



PRECISION Z SPOTLIGHT



PRECISION Z FLOODLIGHT



\*For permanently submersible applications, please inquire about brass housing.

## PRECISION Z: 1W SPOTLIGHT / FLOODLIGHT

The Precision Z produces a clean point-source light equivalent to traditional 20W halogen fixtures in a highly energy and space efficient package. The luminaire's modular design allows it to be swapped with other fixtures without the hassle of cutting wires, allowing for fast design changes and reconfiguration. The industrially designed machined aluminum chassis gives the Precision Z an elegant form yet functions as a rugged shell and heat sink to protect the LED and core electronics even in outdoor and underwater environments. Internal driver circuitry ensures constant output over a wide range of input voltage and extends the LED life beyond 50,000 hours.

## FEATURES

- ✓ Perfect for space constrained applications
- ✓ Available in a range of rich colors
- ✓ 95% energy savings compared to 20W halogen lamp
- ✓ Low voltage and minimal heat for improved safety over incandescent sources
- ✓ Internal constant current driver gives highly efficient and consistent output
- ✓ Dimmable using PWM power input from external constant voltage dimmer (10%-100%)
- ✓ Easy installation and reconfiguration
- ✓ Dual polarity input
- ✓ Minimal maintenance required with over 50,000 hour lamp life
- ✓ Indoor and outdoor use

## SPECIFICATIONS

MAX WATTAGE	1.5W
INPUT VOLTAGE	9-15VDC (12VDC nominal)
CURRENT DRAW	125mA @ 12VDC
POWER SUPPLY	Class 2 transformer or battery
BEAM ANGLE	Spotlight: 11° Floodlight: 62°
FIELD ANGLE	Spotlight: 32° Floodlight: 84°
INGRESS PROTECTION	IP68 - 3ft
LED	Edison A Series
EXTERIOR FINISH	Black anodized aluminum
CERTIFICATIONS	UL and CE
POWER CONNECTION	2.1mm ID / 5.5mm OD DC jack with screw terminal adapter

## SKU NUMBER

Precision Z Spotlight - Red	PR11
Precision Z Spotlight - Green	PR12
Precision Z Spotlight - Blue	PR13
Precision Z Spotlight - Amber	PR14
Precision Z Spotlight - Cool White	PR15
Precision Z Spotlight - Warm White	PR16
Precision Z Spotlight - Ultraviolet	PR17
Precision Z Floodlight - Red	PR21
Precision Z Floodlight - Green	PR22
Precision Z Floodlight - Blue	PR23
Precision Z Floodlight - Amber	PR24
Precision Z Floodlight - Cool White	PR25
Precision Z Floodlight - Warm White	PR26

**SPOTLIGHT OUTPUT**

Distance	Center Brightness		Beam Width
	Cool White	Warm White	
1.0m (3.3ft)	883lx (82.0fc)	517lx (48.0fc)	0.2m (0.7ft)
2.0m (6.6ft)	221lx (20.5fc)	132lx (20.5fc)	0.4m (1.3ft)
3.0m (9.9ft)	100lx (9.3fc)	65lx (6.0fc)	0.6m (2.0ft)

**FLOODLIGHT OUTPUT**

Distance	Center Brightness		Beam Width
	Cool White	Warm White	
1.0m (3.3ft)	66lx (6.1fc)	35lx (3.3fc)	1.2m (3.9ft)
2.0m (6.6ft)	15lx (1.4fc)	8lx (0.7fc)	2.4m (7.9ft)
3.0m (9.9ft)	5lx (.5fc)	2lx (0.2fc)	3.6m (11.8ft)

