



KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

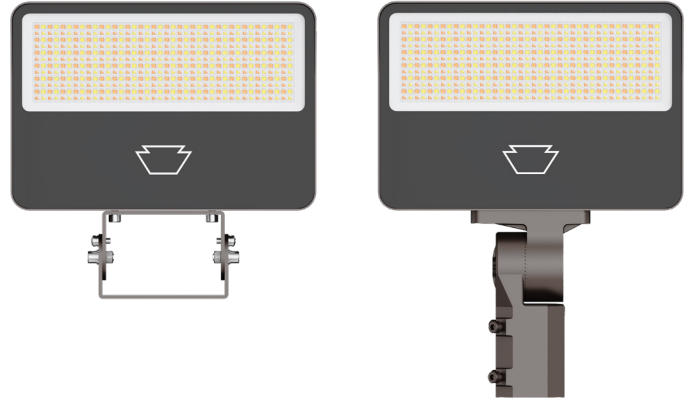
LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

DESCRIPTION

LED Rectangular Floodlight with Self Learning Photocell |
Power Select | Color Select | 120-277V Input |
Two Mounting Options Included | Bronze Finish

APPLICATION

Ground, pole/tenon, or building mount areas with low
nighttime activity and/or a need for increased energy savings.



**5 YEAR
WARRANTY**

PRODUCT FEATURES

- Keystone Power Select technology (see Performance Specifications for details)
- Keystone Color Select technology (3000/4000/5000K)
- Keystone OpticSwitch technology with three different NEMA beam angles
- Built-in photocell that uses Keystone NightTrim technology, an innovative algorithm that saves energy during periods of low activity without the need for Wi-Fi or cloud connectivity
- Includes two mounts in the box:
(1) trunnion and (1) rugged, heavy-duty slipfitter
- Powered by Keystone 0-10V LED driver with 6kV surge protection
- Ambient operation temperature: -40°C/-40°F - 50°C/122°F
- UL 1598 Certified
- Power factor: > 0.95
- THD: < 20%
- LED chip lifetime: L70 > 100,000 hrs @ 25°C
- Meets FCC Part 15B Class B standards for conducted and radiated emissions

PERFORMANCE SPECIFICATIONS OVERVIEW

Catalog Number	NEMA Distribution	Preset Wattage	Preset CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Housing Color	Lifetime
KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM	7H x 6V	100W	5000K	13,240	132 lm/W	120-277V	0-10V	>80	Bronze	50,000hrs
	6H x 6V	100W	5000K	14,812	148 lm/W					
	5H x 5V	100W	5000K	13,020	130 lm/W					

* Color Uniformity: CCT (Correlated Color Temperature) range as per guidelines outlined in ANSI C78.377-2017.



KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

PERFORMANCE SPECIFICATIONS DETAILED

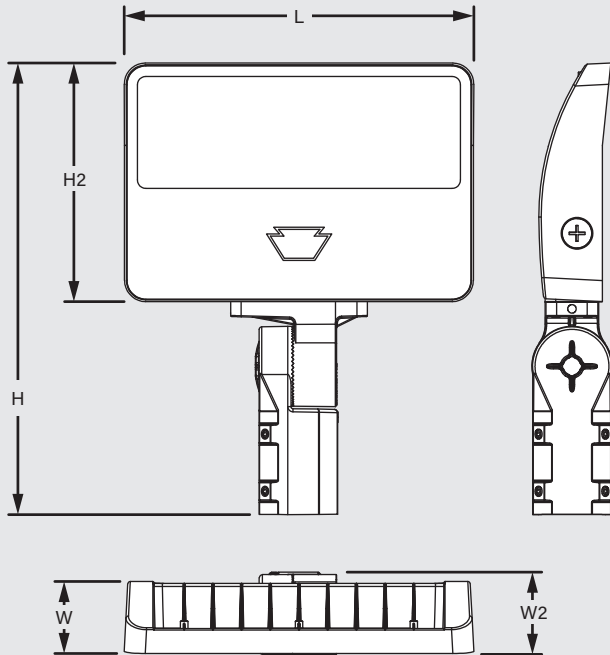
Catalog Number	NEMA Distribution	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimmable	CRI
KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM	7H x 6V	100W	3000K	12,210	122 lm/W	120-277V	0-10V	>80
			4000K	14,410	144 lm/W			
			5000K	13,240	132 lm/W			
		90W	3000K	11,516	128 lm/W			
			4000K	13,226	147 lm/W			
			5000K	12,494	139 lm/W			
		80W	3000K	10,600	133 lm/W			
			4000K	11,935	149 lm/W			
			5000K	11,366	142 lm/W			
	6H x 6V	100W	3000K	13,666	137 lm/W			
			4000K	15,208	152 lm/W			
			5000K	14,812	148 lm/W			
		90W	3000K	12,621	140 lm/W			
			4000K	13,955	155 lm/W			
			5000K	13,642	152 lm/W			
		80W	3000K	11,364	142 lm/W			
			4000K	12,470	156 lm/W			
			5000K	12,286	154 lm/W			
	5H x 5V	100W	3000K	11,960	120 lm/W			
			4000K	14,100	141 lm/W			
			5000K	13,020	130 lm/W			
		90W	3000K	11,213	125 lm/W			
			4000K	12,986	144 lm/W			
			5000K	12,082	134 lm/W			
		80W	3000K	10,194	127 lm/W			
			4000K	11,699	146 lm/W			
			5000K	10,975	137 lm/W			

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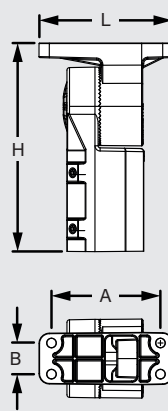
LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

PHYSICAL SPECIFICATIONS

FIXTURE WITH SLIPFITTER MOUNT



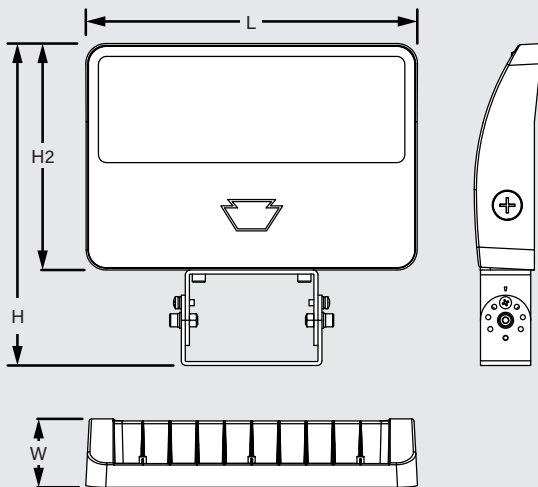
SLIPFITTER MOUNT



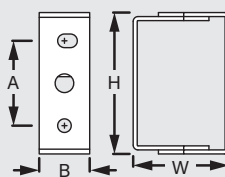
Fixture Dimensions with Mount

L (Length)	12.99"
W (Width)	2.68"
W2 (Width 2)	3.26"
H (Height)	16.79"
H2 (Height 2)	8.88"
Slipfitter Mount Dimensions	
L (Length)	5.08"
H (Height)	7.91"
A	4.13"
B	1.18"

FIXTURE WITH TRUNNION MOUNT

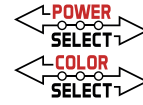


TRUNNION MOUNT



Fixture Dimensions with Mount

L (Length)	12.99"
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Trunnion Mount Dimensions	
H (Height)	5.51"
W (Width)	3.74"
A	3.31"
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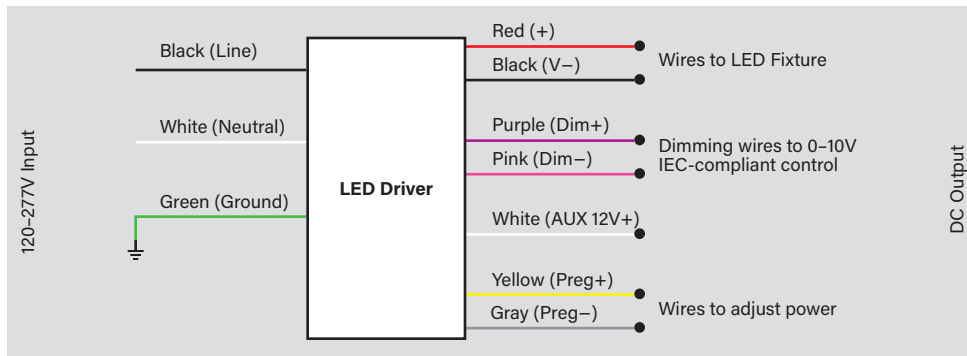


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LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

POWER SELECT (WATTAGE), COLOR SELECT (CCT), AND ECO MODE PHOTOCELL

This fixture is equipped with field-adjustable selectable wattage, selectable CCT, and ECO mode photocell technology.

1. Ensure power is off to the fixture.
2. Unscrew the gasketed cap from the side of the fixture.
3. Adjust dip switches to desired settings. Note: fixture is factory preset to 100W, 5000K, and ECO mode ON.
4. Screw on gasketed cap.
5. Restore power to fixture.



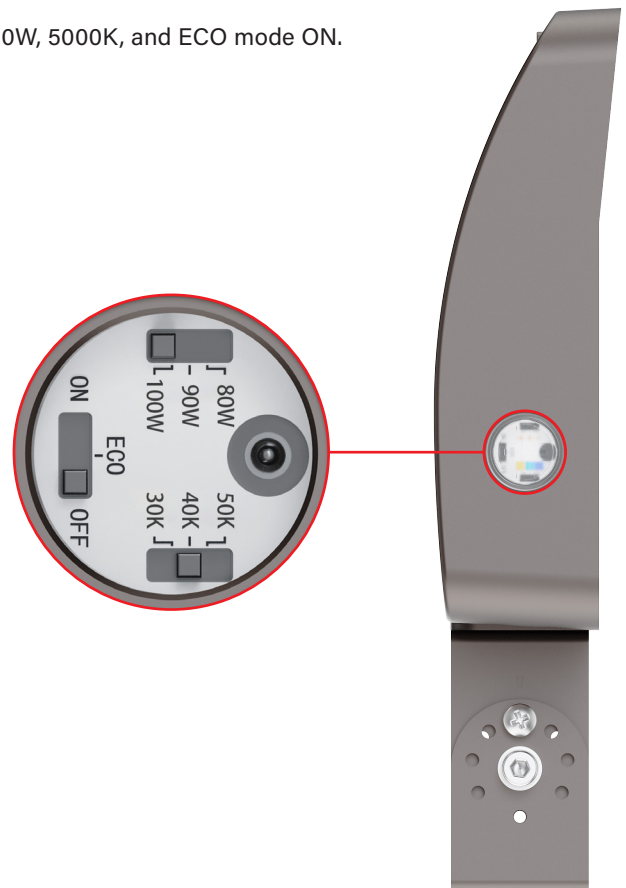
POWER SELECT (WATTAGE) ADJUSTMENT

Adjust the dip switch to change wattage between 100W, 90W, and 80W options.



COLOR SELECT (CCT) ADJUSTMENT

Adjust the dip switch to change CCT between 5000K, 4000K, and 3000K options.





KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

ECO MODE PHOTOCELL

This fixture includes an integrated photocell with Keystone NightTrim technology, a patent-pending feature that provides additional energy savings during deep night hours when outside activity is at its lowest. NightTrim technology utilizes an algorithm-driven controls circuit to adjust for seasonal fluctuations in nighttime duration without the need for manual intervention, external time clocks, or Wi-Fi and cloud connectivity. It's the perfect set-it-and-forget-it solution for those who want the sophistication of a complex platform but need the ease of a standard photocell.

Adjust the dip switch to change ECO Mode Photocell between ON, OFF, and ECO options.

Note: Fixture is factory preset with ECO Mode Photocell ON.



ON Mode (Standard Dusk-to-Dawn Mode)

- At sunset, the fixture automatically illuminates at 100% brightness.
- At sunrise, the fixture automatically turns off.



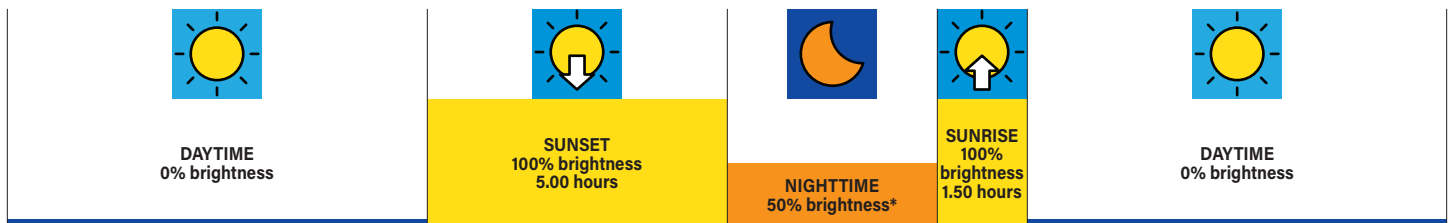
OFF Mode (Continuous Illumination)

- Fixture remains constantly on at 100% brightness, regardless of ambient light conditions.



ECO Mode (Intelligent Energy Optimization)

- The photocell uses an innovative algorithm to adjust the duration of the ON, OFF, and DIM settings without using Wi-Fi or cloud connectivity.



*Fixture automatically dims to 50% after 5 hours of use.
The fixture will stay at 50% brightness until approximately 90 minutes before sunrise.

KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

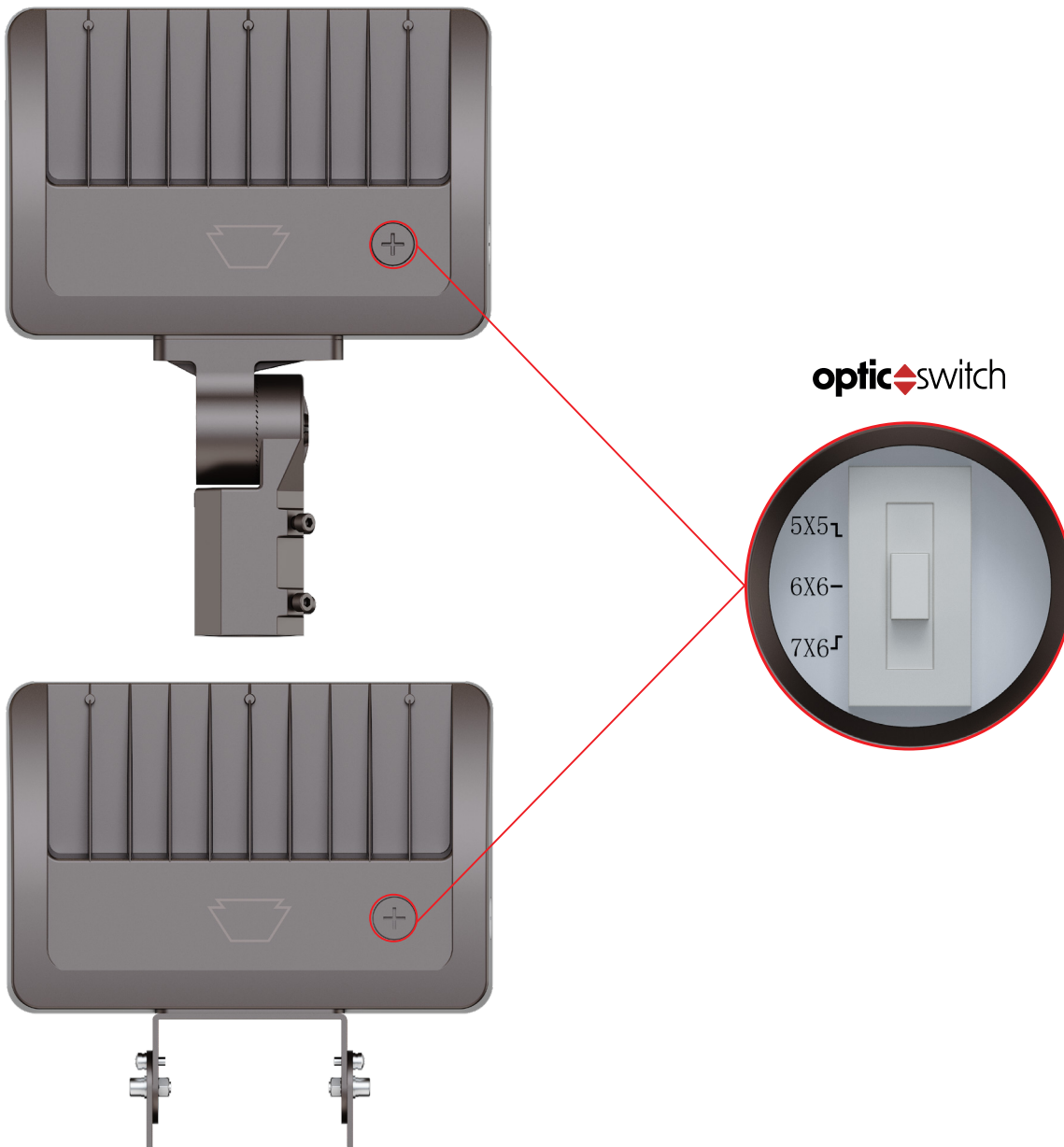
LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

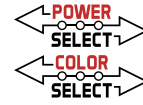
BEAM ANGLE ADJUSTMENT

opticswitch

This fixture is equipped with field-adjustable beam angle.

1. Ensure power is off to the fixture.
2. Unscrew the gasketed cap from the top of the fixture.
3. Adjust the dip switch to change angle between NEMA 7H × 6V, 6H × 6V, and 5H × 5V options.
Note: fixture is factory preset to 7H × 6V option.
4. Screw on gasketed cap.
5. Restore power to fixture.





KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

LED FLOODLIGHT WITH ECO MODE PHOTOCELL AND OPTIC SWITCH TECHNOLOGY

ORDERING INFORMATION

Catalog Number	Description	UPC	Easy Code	DLC Product ID
KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM	100W LED Floodlight with Integrated Eco Mode Photocell Power Select 100/90/80W Color Select 30/40/50K 120-277V Input 0-10V Dimmable Bronze Housing	843654178127	LPB-94	TBD

CATALOG NUMBER BREAKDOWN

KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

1	2	3	4	5	6	7	8	9	10	11	12	13	14
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- 1 Keystone Technologies
- 2 LED Floodlight Fixture
- 3 LED Lamp
- 4 Max Wattage
- 5 Power Select
- 6 Rectangular Shape
- 7 Style Designation
- 8 Electronically Swappable Optics
- 9 Optics Designation
- 10 Universal Mounting
- 11 80 CRI
- 12 Color Select
- 13 Color Select Designation
- 14 0-10V Dimming



KT-FLED100PS-R5-ESO1-UNV-8CSB-VDIM

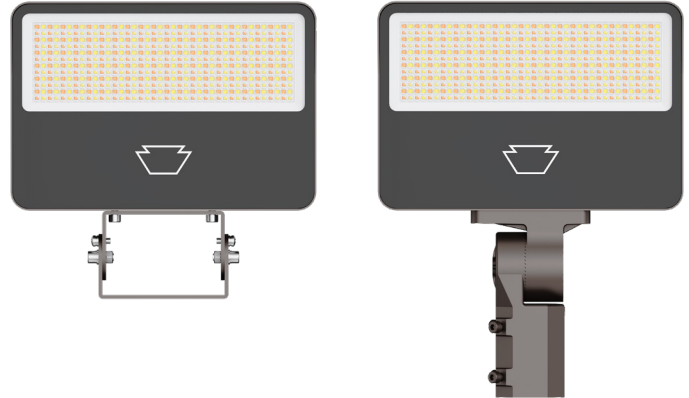
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Power Select | Color Select | 120-277V Input |
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**5 YEAR
WARRANTY**

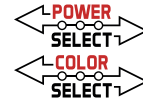
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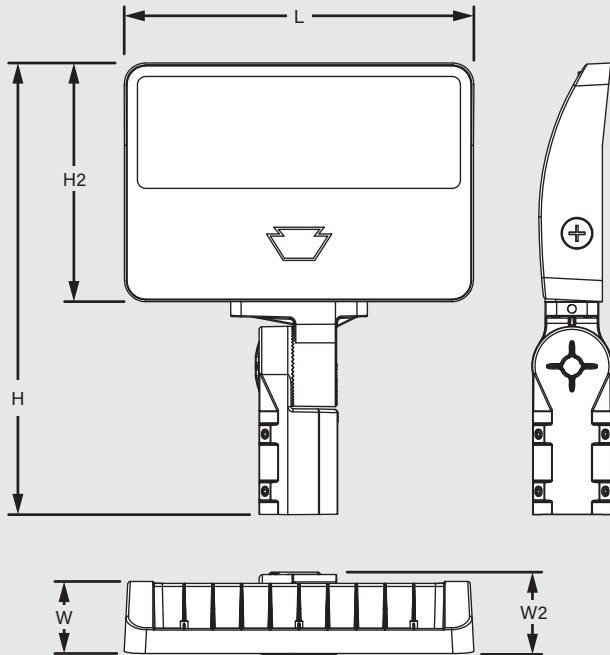
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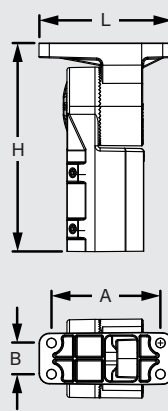
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PHYSICAL SPECIFICATIONS

FIXTURE WITH SLIPFITTER MOUNT



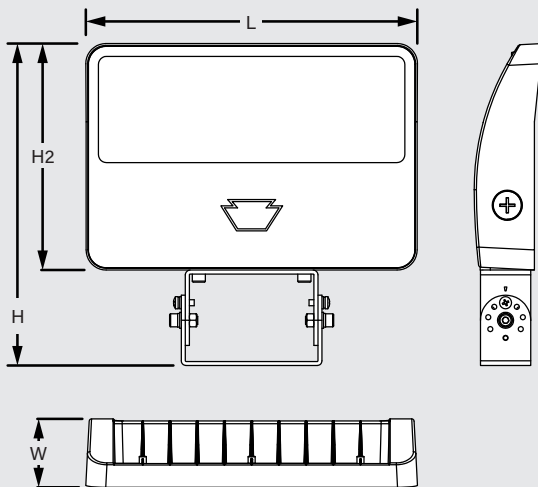
SLIPFITTER MOUNT



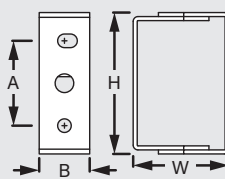
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W (Width)	2.68"
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FIXTURE WITH TRUNNION MOUNT

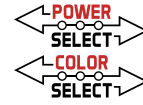


TRUNNION MOUNT



Fixture Dimensions with Mount

L (Length)	12.99"
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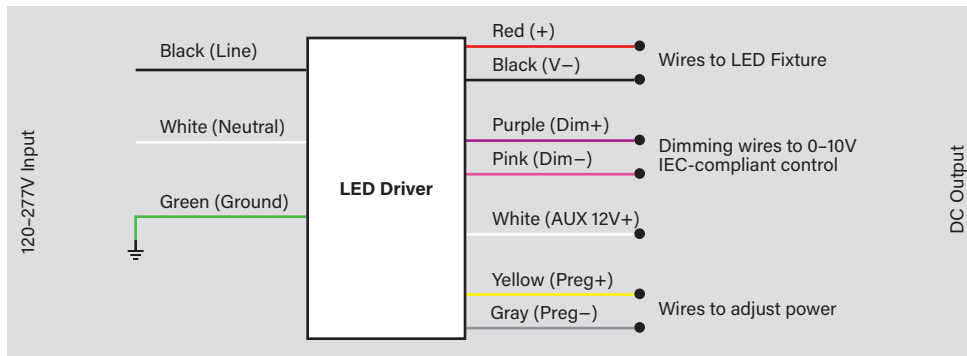


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GENERAL SETUP INSTRUCTIONS

GENERAL WIRING DIAGRAM



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This fixture is equipped with field-adjustable selectable wattage, selectable CCT, and ECO mode photocell technology.

1. Ensure power is off to the fixture.
2. Unscrew the gasketed cap from the side of the fixture.
3. Adjust dip switches to desired settings. Note: fixture is factory preset to 100W, 5000K, and ECO mode ON.
4. Screw on gasketed cap.
5. Restore power to fixture.



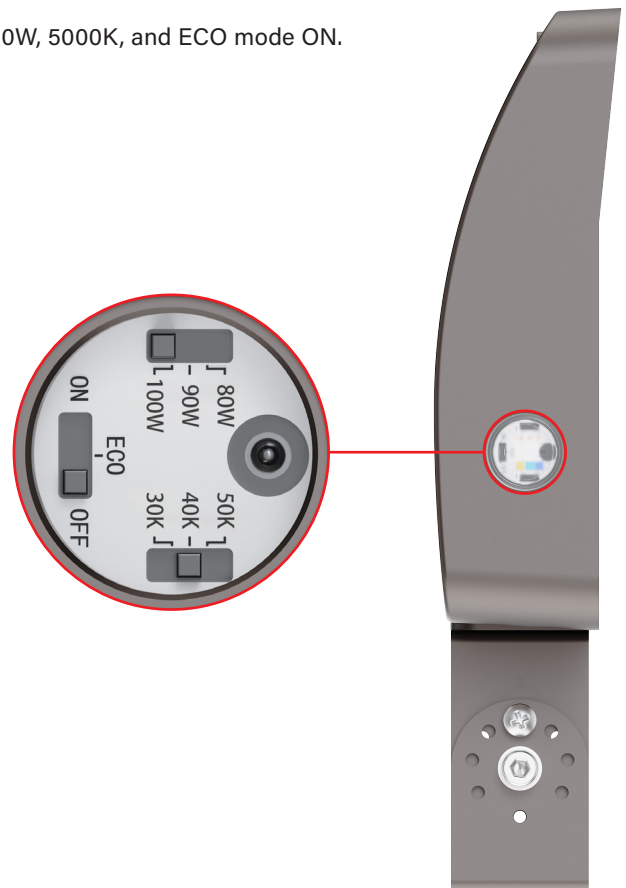
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COLOR SELECT (CCT) ADJUSTMENT

Adjust the dip switch to change CCT between 5000K, 4000K, and 3000K options.





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ECO MODE PHOTOCELL

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ON Mode (Standard Dusk-to-Dawn Mode)

- At sunset, the fixture automatically illuminates at 100% brightness.
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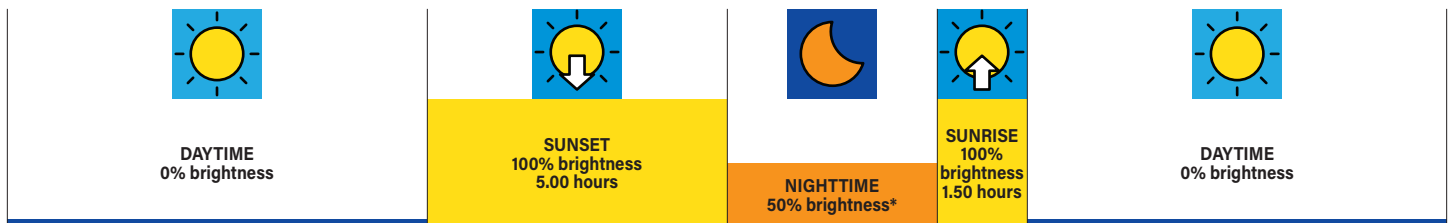
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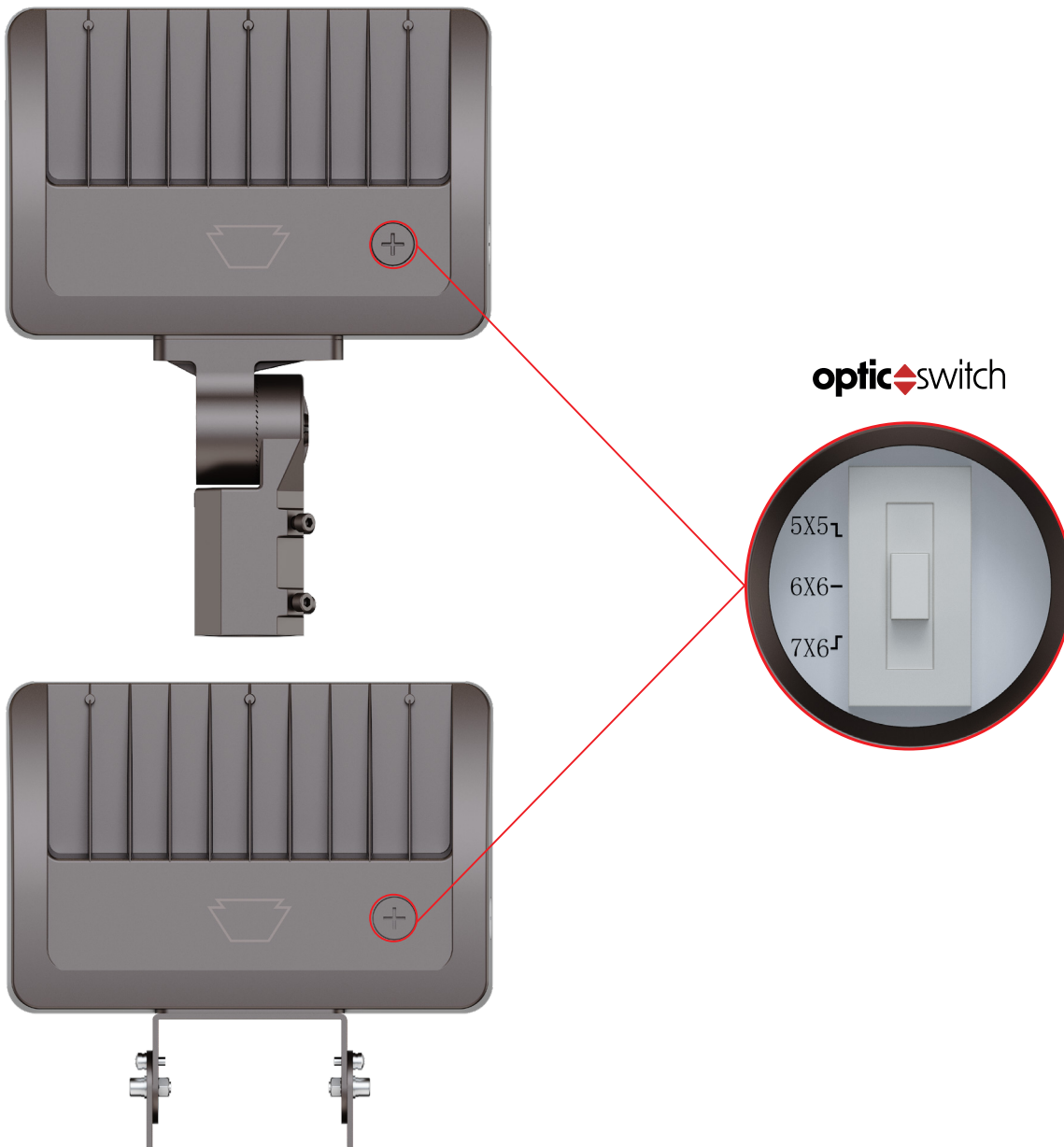
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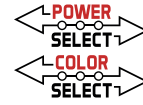
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opticswitch

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3. Adjust the dip switch to change angle between NEMA 7H × 6V, 6H × 6V, and 5H × 5V options.
Note: fixture is factory preset to 7H × 6V option.
4. Screw on gasketed cap.
5. Restore power to fixture.





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- 14 0-10V Dimming