



**FP7600 Nightstar Series Photocontrols**

The FP7600 Nightstar Series is designed from the ground up with an advanced Silicon phototransistor with electronic circuitry. The FP7600 series is for use with HID luminaire operations and is not susceptible to operational "drift" caused by harsh environments or by overheating. Extended life is achieved through a non-chatter load break from a low power consumption DC circuit.

**Features**

- Meets or exceeds ANSI C136.10
- Proven DC circuit design
- Close 1:1.5 On to Off operating ratio
- Non-chatter load break
- Phototransistor maintains operational levels throughout its life
- 12 year expected life
- Low power consumption = extended life
- Close ratio reduces burning hours at sunrise
- Significantly reduced energy and maintenance costs

**Specifications**

<b>Housing:</b>	UV stabilized, impact resistant polypropylene
<b>Base:</b>	High temperature ABS
<b>Contact Blades:</b>	Solid brass, three prong, locking type
<b>Gasket:</b>	Cross linked polyethylene
<b>Packaging:</b>	Individual units are sealed in water resistant plastic
<b>Weight:</b>	3.0 oz. each, 20 lbs. per 100 unit carton
<b>Size:</b>	16" x 16" x 12" per 100 unit carton

**Operating Voltage**

<b>Load Rating:</b>	1000 Watt tungsten, 1800 VA
<b>Life at rated load:</b>	5,000 Operations (13.7Years)
<b>Power Consumption:</b>	1.0 watts average @ 120 volts 1.6 watts average @ 208 volts 1.9 watts average @ 240 volts 2.1 watts average @ 277 volts
<b>Moisture Resistance:</b>	100% RH
<b>Surge Protections:</b>	• 190 Joule (6,500 Amps) MOV • 380 Joule (10,000 Amps) MOV
<b>Operating Light Levels:</b>	+/- 0.1 fc. from specified turn-on level 1:1.5 Average turn-on to turn-off ratio
<b>Photosensor:</b>	Encapsulated phototransistor
<b>Dielectric Strength:</b>	5,000 Volts between any current carrying part
<b>Ambient Temp. Range:</b>	-40°C to +70°C (-40°F to + 158°F)

**Ordering Information**

**FP7671C - M C B C**

Operating Voltage	
FP7671B	105 - 130 Vac
FP7671C	105 - 130 Vac
FP7672B	185 - 305 Vac
FP7672C	185 - 305 Vac
FP7673B	105 - 305 Vac
FP7673C	105 - 305 Vac
FP7674B	420 - 530 Vac
FP7674C	420 - 530 Vac

Surge Protection	
M	190 Joule
E	380 Joule

Turn-On fc	
B	1.0 fc
C	1.5 fc

On / Off Ratio	
B	1:1.5
C	1:1.5

Globe Cover Color	
A	Gray (120V Std)
B	Maroon (240V Std)
C	Blue (105-305V Std)
D	Black
E	Brown
F	Green
G	Yellow (480V Std)