



## DMXP INSTALLATION MANUAL PAGE 1

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### WARNING

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Fixtures must be installed by a qualified electrician in accordance with all applicable national and local electrical and construction codes and regulations.

Please read through this entire document before beginning the installation.

Remove any fixture from service if water or corrosion is observed inside the fixture. Water and chemicals can corrode metallic components and damage electrical circuits. Faulted electrical circuits can experience self-heating which, while unlikely, may present a fire hazard if left unchecked. This heating can also serve as an ignition source for gasses generated by the corrosion of metals inside of the enclosure.

Regularly scheduled inspections are recommended to ensure safe operation.

### RISK OF ELECTRIC SHOCK

- Turn power off before inspection, installation, or removal.

### Electrical Requirements

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- Suitable for wet locations.
- Follow all National Electric Codes (NEC) and local codes.

### Notes

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If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

### Customer Service

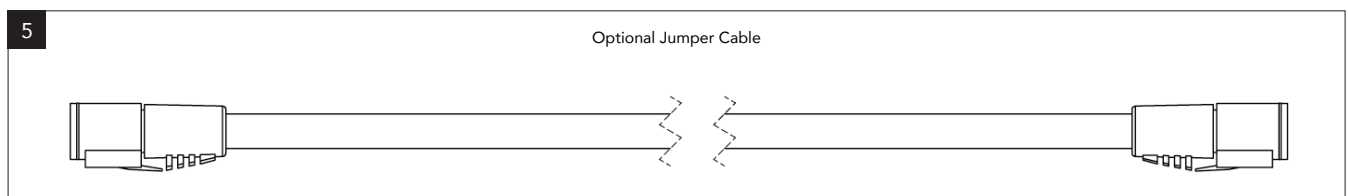
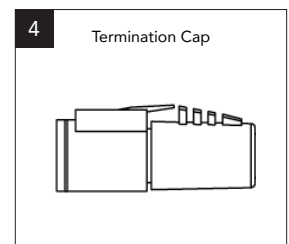
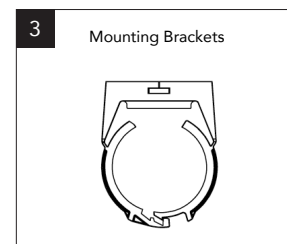
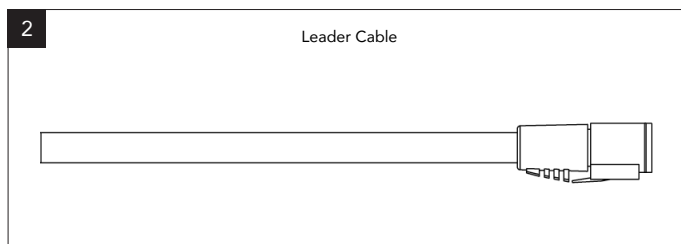
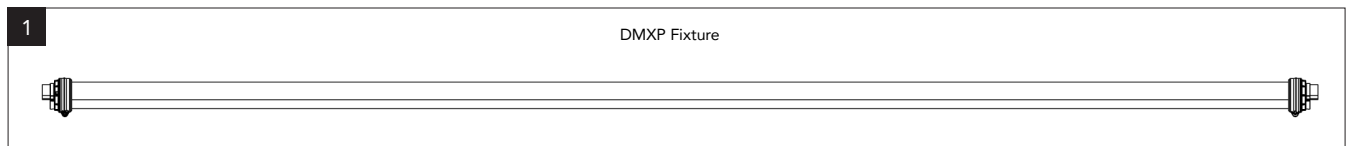
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For technical assistance and installation support please call 800-285-6780 x2 or email support@ggled.net

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### Supplied Materials

- 1 DMXP Series Fixtures
- 2 Leader Cable(s)
- 3 Mounting Brackets (Ceiling or Wall)
- 4 Termination Cap [Required to seal last fixture in string]
- 5 Optional Jumper Cable(s) [Required to daisy chain fixtures]

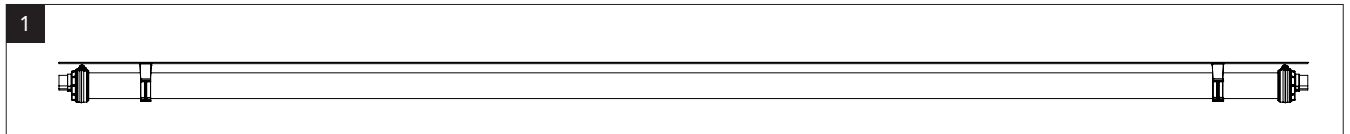


### NOTICE TO INSTALLERS

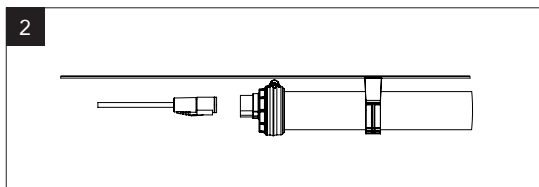
DMXP lights are a digitally addressable light fixture. Each light is uniquely programmed at the factory with a specified ID number between 1 and 32. This number is marked on the product carton as well as the light fixture itself. For the DMX controller to properly control the lighting system, the lights must be installed in accordance with the site layout documents provided with your control system. Failure to follow the layout during installation will lead to lighting effects being generated in an erratic manner.

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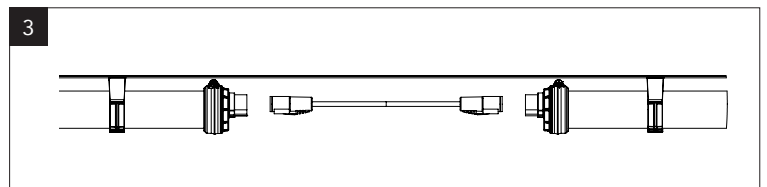
### Installation



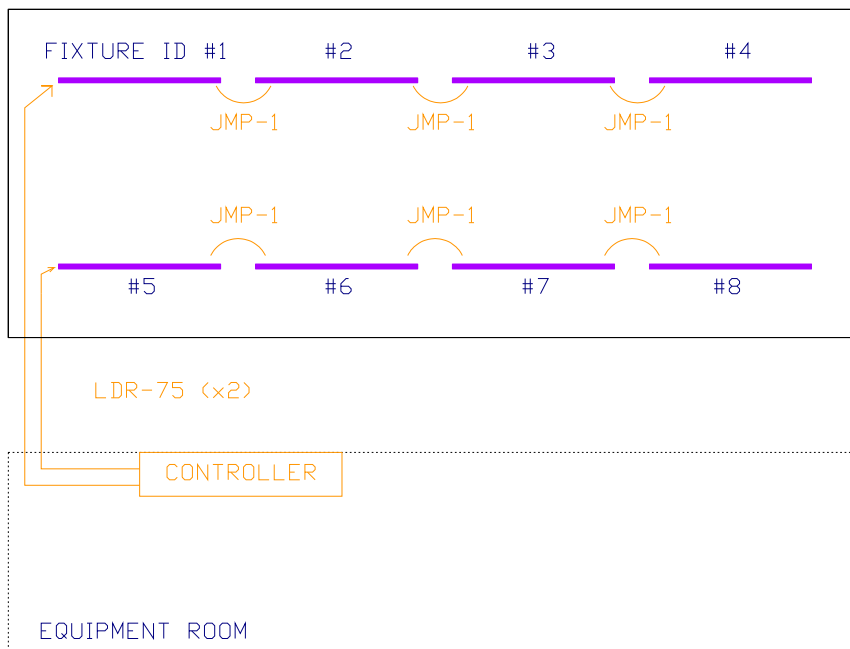
Mount the fixture(s) in the desired location using the surface mount bracket to affix directly to the ceiling/surface.



Connect the power leader cable to the male plug on the LED fixture. To do this align the white directional arrows on both the leader cable and fixture connector and push inward. An audible click will be heard, and the connector will lock into place.



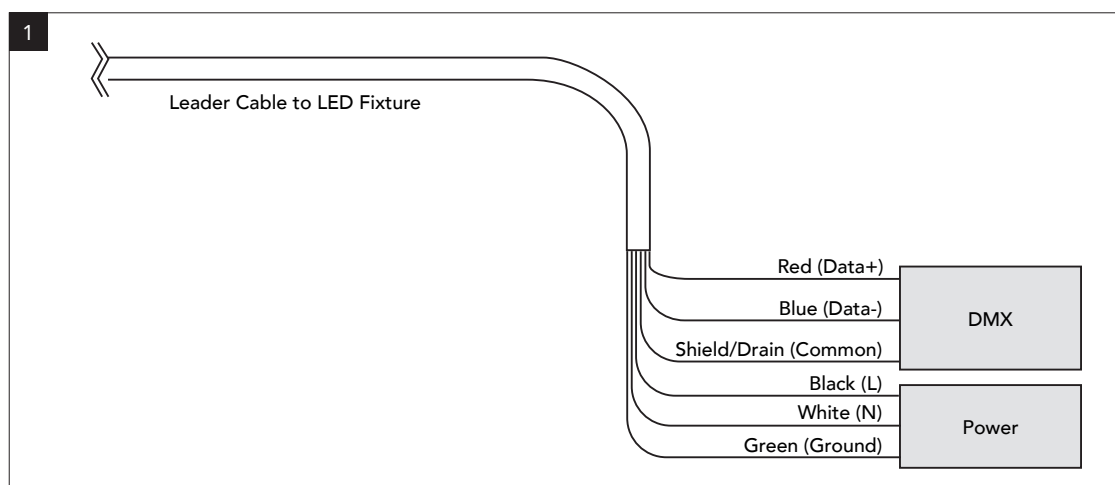
If daisy chaining fixtures continue mounting fixtures and attach jumper cables as needed using the same push and lock connection method as the leader cable.



**Example Installation Plan**  
 Every installation is unique, this is for demonstration purposes only.

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### Electrical Connections



Wire in the leader cable to the appropriate electrical service and DMX Controller as per the diagram above. For power, connect the black wire to supply (line), white wire to neutral, and green wire to ground. For data, connect the red wire to data (+), blue wire to data (-) and shield (bare wire) to common.

### ADVANCED DMX CONFIGURATION

#### Only for control systems other than ColorWash™

- DMXP fixtures are available in RGB and RGBW configurations.
- The RGB portion of both configurations fixture is controllable in 2ft RGB sections. The controllable RGB sections are referred to as pixels.
- The white portion of the RGBW fixture is controllable in a single section over the whole length of the fixture.
- Each pixel consumes 4 DMX addresses regardless of configuration (RGB or RGBW). The first 3 addresses for each pixel control the red, green, and blue channels. The fourth address controls the white channel in the fixture. The white output level is calculated as the average DMX value of all white channels in the fixture. The fourth address is consumed but not used in the RGB model.
- Factory provisioning for ID numbers assumes all fixtures consume 16 addresses. There are unused addresses in the system if DMXP4 series fixtures are included in the system.
- DMXP fixtures are RDM compatible. This allows the start address to be re-configured with an RDM enabled controller for advanced field provisioning.



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### Fixture DMX512 Specifications

Model	White Channel	Pixel Count	DMX Footprint
DMXP4-RGB	No	2	8 addresses
DMXP4-RGBW	Yes	2	8 addresses
DMXP8-RGB	No	4	16 addresses
DMXP8-RGBW	Yes	4	16 addresses

### Fixture ID Start Addresses

Fixture ID #	DMX Start Address	Fixture ID #	DMX Start Address	Fixture ID #	DMX Start Address	Fixture ID #	DMX Start Address
1	1	9	129	17	257	25	385
2	17	10	145	18	273	26	401
3	33	11	161	19	289	27	417
4	49	12	177	20	305	28	433
5	65	13	193	21	321	29	449
6	81	14	209	22	337	30	465
7	97	15	225	23	353	31	481
8	113	16	241	24	369	32	497

## QUESTIONS?

Please contact G&G Support at 800.285.6780