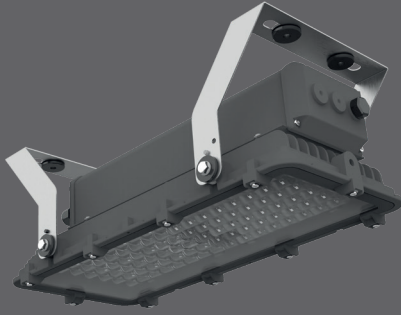


## Tunnel & Underpass Tünel & Altgeçit Rotta



### Mekanik Özellikler

|                                                          |                                                                                                                                                                     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body / Gövde                                             | Die-cast, marine grade aluminum housing                                                                                                                             |
| IP Rating / IP Sınıfı                                    | IP66                                                                                                                                                                |
| IK Rating Body / IK Gövde Sınıfı                         | IK09                                                                                                                                                                |
| Standard Product Colour / Standart Ürün Rengi            | RAL 7043                                                                                                                                                            |
| Mounting Type / Montaj Tipi                              | Direct mounting on ceiling, wall or cable tray                                                                                                                      |
| Bracket / Braket                                         | Sabit Braket (FB)                                                                                                                                                   |
| Gasket / Conta                                           | Silicone                                                                                                                                                            |
| Fasteners / Bağlantı Elemanları                          | Stainless steel (AISI 304)                                                                                                                                          |
| Finishing / Yüzey                                        | Chromate conversion pretreatment followed by electrostatic powder coating                                                                                           |
| Light Source Replaceable / Değiştirilebilir Işık Kaynağı | Yes                                                                                                                                                                 |
| Serviceability Class / Servis Kolaylığı Sınıfı           | Luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts |



### Optik Özellikler

|                                                       |                               |
|-------------------------------------------------------|-------------------------------|
| Light Source / Işık Kaynağı                           | Power LED                     |
| Lens / Reflector / Lens / Reflektör                   | PMMA Lens                     |
| Diffuser / Difüzör                                    | Tempered Glass / Temperli Cam |
| Colour Temperature / Renk Sıcaklığı                   | 3000K CRI70, 4000K CRI70      |
| Photobiological Risk Group / Fotobiyolojik Risk Grubu | RG1                           |
| Lifetime / Ömür                                       | >102000h                      |
| Colour Consistency (SDCM)                             | MacAdam ≤ 5-Step              |



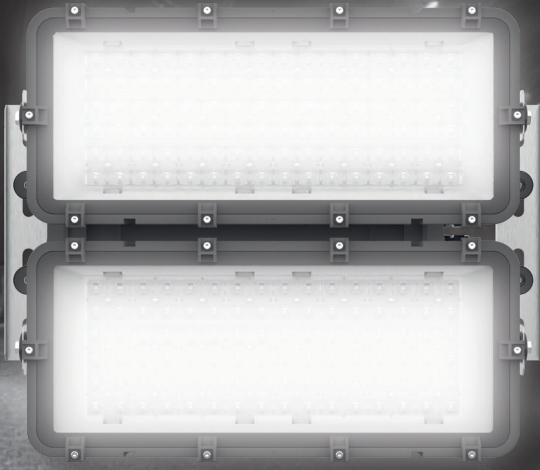
### Elektriksel Özellikler

|                                                  |                                 |
|--------------------------------------------------|---------------------------------|
| Input Voltage / Giriş Gerilimi                   | 220-240Vac                      |
| Frequency / Frekans                              | 50-60Hz                         |
| Class / Sınıf                                    | I                               |
| Driver Lifetime / Sürücü Ömrü                    | ≥100.000h                       |
| Power Factor / Güç Faktörü                       | >0,95                           |
| Operating Temperature / Çalışma Sıcaklığı        | -40°C / +55°C                   |
| Driver Surge Protection / Driver Yıldırım Koruma | 10/6kV                          |
| Control / Kontrol Sistemi                        | On/Off, [0]1-10V, DALI, StepDIM |
| Cable / Kablo                                    | 1 mt. of rubber cable           |



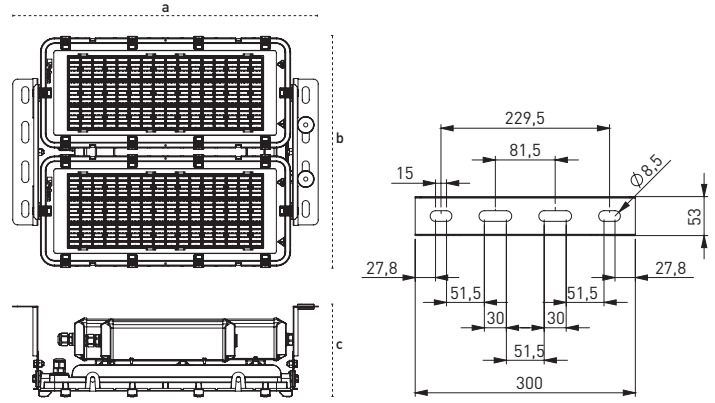
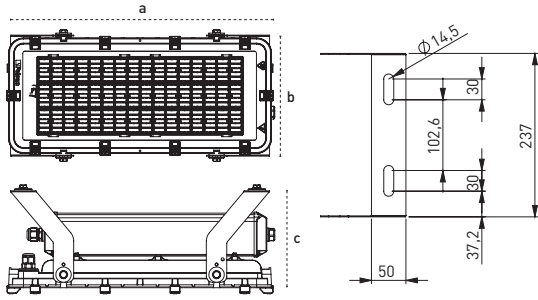
### Options

|                                                    |                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Options / Opsiyonlar                               |                                                                                                                          |
| Input Voltage / Giriş Gerilimi                     | 120-277VAC                                                                                                               |
| Class / Sınıf                                      | II                                                                                                                       |
| External surge protection / Harici yıldırım koruma | 10kV or 20kV                                                                                                             |
| Light output / Işık Çıkışı                         | CLO (Constant light output)                                                                                              |
| Through Wiring / Seri Kablo                        | Two cable entry                                                                                                          |
| Cable / Kablo                                      | Halogen-free cable                                                                                                       |
| Product colour / Ürün Rengi                        | Custom colour (Please specify RAL code)                                                                                  |
| Finishing / Yüzey                                  | Polyester powder coating with anodisation (C5-CX according to the ISO 9223-2012 std.)                                    |
| Fasteners / Bağlantı Elemanları                    | A4 Stainless steel (AISI 316)                                                                                            |
| Brackets / Braketler                               | Adjustable Bracket (AB) / Açılabilir Braket<br>Latch Bracket (LB) / Mandallı Braket<br>Custom Bracket (CB) / Özel Braket |



## Technical Drawing

Teknik Çizim



## Accessories

Aksesuarlar



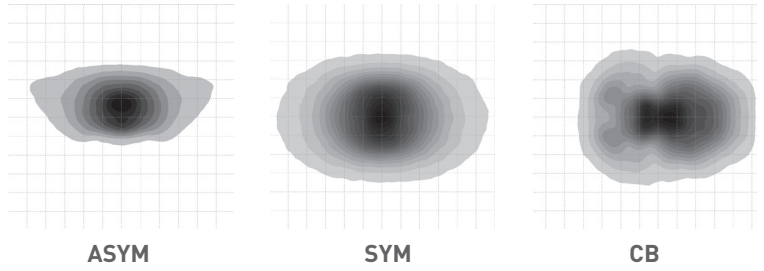
Junction Box Bağlantı Kutusu



M/F Connectors Konnektörler

## Lighting Distribution Type

Işık Şiddeti Dağılım Eğrisi



| Luminaire<br>Armatür | Colour Temp.<br>Renk Sıcaklığı<br>(K) | Light<br>Distribution Type<br>Işık Dağılım Tipi | Current<br>Akım (mA) | Power<br>Güç<br>(W) | Luminaire<br>Luminous Flux<br>Armatür Işık Akısı<br>(lm) | Efficacy<br>Etkinlik Faktörü<br>(lm/W) |  | Dimensions<br>Boyutlar<br>(mm) a x b x c | Weight<br>Ağırlık<br>(kg) | Pcs / Pack<br>Koli Adedi | Package Vol.<br>Koli Hacmi<br>(m³) | Package<br>Weight<br>Koli Ağırlığı<br>(kg) |
|----------------------|---------------------------------------|-------------------------------------------------|----------------------|---------------------|----------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------|--------------------------|------------------------------------|--------------------------------------------|
| ROTTA 24 LED         | 4000K CRI70                           | SYM5                                            | 700                  | 52                  | 8060                                                     | 155                                    | 0,116m²                                                                             | 522x258x206                              | 6,1                       | 1                        | 0,035                              | 7,7                                        |
| ROTTA 48 LED         | 4000K CRI70                           | SYM5                                            | 700                  | 103                 | 16686                                                    | 162                                    | 0,116m²                                                                             | 522x258x206                              | 6,7                       | 1                        | 0,035                              | 8,8                                        |
| ROTTA 72 LED         | 4000K CRI70                           | SYM5                                            | 700                  | 154                 | 24794                                                    | 161                                    | 0,116m²                                                                             | 522x258x206                              | 7                         | 1                        | 0,035                              | 8,6                                        |
| ROTTA 96 LED         | 4000K CRI70                           | SYM5                                            | 700                  | 205                 | 31980                                                    | 156                                    | 0,116m²                                                                             | 522x258x206                              | 8                         | 1                        | 0,035                              | 9,6                                        |
| ROTTA 144 LED        | 4000K CRI70                           | SYM5                                            | 700                  | 308                 | 49896                                                    | 162                                    | 0,241m²                                                                             | 629x476x195                              | 13,4                      | 1                        | 0,067                              | 15                                         |
| ROTTA 192 LED        | 4000K CRI70                           | SYM5                                            | 700                  | 410                 | 63960                                                    | 156                                    | 0,241m²                                                                             | 629x476x195                              | 14                        | 1                        | 0,067                              | 15,6                                       |

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