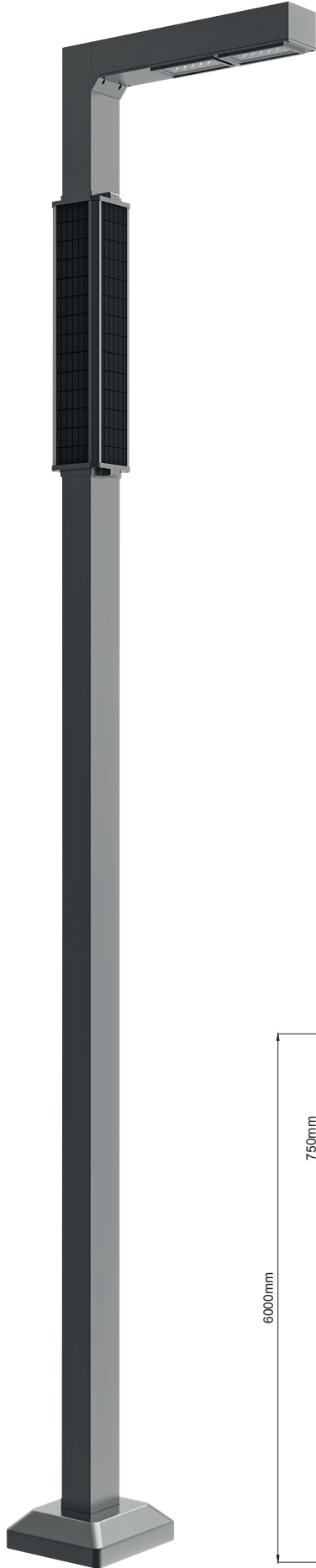


# Sonic Solar



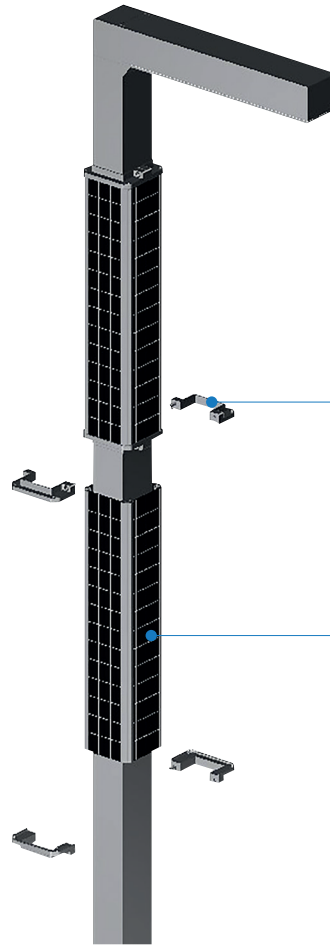
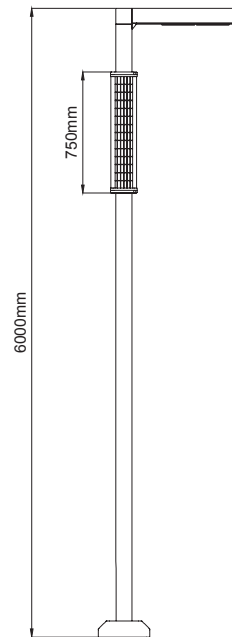
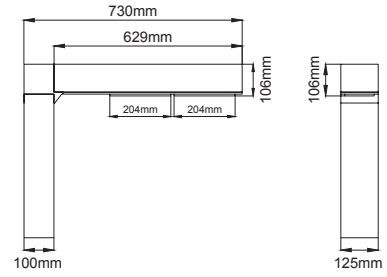
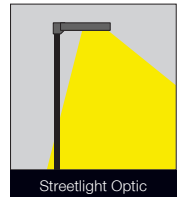
PBS SASO CB LVD ENEC CE IP66 IK08

LED A A+ A++

CRI 70 CRI 80

0° 0°

White = 01 Light Grey = 04 Textured Metallic Dark Grey = 05 Black = 03



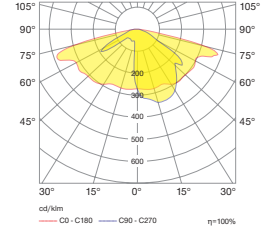
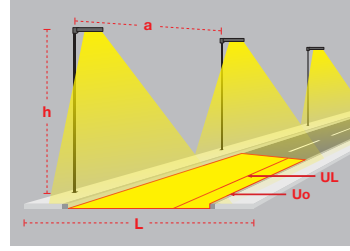
Solar Panel installation accessory.  
Direk üstünde Solar Panel montaj aksesuarı.

Flat rectangle form Solar Panel convenient to be mounted on pole.  
Direğe montaja uygun düz dikdörtgen form solar panel.

# Sonic Solar

## Sonic Solar / O07.ST.27415

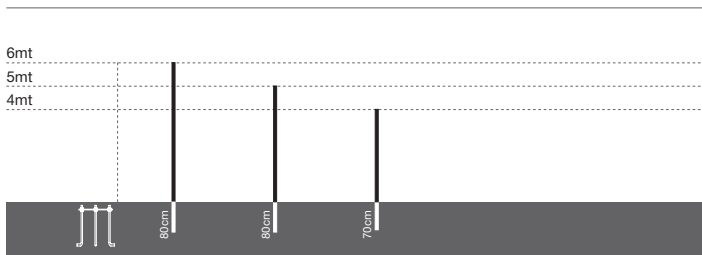
System Power / Sistem Gücü		20W
Lumen Output from Fixture / Armatür Çıkış Lümeni CRI>80	4000K	3230lm
Max. Pole Distance / Max. Direk Açıklığı (a)		34m
Max. Pole Height / Max. Direk Yüksekliği (h)		6m
Max. Road Width / Max. Yol Genişliği (L)		3.5m
Lighting Class / Aydınlatma Sınıfı		P3



Product Data / Armatür Data	
Item No / Ürün Kod	O07.ST.27415.20.840.05
Family Name / Aile Adı	Sonic Solar
Material / Malzeme	Die-Cast Aluminium / Alüminyum Enjeksiyon
Lifetime LED / LED Ömrü	L70 / B50 50000 h
Optic / Optik	Asymmetric Streetlight LENS / Asimetrik Sokak Aydınlatma Lensi
PV Panel Power / PV Panel Gücü	80W
Panel Type / Panel Tipi	MonoCrystal
Solar Panel Voltage / Solar Panel Voltajı	18V
PV Panel Efficiency / PV Panel Verimi	21%
Luminaire Power / Armatür Gücü	20W
Led Panel Voltage / Led Panel Voltajı	32V
Number of LEDs / Led Sayısı	24 Pcs / 24 Adet
PCB / Devre	12S2P
LED Type / Led Tipi	3535
Lumen / Lümen	3230lm
Luminaire Efficiency / Armatür Verim	162lm/W
CRI	70
Battery Power / Batarya Gücü	230W
Battery Voltage / Batarya Voltajı	12,8V
Battery Current / Batarya Akımı	18A
Battery Type / Batarya Tipi	LiFePO4
Battery Lifetime / Batarya Ömrü	3000
Controller / Kontrolcü Tipi	MPPT
Operating Hours without Sunshine / Bulutlu Gün Çalışma Süresi	45 hours / 45 saat
Ambient Working Temperature / Çalışma Sıcaklığı	-20°C / +50°C
Protection Rating / Koruma	IP66

### Advised Pole Heights for Sonic Solar with advised anchorage lengths /

Sonic Solar için tavsiye edilen direk ve ankraj yükseklikleri



Lithium-ion Lithium-ion based battery packs have the added advantage that they have a higher power density than lead, which means they have more available power for the same mass of a lead battery. This advantage, combined with the longer life expectancy and higher rate of depth of discharge (DOD), offering an attractive option for solar lighting applications, resulting in a longer lifetime. All Lithium-ion energy storage packs have an integrated Battery Management System (BMS) which monitors the health, charging and discharging of the energy storage pack. This safeguards the cells so that they are not over charged or discharged, maximising their lifetime. Battery pack operating temperature: -20°C to +60°C. We can offer to our customers both option either to place the battery inside ground or inside pole.

Lityum-ion batarya teknolojisi ile daha küçük boyutta piller ile daha yüksek enerji elde edilebiliyor. Bu teknoloji solar aydınlatma armatürlerinde daha uzun ömür ve lümen çıkışı sağlamakta. Tüm Lityum-ion enerji depolama ünitelerinde Batarya Kontrol Sistemi (BMS) sistemi bulunmakta olup, bataryaların ömrünü ve çalışma verimini gözlemlene imkanı sunmakta olup fazla veya az şarj olma veya enerjinin boşalması gibi sorunların önüne geçilmektedir. Batarya -20° ile +60° sıcaklıklarında çalışabilmektedir. Müşterilerimize bataryayı ister toprak altına, ister direk içine saklama imkanı sunabiliyoruz.