

## OPENPARK TECHNOLOGIES

### *Traffic Signal Head*



#### CASHLESS

Hustle free entry and exit, no congestions, no cash problems, no consumables, e-bill is sent as SMS or Push notification to OpenPark mobile app

#### MOBILE

Navigate to the nearest free spot, less traffic congestions, less air pollution, less time lost searching for a free parking spot

## FACILITY TYPES



#### Commercial

OP Terminals can control access and guarantee revenues collection efficiently



#### Private

OP Terminals can keep your privacy while offering seamless access



#### Public streets

Standing on the roadside can act as efficient parking meters



#### Mix use

Complex integration with IOT link for all types of facilities

#### TRANSPARENCY

Municipalities, parking operators and car drivers are all sharing the same platform. No random fees are requested, no cash is lost, no stress, electronic payments are collected instantly.

#### IOT COMPLIANT

All OpenPark smart devices can communicate directly through MQTT protocol to any industry standard IOT platform or City Operation Center

Here is the reason why  
**WHY CHOOSE US**



OpenPark solution is developed from the ground up for modern smart city architecture taking in consideration the latest technologies for seamless mobility integration



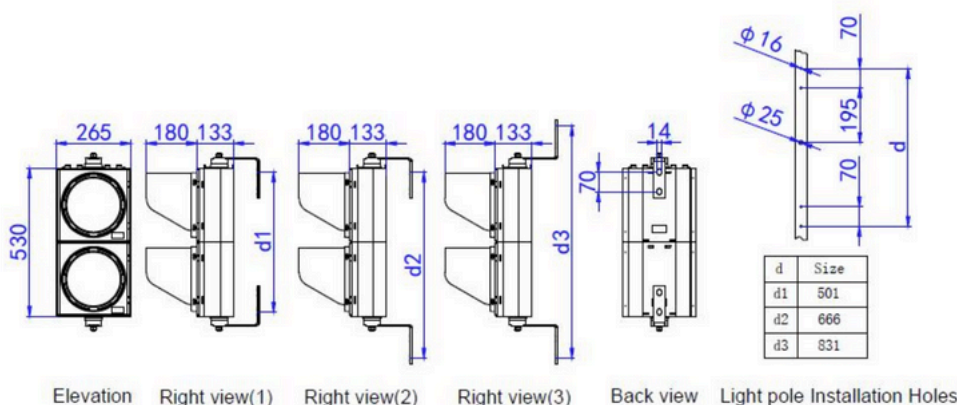
# SMART GATE BARRIER

OpenPark Smart Gate Barrier integrates seamlessly in any smart parking solution through IOT standard protocols as well as OpenPark integrated solution

## MAIN FEATURES

- Application – urban traffic signaling
- Wide operating voltage
- Incandescent-look polycarbonate tinted lens
- Optical fresnel lens for even light distribution
- Anti-phantom effect minimized, optimal viewing angle
- Excellent optical performance with high brightness SMD LED
- Low energy consumption with LED light source
- Long life cycle – more than 80,000 working hours
- Highly durable polycarbonate housing, UV-light resistant
- Modular design – easy installation and maintenance
- Easy access using of snap-in open system
- Fixation system with L-shaped/arm-shaped mounting brackets
- Compliance with CE, EN12368, ISO9001

Color	Qty. leds	Intensity	Wave length	Consumption
Red	3pcs	≥700cd	615~630nm	≤7W
Green	3pcs	≥800cd	500~510nm	≤10W



## ORDER INFORMATION

- [ST-200H] RG 200mm LED ball traffic signal head
- [ST-300H] RGY 300mm LED ball traffic signal head

## CONTACTS

**OpenPark Technologies Kft**  
**HQ:** Szechenyi Istvan ter 7-8. 1051  
 Budapest  
 Tel: +3618001909, +36702175650

**Factory:** Finn utca 2, 7630 ,Pécs, Hungary

# OPENPARK

Traffic signal heads 2 or 3 Balls 200mm or 300mm

## TECHNICAL SPECIFICATIONS

Characteristics	Range	Details/Notes
Input voltage	AC85V-265V, 50/60Hz DC12-24V or AC42V Optional	Voltage Auto-range
Switch on time	≤ 75 ms	Contemplates <b>EN12368</b>
Switch off voltage	70-75VAC	Contemplates <b>EN12368</b>
Power factor	≥ 0.9 (Except 12~24VDC)	Contemplates <b>EN12368</b>
THD	< 20%	Contemplates <b>EN12368</b>
EMC	EN 50293 Acc. EN61000-4-2 Acc. EN61000-4-3 Acc. EN61000-4-4 Acc. EN61000-4-5	Electrostatic discharge immunity -- 4 kV RF field strength susceptibility -- 80-1000MHz 10V/m Burst Immunity – 1KV Surge immunity -- 3000V (L-L/L-E)
Optical performance	Type W, N B3/2, B2/2 Type M A3/2, A2/2	Acc. EN12368 3/2 - Min: 400 cd / Max: 2500 cd. 2/2 - Min: 200 cd / Max: 2000 cd.
View angle	L/R-30°D-20°	Contemplates <b>EN12368</b>
View distance	≥ 300 meters	
Mechanical vibration	Acc.to EN60068-2-64	Test 120 min each axis (X, Y, Z), sweep 10 Hz to 200 Hz.
Impact resistance	IK 08 Acc.to IEC 62262 IR 3 Acc. EN60598 4.13.4	Test against a ball of 1.7 kgs at 295mm (5 J) Test against a ball of 0.51kgs at 1300mm (6.5J)
Resistance against dust and water	IP55-IEC60529	Contemplates <b>EN12368</b>
Colding and heating test	EN60068-2-2 EN60068-2-1 EN60068-2-30	Contemplates <b>EN12368 (Class A/B/C)</b> Actual working temperature: -40°C to +80°C
Conditioning	72 Hrs.	Flashing testing + steady on testing
Lens/Housing/Visor	Polycarbonate	UV resistant
Housing/visor color	Black	Other color available based on qty request
Open housing system	yes	Sprang open
Fixing door system	yes	Snap in
Door edge seal material	yes	Neoprene
Wire terminals	No	Y/I type wire terminals optional
Wire AWG	20 AWG	600V +105c°
Terminal block	Splicing connector	Screw terminal block - optional
Installation bracket	Aluminum arm bracket	Or L-shaped bracket - galvanized cold-rolled sheet
Warranty	3 years	

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