



One Stop Shop for Smart Outdoor and Landscape Lighting

Specifications and Installation Guide for Flood, Washer, and Dock Lights



Specifications of Flood Lights & Wall Washers with MeshTek PWM Controller

Flood Lights – 180W and 80W



180W

Size: L30.5×W12.9×H23.5cm

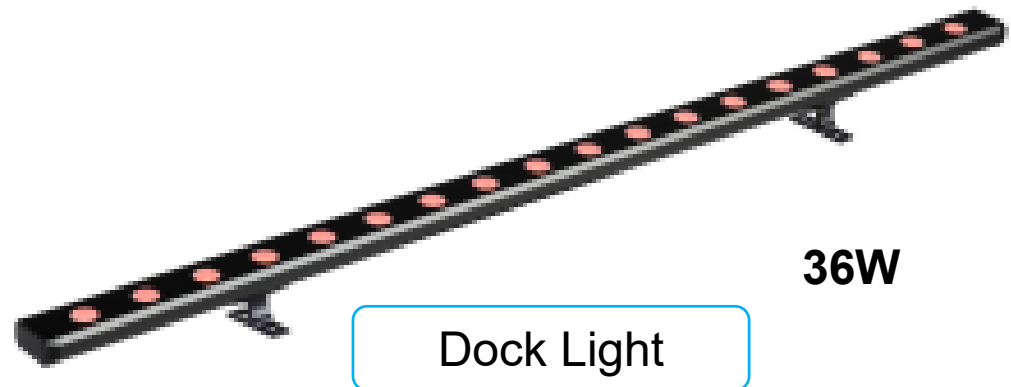


80W

Size: L30.5×W12.9×H23.5cm

- ❑ Built in constant current driver with HyperLux Technology
- ❑ Flood lights in 180W and 80W variations
- ❑ Various beam angles – 12, 24, 60, 90, 120 (degrees)
- ❑ Material: Die-cast Aluminum
- ❑ IP rating: IP66
- ❑ Two input cables: 24V supply and PWM RGBW control signals
- ❑ 60 and 36 OSRAM High Quality 30K hours+ RGBW LEDs in 180W and 80W flood lights respectively
- ❑ Controllable with MeshTek's High Range Bluetooth PWM Controller
- ❑ Ability to insert power in multiple ways, with MeshTek recommended 200W MeanWell Power Supply
- ❑ Control up to 4 lights using one controller

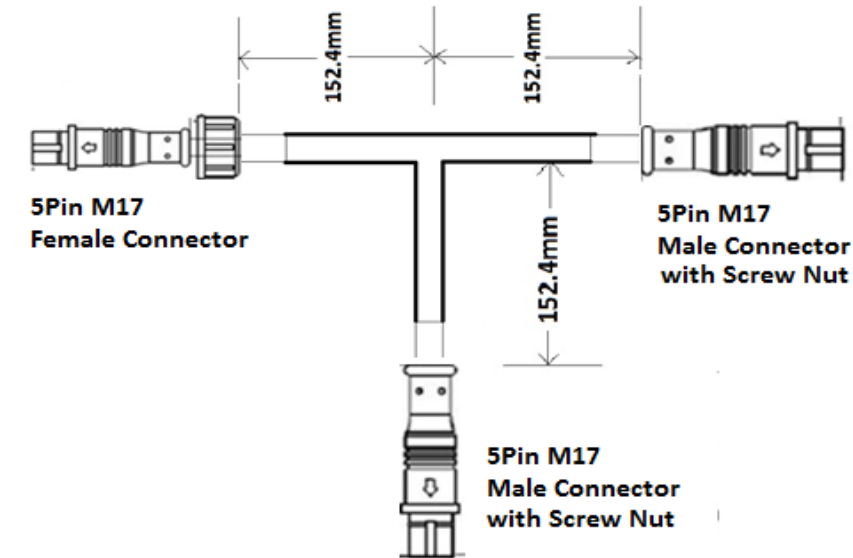
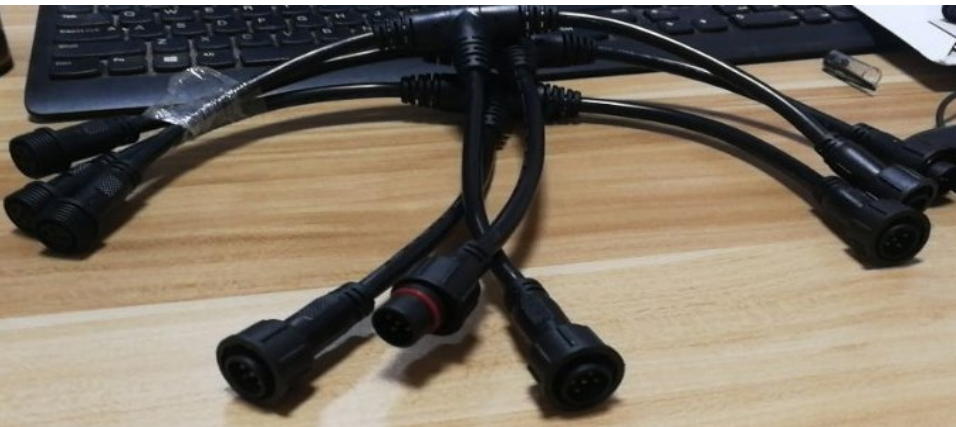
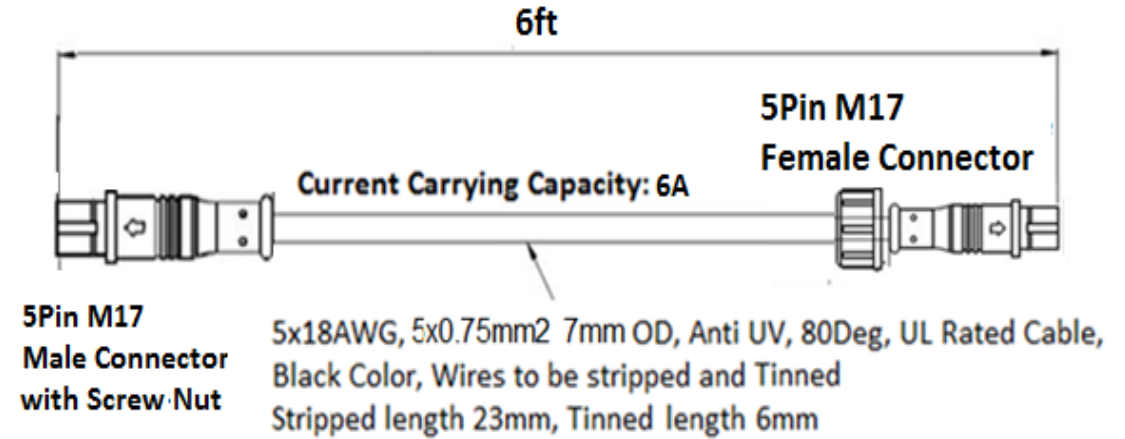
Washer and Dock Lights



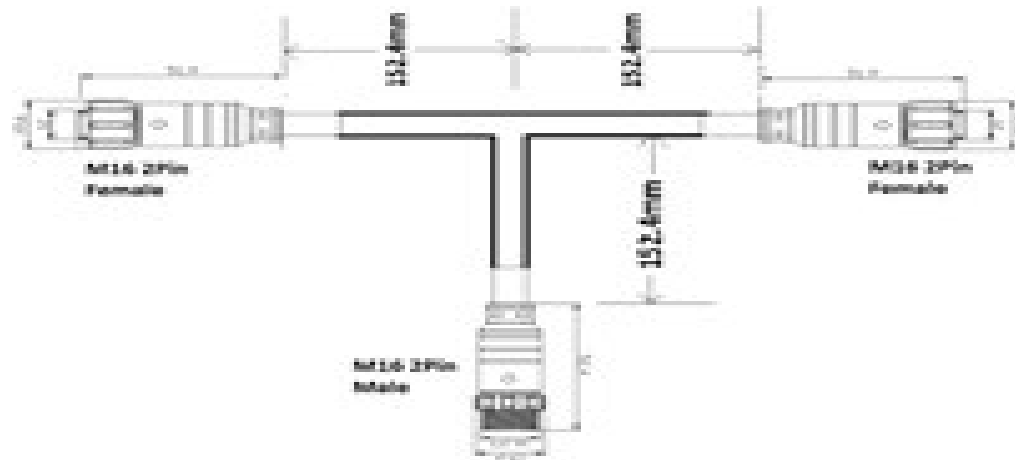
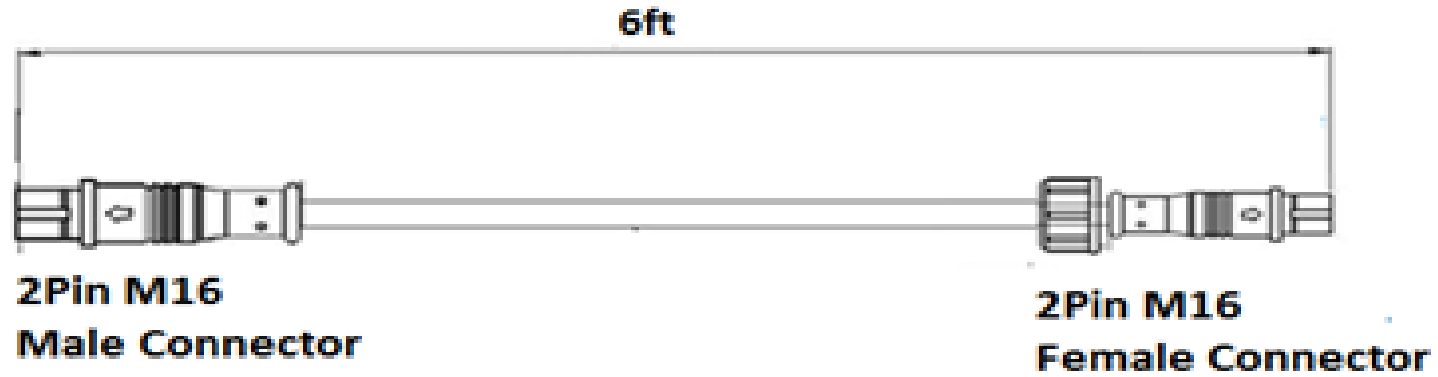
Size: L1000×W48×H103mm

- ❑ Built in constant current driver with HyperLux Technology
- ❑ Wall Washers in 36W and 72W variations; Dock Light in 36W
- ❑ Various beam angles – 12, 24, 60, 90, 120 (degrees)
- ❑ Material: Die-cast Aluminum
- ❑ IP rating: IP66 for Wall washer and IP67+ for Dock Light
- ❑ Two input cables: 24V supply and PWM RGBW control signals
- ❑ 24 OSRAM High Quality 30K hours+ RGBW LEDs
- ❑ Controllable with MeshTek's High Range Bluetooth PWM Controller
- ❑ Ability to insert power in multiple ways, with MeshTek recommended 200W MeanWell Power Supply
- ❑ Control up to 4 lights using one controller

5 Pin PWM Control Extension and T



2 Pin Power Extension and T



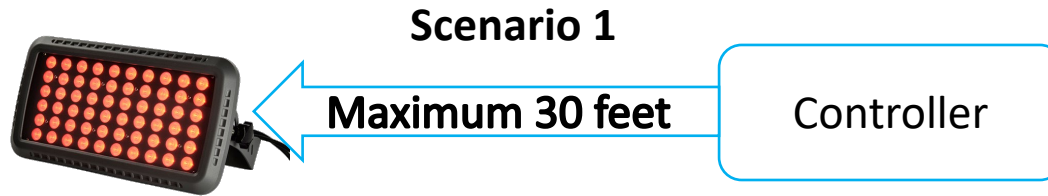


Installation Guide for Flood and Wall Washer Lights

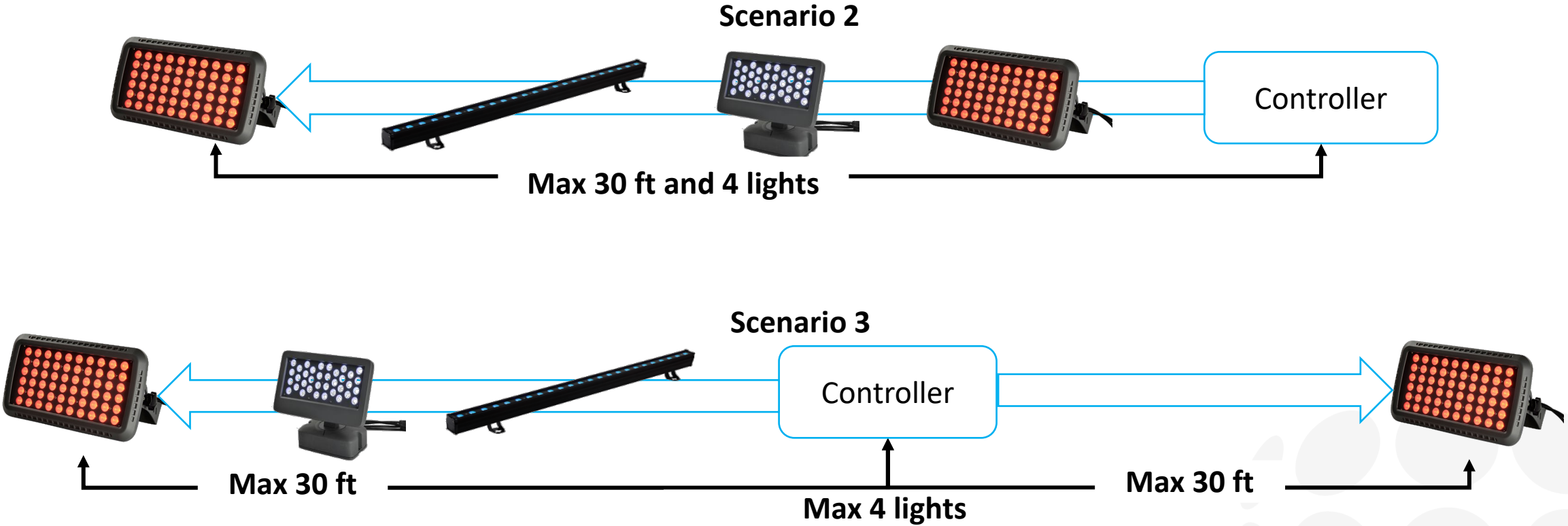
Maximum Extension Cable between Lights and Controller

Controller Rules:

1. **30ft**: max Control Signal can travel in any direction
2. **4 lights** (any type): max no. of lights controller can drive



Maximum Extension Cable between Lights and Controller

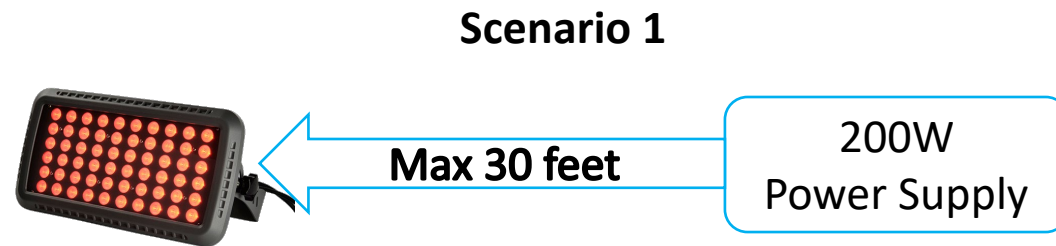


Maximum 30ft from the controller to the last light in one direction;
maximum 4 lights per controller

Maximum Extension Cable between Lights and Power Supply

Power Supply Rule:

30ft: maximum extension cable length, a Power Supply can run current in any direction

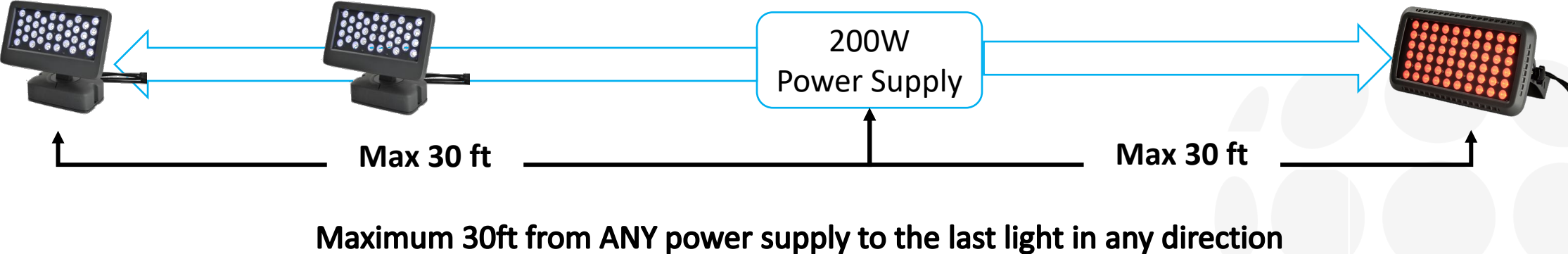


Maximum Extension Cable between Lights and Power Supply

Scenario 2



Scenario 3



Maximum Number of Lights per Controller

Limits on no. of lights in various combinations			 72W	 36W	 36W
ONE 200W Power Supply & one Controller	2	0	0	0	0
	0	Up to 4 in any combination			
	1	Up to 2 in any combination		0	0
	1	0	0	Up to 3 in any combination	
TWO 200W Power Supplies & one Controller	4	0	0	0	0
	0	Up to 4 in any combination			
	1	Up to 3 in any combination		0	0
	1	0	0	Up to 3 in any combination	
	2	Up to 2 in any combination		0	0
	2	0	0	Up to 2 in any combination	
3	Any 1				

Additional Guidance

- ❑ Each controller and associated power supplies and lights should be considered as one system; in other words, no power supply should be electrically connected to two controller.
- ❑ It is recommended to have controller and the power supply at the middle of all lights within its system.
- ❑ Installer can use as many extensions and Ts in various directions from the controller and the power supplies as long as the 30ft rule is intact.
- ❑ All lights connected to one controller run in a sync.





THANK YOU



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