

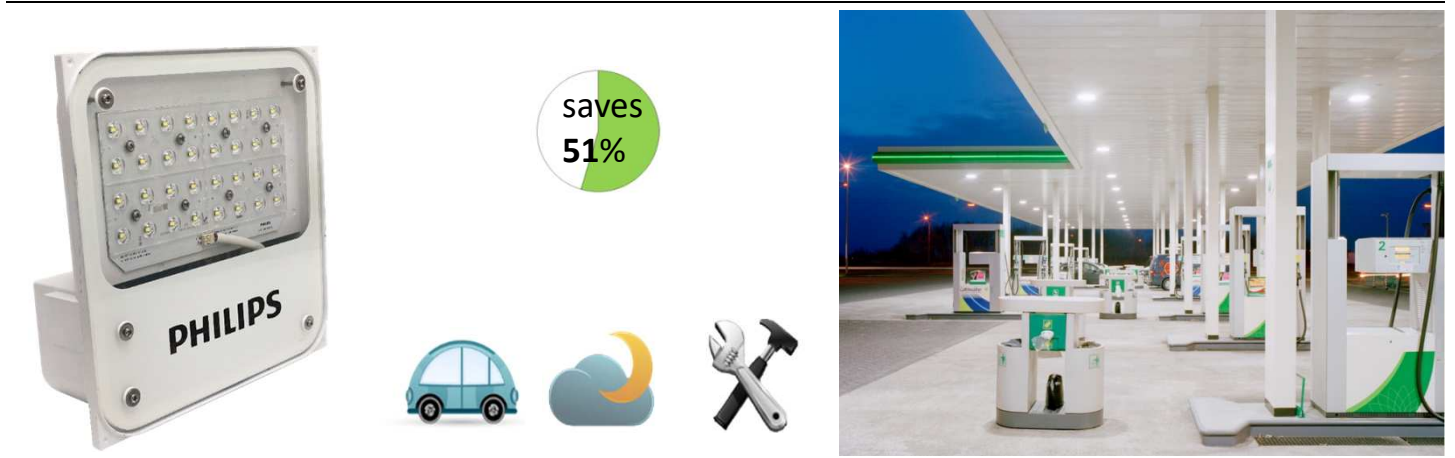


Mini 200 (BY286V)

*Under Canopy System for
Canopy Lighting applications*



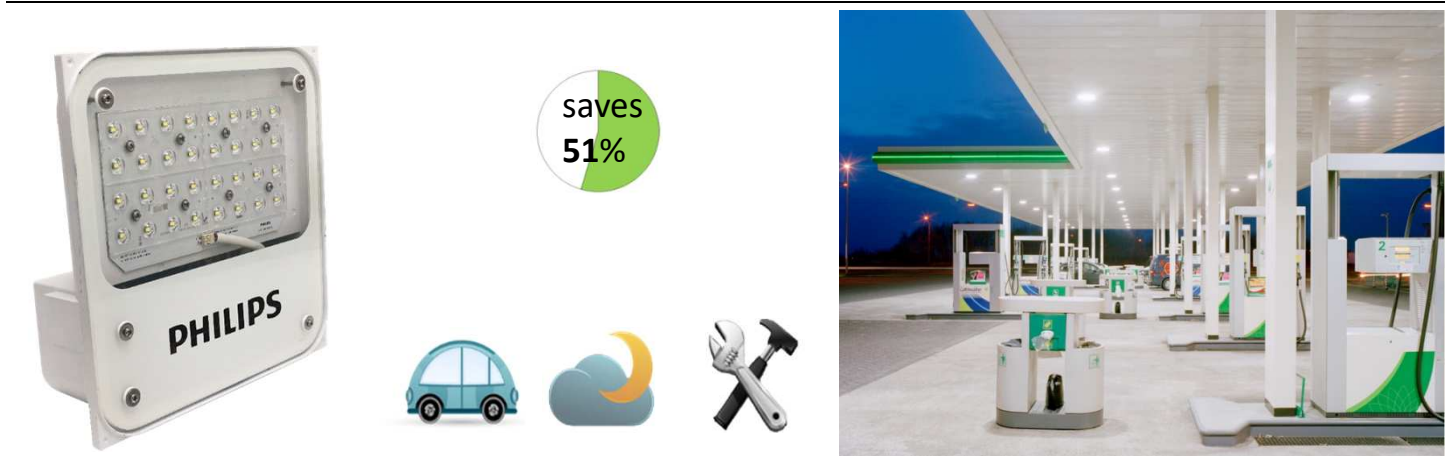
Mini 200 (BY286V)



Features & Benefits

- **Energy Savings:**
 - Best in class luminous efficacy of ~130lm/W (in 9000lm ver.)
 - >51% energy savings compared to conventional HID system MPF900 and 20% brighter with respect to 70W BY400
 - THD<10% results in higher power factor, lower peak currents and higher efficiency
 - Comes in DALI variant also for additional energy savings
- **Robust and Reliable**
 - Aluminum die-cast housing with unique fin design provides excellent thermal management and corrosion resistance
 - Wide operating voltage range of 140-270V with high voltage cutoff at 320V and auto restart feature
 - 8 hrs. protection for phase to phase 440V; 4kV surge protection
 - IP65 rated to protect from ingress of dust, solid object and moisture; IK08 rated to protect from external impact
 - Long Life of 50,000 hrs. @L70B50

Mini 200 (BY286V)



Features & Benefits

- **Precision Optics with two choices:** Increases visibility and safety at night by providing better horizontal and vertical lighting levels thru symmetrical/ asymmetrical light distribution options
- **Versatile:**
 - Two lumen packages
 - Two optic choices to meet different application requirements
 - Three mounting options recessed/surface/suspended
- **Superior light Quality:**
 - SDCM<5 ensures color consistency
 - CRI≥70 good color rendering

Applications

Key application: Petrol stations

- Under canopy
- Approaches
- Side areas



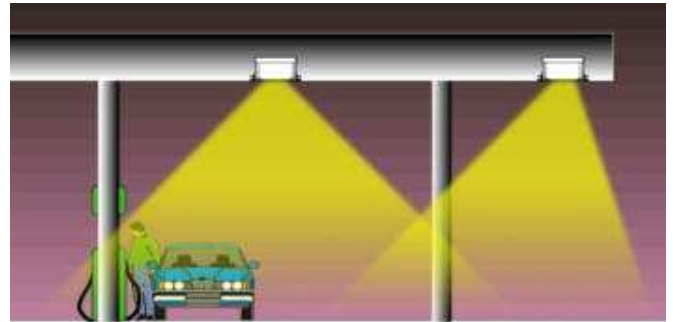
Other applications

- Industrial facilities
- Shopping centers
- Indoor Sports Complex
- Community centers

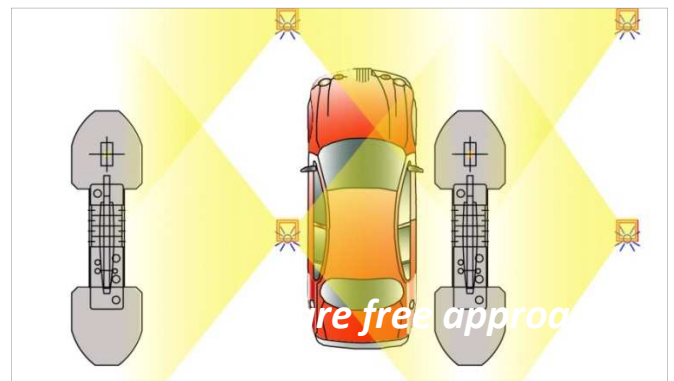
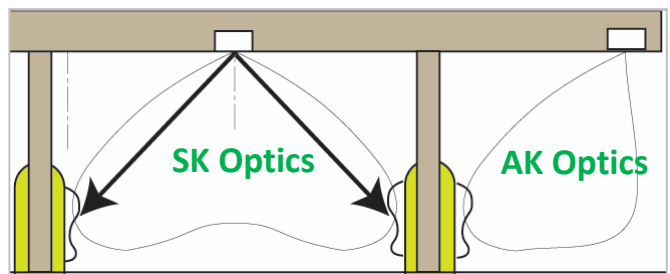


Professional Optics: Best Lighting Effect

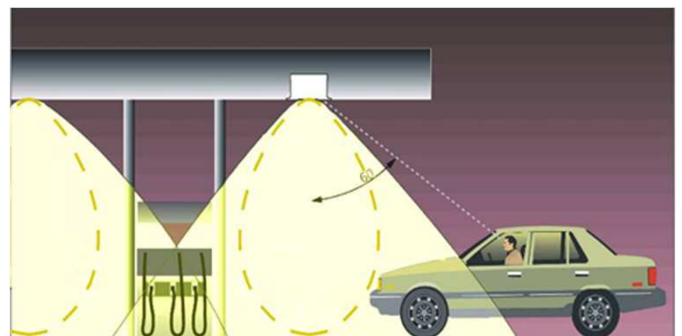
- Enhancing vertical lighting effect to enable better meter reading
- Two Optics – symmetrical optics for central area and asymmetrical optics for side areas
- Asymmetrical optics to concentrate effective rays in petrol station
- Glare-free design to improve comfort
- Improving outdoor illumination at your gas station to improve overall curb appeal



vertical >250lx at pump



horizontal >250lx



Mounting possibilities



BY286V
Recessed



BY286V
Surface



BY286V
Suspended



Design Aspects

Philips Xitanium® driver

- 4KV internal surge protection
- High Voltage cutoff & auto restart @320V
- Phase to phase 440V protection for 8 hours



High-quality die-cast aluminum housing
(Excellent corrosion resistance and robustness)

Toughened Glass comes with IK08 protection



Optimum Fins design for excellent heat dissipation



- High-efficiency LED module with CRI 70
- Specialized Lens plate comes with Symmetric/Asymmetric Distribution

Conventional Comparison



MPF900



BY286V

Lamp Wattage	150W	NA
System Wattage	165W	80/70W
Lamp Lumen Output	14500lm	NA
Light Output Ratio (LOR)	65%	100%
System Lumen Output	9,500	8,500/ 9,000
Total Energy Saving (almost same lux level)		>51%

Note: For retrofit in existing plants, please validate the present lux level and decide the most optimum offering from Mini200 Family

Specifications

Type	BY286V	
System Lumen	8500lm	9000lm
System Power	80W	70W
System efficacy	~106 lm/W	~130lm/W
CCT	5700K (cool white)	
CRI	CRI ≥ 70	
Color consistency	SDCM < 5	
Optics choice	SK-WB; AK-WB	
IP rating	IP65	
IK rating	IK08	
Electrical Class	Class I	
Power factor	> 0.95	
Input Voltage	140-270V; high voltage cutoff and restart @320V	
Surge	L,N-GND 4KV	
THD	<10%	
Driver	Fixed; DALI (option)	
Temperature	-10°C to 45°C	
Lifetime L70B50(hrs.)	50,000hrs@Ta45°C	
Serviceability	Class B (driver replaceable)	
Material	Housing: Aluminum Die-casting; Cover: Tempered glass of high transmittance; Lens: PC	
Dimensions (LXWXH)	270mm X 270mm X 90mm	
Mounting	Recessed/Surface/Suspended	
Weight	4.5 kgs	

How to read Cat. Ref.

BY286V LED90S CW SK PSU FG WH
1 2 3 4 5 6 7

1 Product family code

2 System output

LED90S: 9000 lm / **LED85S**: 8500 lm

3 Color temperature

CW: 5700K

4 Optics

SK: Symmetric Optics IN PS 50° / **AK**: Asymmetric Optics IN PS 35°

5 Controls

PSU: Fixed **PSD**: Dali

6 Front Cover

FG: Toughened Extra clear glass

7 Luminaire Color

WH: White Color

Ordering Data

Sl. No	12 NC	Description	Spare Driver 12NC
1	919515812896	BY286V LED90S CW SK PSU FG WH	929001478306
2	919515812897	BY286V LED90S CW AK PSU FG WH	929001478306
3	919515812898	BY286V LED85S CW SK PSU FG WH	929001478506
4	919515812899	BY286V LED85S CW AK PSU FG WH	929001478506
5	919515812998	BY286V LED90S CW SK PSD FG WH	929000799713
6	919515812999	BY286V LED90S CW AK PSD FG WH	929000799713
7	919515813001	BY286V LED85S CW SK PSD FG WH	929000799613
8	919515813002	BY286V LED85S CW AK PSD FG WH	929000799613

Accessories Recess/Surface/Suspended

919815810082	AC286B WH
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Check for updated 12NC before ordering