

**OVERVIEW**

PacLights advanced electronic SE-TLP Series Photocontrol provides a unique, durable, and multi-volt control especially designed for 15 years of operation. It utilises inter-locking base/cap design for excellent environmental housing. High temperature base material, along with a UV stabilised, opaque housing ensure our control will last years without degradation. PacLights uses a process of IR filtering a phototransistor which in turn gives a human eye response along with long-term, drift free light sensing for the life of the control.



**FEATURES**

- Multi-volt operation
- Daylight harvesting models
- Mid-Night dimming models
- High-temperature components
- MOV surge protection
- Meets or exceeds ANSI C136.10
- 5 years warranty

**APPLICATIONS**

Public street lighting, private outdoor lights for parking lots and apartment buildings, Industrial and infrastructure settings.

Type:

Date:

Project:

Prepared By:

**Technical Specifications**

Models	SE-TLP277	SE-TLP480	SE-TLP277DLH	SE-TLP480DLH	SE-TLP277DLM	SE-TLP480DLM
<b>Rated Volts</b>	120-277 VAC, 50/60 Hz	480 VAC, 50/60 Hz	120-277 VAC, 50/60 Hz	480 VAC, 50/60 Hz	120-277 VAC, 50/60 Hz	480 VAC, 50/60 Hz
<b>Light Sensor</b>	IR filtered Phototransistor	IR filtered Phototransistor	IR filtered Phototransistor	IR filtered Phototransistor	IR filtered Phototransistor	IR filtered Phototransistor
<b>Load Rating</b>	1000 Watt Tungsten, 1800 VA	1800 Watt Tungsten, 1800 VA	1000 Watt Tungsten, 1800 VA	1800 Watt Tungsten, 1800 VA	1000 Watt Tungsten, 1800 VA	1800 Watt Tungsten, 1800 VA
<b>Relay</b>	10 Amp General Purpose Relay	10 Amp General Purpose Relay	10 Amp General Purpose Relay	10 Amp General Purpose Relay	10 Amp General Purpose Relay	10 Amp General Purpose Relay
<b>Power Consumption</b>	0.4 Watt	0.5 Watt	approx. 1.2 Watt	approx. 1.2 Watt	approx. 1.2 Watt	approx. 1.2 Watt
<b>Surge Protection</b>	10kA, 460 Joules MOV	10kA, 460 Joules MOV	40kA, 640 Joules MOV	40kA, 640 Joules MOV	40kA, 640 Joules MOV	40kA, 640 Joules MOV
<b>Control</b>	ANSI C136.10 ON/OFF Operations	ANSI C136.10 ON/OFF Operations	ANSI C136.41-2013 ON/OFF and Dimming Operations	ANSI C136.41-2013 ON/OFF and Dimming Operations	ANSI C136.41-2013 ON/OFF and Dimming Operations	ANSI C136.41-2013 ON/OFF and Dimming Operations
<b>Operating Light Level</b>	1.5 Fc ON	1.5 Fc ON	-	-	-	-
<b>Time Delay ON/OFF</b>	Instant ON, 5 second delay OFF	Instant ON, 5 second delay OFF	Instant ON, 5 second delay OFF	Instant ON, 5 second delay OFF	Instant ON, 5 second delay OFF	Instant ON, 5 second delay OFF
<b>OFF/ON Ratio</b>	1.5 : 1	1.5 : 1	-	-	-	-
<b>Mid-Night Dimming</b>	-	-	-	-	Yes, self learning	Yes, self learning
<b>Mid-Night Dimming Duration</b>	-	-	-	-	40% of calculated dusk-to-dawn light cycle	40% of calculated dusk-to-dawn light cycle
<b>Mid-Night Dimming Level</b>	-	-	-	-	40%	40%
<b>Daylight Harvesting Dimming</b>	-	-	Yes, constant dimming	Yes, constant dimming	Yes, constant dimming	Yes, constant dimming
<b>Daylight Harvesting ON/OFF</b>	-	-	5 Fc	5 Fc	5 Fc	5 Fc
<b>Dimming Interface</b>	-	-	0-10v / 1-10v	0-10v / 1-10v	0-10v / 1-10v	0-10v / 1-10v
<b>Dimming Interval</b>	-	-	10 second	10 second	10 second	10 second
<b>Fail Mode</b>	Fail ON	Fail ON	Fail ON	Fail ON	Fail ON	Fail ON
<b>Dimensions</b>	approx. 86mm dia x 56mm high (exclu. plug)	approx. 86mm dia x 56mm high (exclu. plug)	approx. 86mm dia x 76mm high (exclu. plug)	approx. 86mm dia x 76mm high (exclu. plug)	approx. 86mm dia x 76mm high (exclu. plug)	approx. 86mm dia x 76mm high (exclu. plug)
<b>Weight</b>	approx. 85g	approx. 110g	approx. 200g	approx. 230g	approx. 200g	approx. 230g

**Construction**

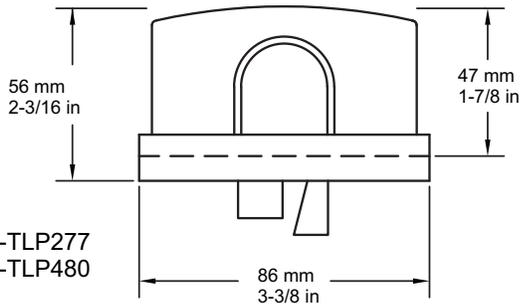
- IP Rating** Ingress Protection rating of IP65 for dust and water
- Ambient Temperature** Suitable for -40° F (-40° C) to 158° F (70° C)
- Related Humidity** up to 99%
- Cover** High impact polypropylene with UV stabilized polycarbonate
- Base and Gasket** High temperature polyester (PBT), silicon gasket
- Connectors** 3-pole locking-type with solid brass legs, and sig.contacts

**Ordering Matrix**

Family	Input Voltage	Function
SE-TLP		[blank] ON/OFF only
	277 120-277v	DLH Daylight Harvesting Dimming
	480 480v	DLM Daylight Harvesting and Mid-Night Dimming

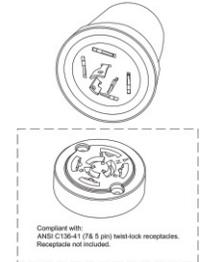
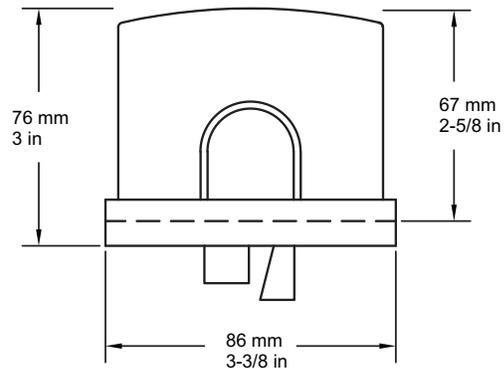
## Dimensions

Works with ANSI C136.10 3-pole,  
or, ANSI C136.41 7-pin & 5-pin  
LOCKING TYPE NEMA RECEPTACLE



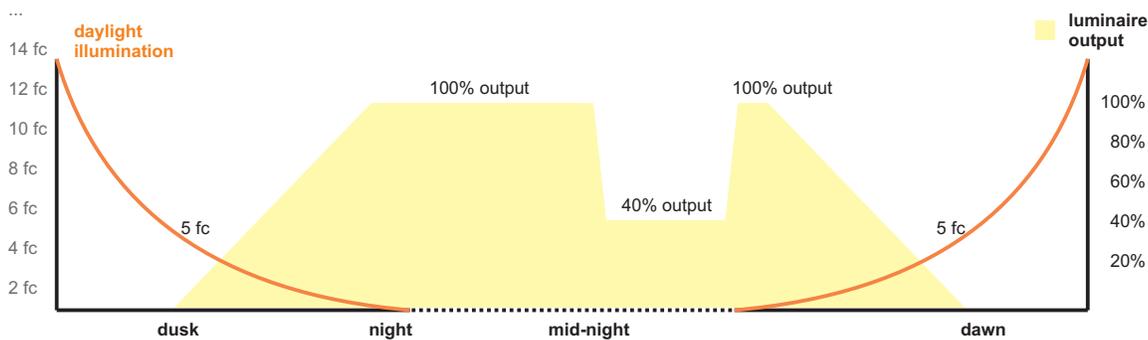
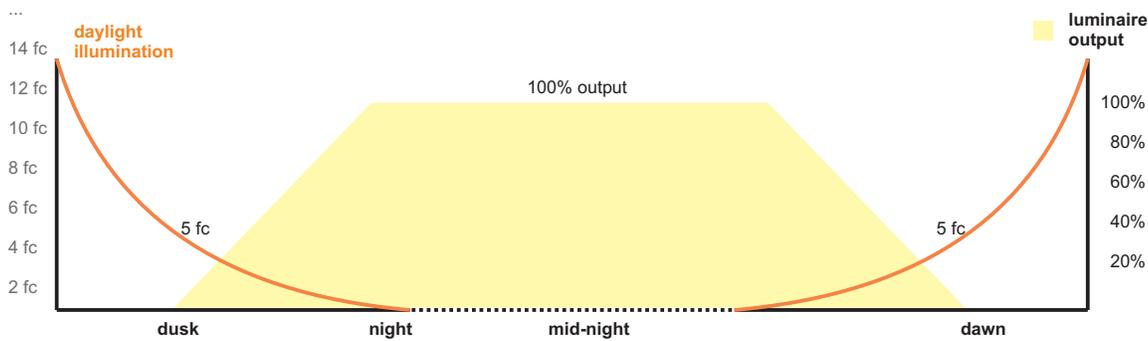
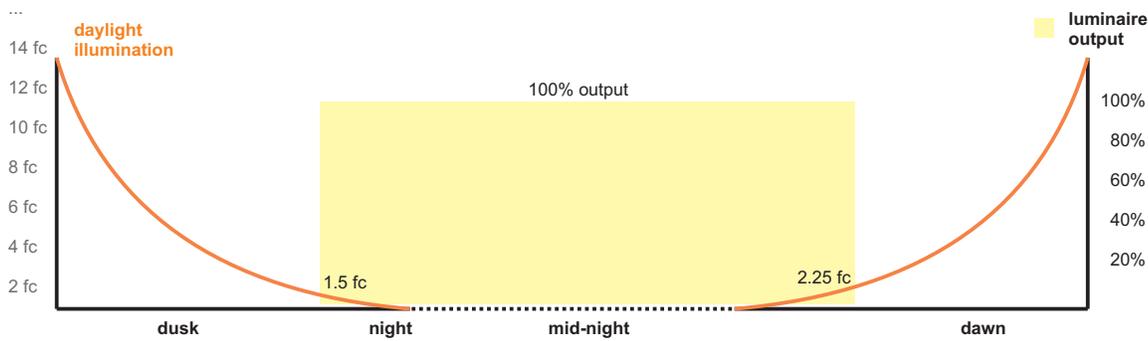
SE-TLP277  
SE-TLP480

Works with ANSI C136.41 7-pin & 5-pin  
LOCKING TYPE NEMA RECEPTACLE



SE-TLP277DLH  
SE-TLP480DLH

SE-TLP277DLM  
SE-TLP480DLM



**% of Light Cycle**      ←      \*      \*      →

50%      40%      10%

Light Cycle is SE-TLP self-learned by calculating daily daylight hours, in order to adjust itself for summer/winter applications.