI>80 | O07.WL.00521 . (..) . (...) . (..) . (..) | Green / Yeşil | 1559 |
| 22W | CRI>80 | O07.WL.00521 . (..) . (...) . (..) . (..) | Blue / Mavi | 772 |
| 20W | CRI>80 | O07.WL.00521 . (..) . (...) . (..) . (..) | Amber | 1800 |

(...) / Complete Code / Komple Kod

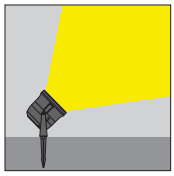
| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | | Reflector Angle / Reflektör Açısı | 5 | | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 22W - 700mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | | SP | 14° - Spot | | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | | ME | 25° - Medium | | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | | MF | 30° - Medium Flood | | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | | FL | 45° - Flood | | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | | OV | 40° x 18° - Oval | | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | | | 06 | special color |

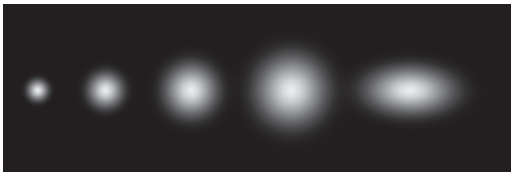
# Panda Mini

LED A A+ A++ | 90° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 2 | CRI 80

## 5 / Product Color / Ürün Renk

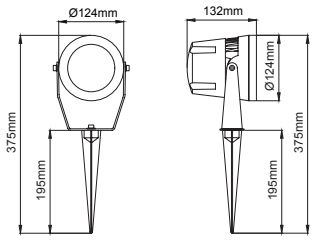
White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03





* See page 359 for Idt files. / Işık eğrileri için sayfa 359 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Mini / O07.WL.00524

* Code example / Kod örneği:

O07.WL.00524 . 22 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 22W | CRI>80 | O07.WL.00524 . (..) . (...) . (..) . (..) | 2700K | 2287 |
| | | | 3000K | 2314 |
| | | | 3500K | 2420 |
| | | | 4000K | 2473 |
| | | | 5000K | 2500 |
| | | | 6500K | 2526 |
| 16W | CRI>80 | O07.WL.00524 . (..) . (...) . (..) . (..) | Red / Kırmızı | 1020 |
| 21W | CRI>80 | O07.WL.00524 . (..) . (...) . (..) . (..) | Green / Yeşil | 1559 |
| 22W | CRI>80 | O07.WL.00524 . (..) . (...) . (..) . (..) | Blue / Mavi | 772 |
| 20W | CRI>80 | O07.WL.00524 . (..) . (...) . (..) . (..) | Amber | 1800 |

(..) / Complete Code / Komple Kod

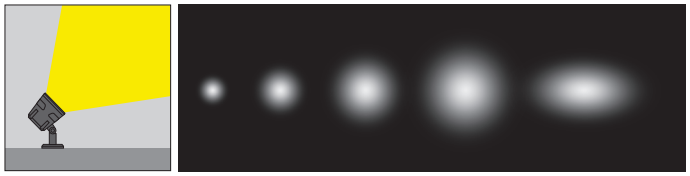
| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | | Reflector Angle / Reflektör Açısı | 5 | | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 22W - 700mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | | SP | 14° - Spot | | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | | ME | 25° - Medium | | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | | MF | 30° - Medium Flood | | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | | FL | 45° - Flood | | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | | OV | 40° x 18° - Oval | | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | | | 06 | special color |

# Panda Micro

LED A A+ A++ | 90° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP 66 | IK08 | kg 0.5 | CRI 80

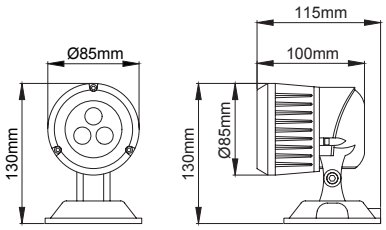
## 5 / Product Color / Ürün Renk

White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03



* See page 359 for ldt files. / Işık eğrileri için sayfa 359 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Micro / O07.WL.00527

* Code example / Kod örneği:

O07.WL.00527 . 5 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 5W | CRI>80 | O07.WL.00527 . (..) . (...) . (..) . (..) | 2700K | 519 |
| | | | 3000K | 525 |
| | | | 3500K | 549 |
| | | | 4000K | 562 |
| | | | 5000K | 568 |
| | | | 6500K | 574 |
| 6W | CRI>80 | O07.WL.00527 . (..) . (...) . (..) . (..) | Red / Kırmızı | 340 |
| 7W | CRI>80 | O07.WL.00527 . (..) . (...) . (..) . (..) | Green / Yeşil | 520 |
| 7W | CRI>80 | O07.WL.00527 . (..) . (...) . (..) . (..) | Blue / Mavi | 257 |
| 7W | CRI>80 | O07.WL.00527 . (..) . (...) . (..) . (..) | Amber | 625 |

(...) / Complete Code / Komple Kod

| 2 | Watt - Driving Current / Watt - Sürüş Akımı |
|---|---|
| 5 | 5W - 700mA |

| 3 | CRI / Kelvin | | |
|---|---|---|---|
| 827 | CRI>80 - 2700K | 625 | Red / Kırmızı |
| 830 | CRI>80 - 3000K | 525 | Green / Yeşil |
| 835 | CRI>80 - 3500K | 470 | Blue / Mavi |
| 840 | CRI>80 - 4000K | 590 | Amber |
| 850 | CRI>80 - 5000K | | |
| 865 | CRI>80 - 6500K | | |

| 4 | Reflector Angle / Reflektör Açısı |
|---|---|
| SP | 14° - Spot |
| ME | 25° - Medium |
| MF | 30° - Medium Flood |
| FL | 45° - Flood |
| OV | 40° x 18° - Oval |

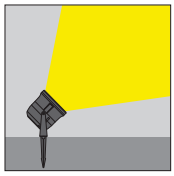
| 5 | Product Color / Ürün Renk |
|---|---|
| 01 | white |
| 02 | ral 9010 |
| 03 | black |
| 04 | gray |
| 05 | dark gray |
| 06 | special color |

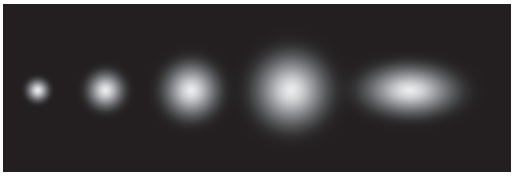
# Panda Micro

LED A A+ A++ | 90° | 0° | PBS | SASO | CB | LVD | EAC | CE | IP66 | IK08 | kg 0.7 | CRI 80

## 5 / Product Color / Ürün Renk

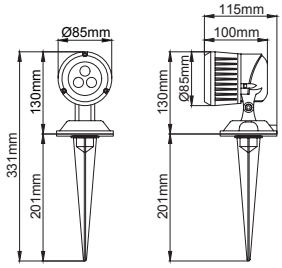
White = 01 | Light Gray = 04 | Textured Metalic Dark Gray = 05 | Black = 03





* See page 359 for ldt files. / Işık eğrileri için sayfa 359 bakınız.

## Technical Drawing / Teknik Çizim




## Panda Micro / O07.WL.00528

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 5W | CRI>80 | O07.WL.00528 . (..) . (...) . (..) . (..) | 2700K | 519 |
| | | | 3000K | 525 |
| | | | 3500K | 549 |
| | | | 4000K | 562 |
| | | | 5000K | 568 |
| | | | 6500K | 574 |
| 6W | CRI>80 | O07.WL.00528 . (..) . (...) . (..) . (..) | Red / Kırmızı | 340 |
| 7W | CRI>80 | O07.WL.00528 . (..) . (...) . (..) . (..) | Green / Yeşil | 520 |
| 7W | CRI>80 | O07.WL.00528 . (..) . (...) . (..) . (..) | Blue / Mavi | 257 |
| 7W | CRI>80 | O07.WL.00528 . (..) . (...) . (..) . (..) | Amber | 625 |

* Code example / Kod örneği:

O07.WL.00528 . 5 . 827 . SP . 01

1 2 3 4 5

1- Product code / Armatür kodu
2- Power / Güç
3- CRI / Kelvin
4- Reflector angle / Reflektör açısı
5- Colour / Ürün renk

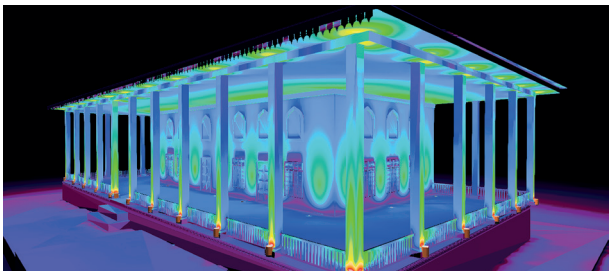
(..) / Complete Code / Komple Kod

| 2 | Watt - Driving Current / Watt - Sürüş Akımı | 3 | CRI / Kelvin | | | 4 | Reflector Angle / Reflektör Açısı | 5 | Product Color / Ürün Renk |
|---|---|---|---|---|---|---|---|---|---|
| 5 | 5W - 700mA | 827 | CRI>80 - 2700K | 625 | Red / Kırmızı | SP | 14° - Spot | 01 | white |
| | | 830 | CRI>80 - 3000K | 525 | Green / Yeşil | ME | 25° - Medium | 02 | ral 9010 |
| | | 835 | CRI>80 - 3500K | 470 | Blue / Mavi | MF | 30° - Medium Flood | 03 | black |
| | | 840 | CRI>80 - 4000K | 590 | Amber | FL | 45° - Flood | 04 | gray |
| | | 850 | CRI>80 - 5000K | | | OV | 40° x 18° - Oval | 05 | dark gray |
| | | 865 | CRI>80 - 6500K | | | | | 06 | special color |

# Panda Focus

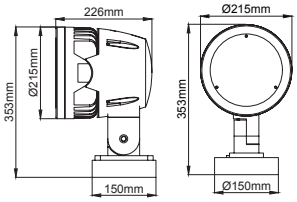
Panda family is now available with superspot beam option of 6° that enables pinpoint illumination of high illumination distance.

Panda ailesi artık 6° çok dar açı seçeneğine sahip. Bu sayede çok uzak mesafeye ışık noktasal olarak iletilebilir.



## Panda Maxi Focus / O07.WL.00543

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 19W | CRI>90 | O07.WL.00543 . (..) . (...) . (..) . (..) | 2700K | 1386 |
| | | | 3000K | 1432 |
| | | | 3500K | 1478 |
| | | | 4000K | 1524 |
| | | | 5000K | 1645 |
| | | | 6500K | X |



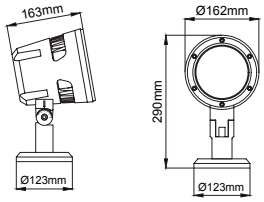

* Code example / Kod örneği:

O07.WL.00543 . 19 . 927 . SS . 01

1 2 3 4 5

## Panda Midi Focus / O07.WL.00542

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 14W | CRI>90 | O07.WL.00542 . (..) . (...) . (..) . (..) | 2700K | 885 |
| | | | 3000K | 914 |
| | | | 3500K | 943 |
| | | | 4000K | 973 |
| | | | 5000K | 1050 |
| | | | 6500K | X |



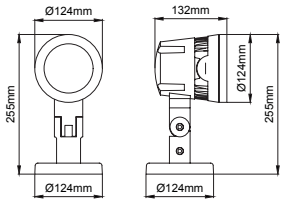

* Code example / Kod örneği:

O07.WL.00542 . 14 . 927 . SS . 01

1 2 3 4 5

## Panda Mini Focus/ O07.WL.00541

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 6W | CRI>90 | O07.WL.00541 . (..) . (...) . (..) . (..) | 2700K | 350 |
| | | | 3000K | 362 |
| | | | 3500K | 373 |
| | | | 4000K | 385 |
| | | | 5000K | 415 |
| | | | 6500K | X |



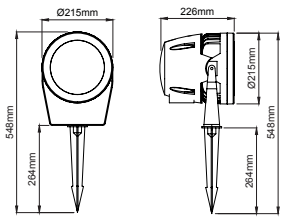

* Code example / Kod örneği:

O07.WL.00541 . 6 . 927 . SS . 01

1 2 3 4 5

## Panda Maxi Focus / O07.WL.00546

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 19W | CRI>90 | O07.WL.00546 . (..) . (...) . (..) . (..) | 2700K | 1386 |
| | | | 3000K | 1432 |
| | | | 3500K | 1478 |
| | | | 4000K | 1524 |
| | | | 5000K | 1645 |
| | | | 6500K | X |




* Code example / Kod örneği:

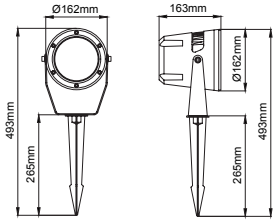
O07.WL.00546 . 19 . 927 . SS . 01

1 2 3 4 5

# Panda Focus

## Panda Midi Focus / O07.WL.00545

| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 14W | CRI>90 | O07.WL.00545 . (..) . (...) . (..) . (..) | 2700K | 885 |
| | | | 3000K | 914 |
| | | | 3500K | 943 |
| | | | 4000K | 973 |
| | | | 5000K | 1050 |
| | | | 6500K | X |



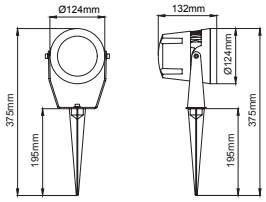

* Code example / Kod örneği:

O07.WL.00545 . 14 . 927 . SS . 01

1 2 3 4 5

## Panda Mini Focus / O07.WL.00544

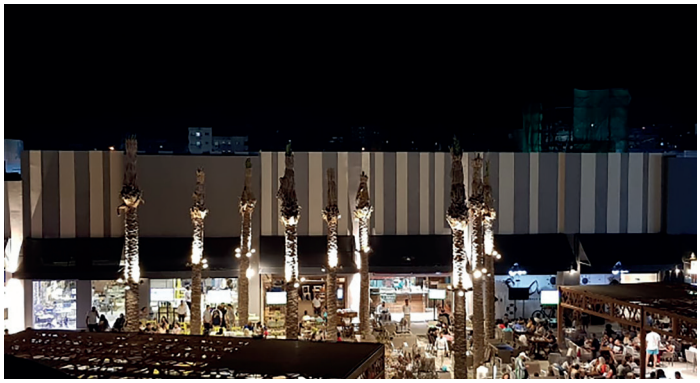
| Power / Güç | CRI | Order Code / Sipariş Kodu | Kelvin | Lümen $T_C$=50° Lümen |
|---|---|---|---|---|
| 6W | CRI>90 | O07.WL.00544 . (..) . (...) . (..) . (..) | 2700K | 350 |
| | | | 3000K | 362 |
| | | | 3500K | 373 |
| | | | 4000K | 385 |
| | | | 5000K | 415 |
| | | | 6500K | X |




* Code example / Kod örneği:

O07.WL.00544 . 6 . 927 . SS . 01

1 2 3 4 5



# LDT Files / LDT Dataları

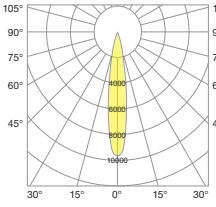
O07.WL.00523

O07.WL.00526

O07.WL.00543

O07.WL.00546

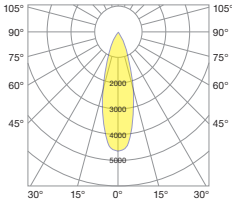
Beam Angle: 14° — 60W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.12 | | 315087 | 154851 | |
| 1.0 | 0.25 | 7.0° | 78771 | 38713 | |
| 1.5 | 0.37 | 7.0° | 35010 | 17206 | |
| 2.0 | 0.49 | 7.0° | 19693 | 9678 | |
| 2.5 | 0.61 | 7.0° | 12603 | 6194 | |
| 3.0 | 0.74 | 7.0° | 8752 | 4301 | |

C0 - C180 (Half value angle: 14.0°)

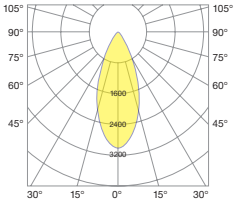
Beam Angle: 25° — 60W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.22 | | 134080 | 63303 | |
| 1.0 | 0.44 | 12.5° | 33520 | 15826 | |
| 1.5 | 0.67 | 12.5° | 14898 | 7034 | |
| 2.0 | 0.89 | 12.5° | 8380 | 3956 | |
| 2.5 | 1.11 | 12.5° | 5363 | 2532 | |
| 3.0 | 1.33 | 12.5° | 3724 | 1758 | |

C0 - C180 (Half value angle: 25.0°)

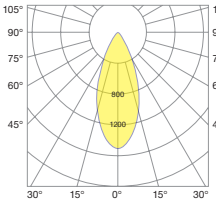
Beam Angle: 30° — 60W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.28 | | 101104 | 45522 | |
| 1.0 | 0.55 | 15.4° | 25276 | 11381 | |
| 1.5 | 0.83 | 15.4° | 11234 | 5058 | |
| 2.0 | 1.10 | 15.4° | 6319 | 2845 | |
| 2.5 | 1.38 | 15.4° | 4044 | 1821 | |
| 3.0 | 1.65 | 15.4° | 2808 | 1265 | |

C0 - C180 (Half value angle: 30.8°)

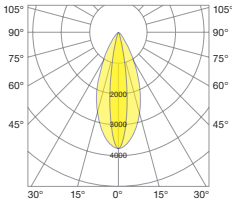
Beam Angle: 45° — 60W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.43 | | 52943 | 20612 | |
| 1.0 | 0.87 | 23.4° | 13236 | 5153 | |
| 1.5 | 1.30 | 23.4° | 5883 | 2290 | |
| 2.0 | 1.73 | 23.4° | 3309 | 1288 | |
| 2.5 | 2.16 | 23.4° | 2118 | 824 | |
| 3.0 | 2.60 | 23.4° | 1471 | 573 | |

C0 - C180 (Half value angle: 46.8°)

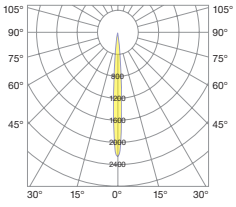
Beam Angle: Oval; 40° x 18° — 60W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0 °) | E(C90) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|---|
| 0.5 | 0.16 0.36 | | 105477 | 51002 | 44078 | |
| 1.0 | 0.32 0.73 | 9.2° | 26369 | 12751 | 11020 | |
| 1.5 | 0.49 1.09 | 9.2° | 11720 | 5667 | 4898 | |
| 2.0 | 0.65 1.46 | 9.2° | 6592 | 3188 | 2755 | |
| 2.5 | 0.81 1.82 | 9.2° | 4219 | 2040 | 1763 | |
| 3.0 | 0.97 2.18 | 9.2° | 2930 | 1417 | 1224 | |

C0 - C180 (Half value angle: 40.0°)
C90 - C270 (Half value angle: 18.4°)

Beam Angle: 6° — 19W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.05 | | 133752 | 67253 | |
| 1.0 | 0.10 | 2.8° | 33438 | 16813 | |
| 1.5 | 0.15 | 2.8° | 14861 | 7473 | |
| 2.0 | 0.20 | 2.8° | 8359 | 4203 | |
| 2.5 | 0.24 | 2.8° | 5350 | 2690 | |
| 3.0 | 0.29 | 2.8° | 3715 | 1868 | |

C0 - C180 (Half value angle: 5.6°)

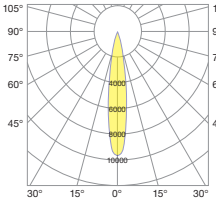
O07.WL.00522

O07.WL.00525

O07.WL.00542

O07.WL.00545

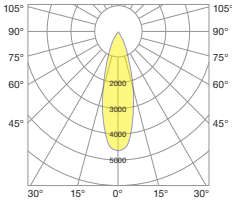
Beam Angle: 14° — 36W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.12 | | 150879 | 74151 | |
| 1.0 | 0.25 | 7.0° | 37720 | 18538 | |
| 1.5 | 0.37 | 7.0° | 16764 | 8239 | |
| 2.0 | 0.49 | 7.0° | 9430 | 4634 | |
| 2.5 | 0.61 | 7.0° | 6035 | 2966 | |
| 3.0 | 0.74 | 7.0° | 4191 | 2060 | |

C0 - C180 (Half value angle: 14.0°)

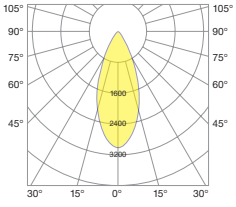
Beam Angle: 25° — 36W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.22 | | 69982 | 33041 | |
| 1.0 | 0.44 | 12.5° | 17496 | 8260 | |
| 1.5 | 0.67 | 12.5° | 7776 | 3671 | |
| 2.0 | 0.89 | 12.5° | 4374 | 2065 | |
| 2.5 | 1.11 | 12.5° | 2799 | 1322 | |
| 3.0 | 1.33 | 12.5° | 1944 | 918 | |

C0 - C180 (Half value angle: 25.0°)

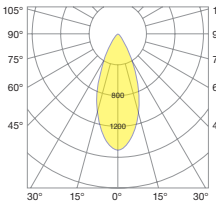
Beam Angle: 30° — 36W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.28 | | 41661 | 18758 | |
| 1.0 | 0.55 | 15.4° | 10415 | 4690 | |
| 1.5 | 0.83 | 15.4° | 4629 | 2084 | |
| 2.0 | 1.10 | 15.4° | 2604 | 1172 | |
| 2.5 | 1.38 | 15.4° | 1666 | 750 | |
| 3.0 | 1.65 | 15.4° | 1157 | 521 | |

C0 - C180 (Half value angle: 30.8°)

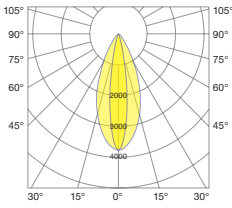
Beam Angle: 45° — 36W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.43 | | 23933 | 9318 | |
| 1.0 | 0.87 | 23.4° | 5983 | 2329 | |
| 1.5 | 1.30 | 23.4° | 2659 | 1035 | |
| 2.0 | 1.73 | 23.4° | 1496 | 582 | |
| 2.5 | 2.16 | 23.4° | 957 | 373 | |
| 3.0 | 2.60 | 23.4° | 665 | 259 | |

C0 - C180 (Half value angle: 46.8°)

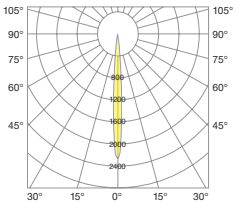
Beam Angle: Oval; 40° x 18° — 36W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0 °) | E(C90) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|---|
| 0.5 | 0.16 0.36 | | 52937 | 25597 | 22122 | |
| 1.0 | 0.32 0.73 | 9.2° | 13234 | 6399 | 5531 | |
| 1.5 | 0.49 1.09 | 9.2° | 5882 | 2844 | 2458 | |
| 2.0 | 0.65 1.46 | 9.2° | 3309 | 1600 | 1383 | |
| 2.5 | 0.81 1.82 | 9.2° | 2117 | 1024 | 885 | |
| 3.0 | 0.97 2.18 | 9.2° | 1470 | 711 | 615 | |

C0 - C180 (Half value angle: 40.0°)
C90 - C270 (Half value angle: 18.4°)

Beam Angle: 6° — 14W POWER LED




| Distance [m] | Koni Daimeter [m] | | E(0°) | E(C0) | Illuminance [lx] |
|---|---|---|---|---|---|
| 0.5 | 0.06 | | 68752 | 38498 | |
| 1.0 | 0.11 | 3.2° | 17188 | 9624 | |
| 1.5 | 0.17 | 3.2° | 7639 | 4278 | |
| 2.0 | 0.22 | 3.2° | 4297 | 2406 | |
| 2.5 | 0.28 | 3.2° | 2750 | 1540 | |
| 3.0 | 0.34 | 3.2° | 1910 | 1069 | |

C0 - C180 (Half value angle: 6.4°)

# LDT Files / LDT Dataları

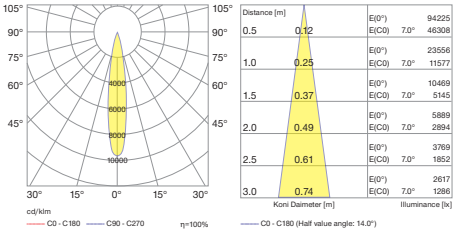
O07.WL.00521

O07.WL.00524

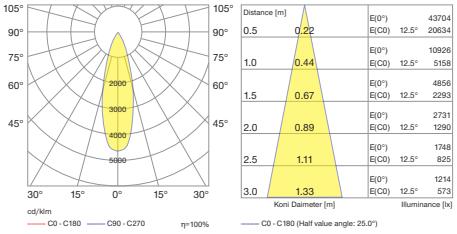
O07.WL.00541

O07.WL.00544

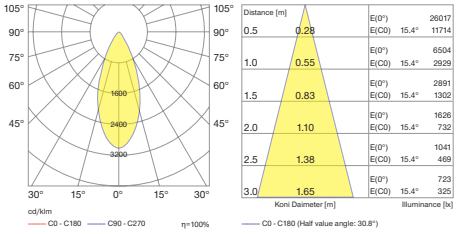
Beam Angle: 14° — 22W POWER LED



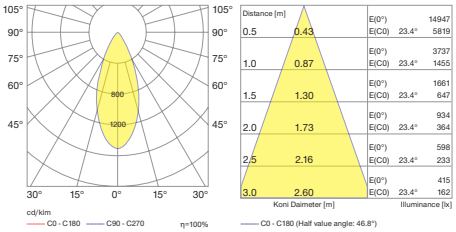

Beam Angle: 25° — 22W POWER LED



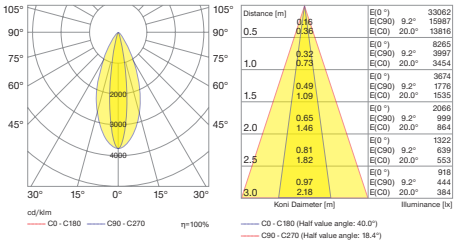

Beam Angle: 30° — 22W POWER LED



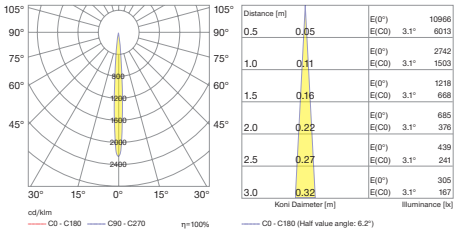

Beam Angle: 45° — 22W POWER LED




Beam Angle: Oval; 40° x 18° — 22W POWER LED




Beam Angle: 6° — 6W POWER LED

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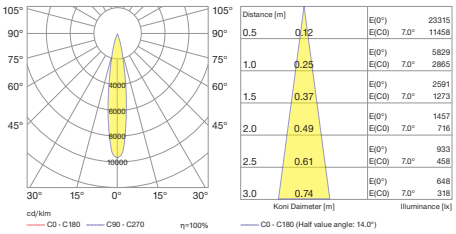
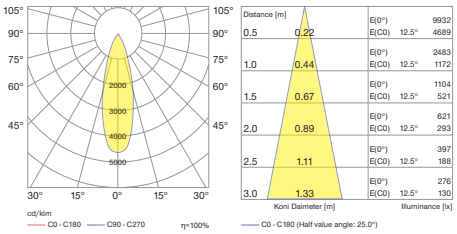
O07.WL.00527

O07.WL.00528

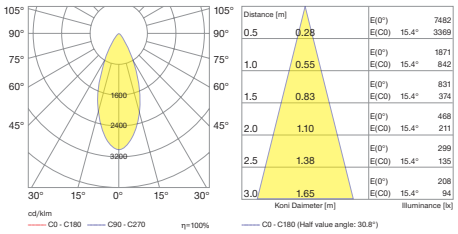
Beam Angle: 14° — 60W POWER LED



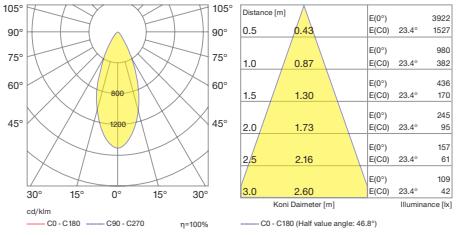

Beam Angle: 25° — 60W POWER LED

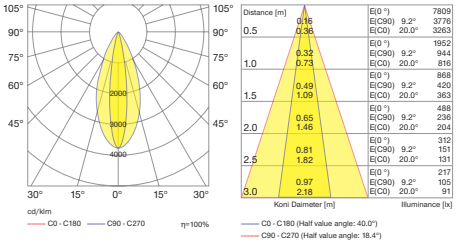



Beam Angle: 30° — 60W POWER LED




Beam Angle: 45° — 60W POWER LED




Beam Angle: Oval; 40° x 18° — 60W POWER LED