

TEST REPORT

Product Name: Fixed LED lighting fixtures (linear lights)

Product Model: LLS-OP-D50-L12

Test Category: Load and connection tests

Customer: TPK OPTOELECTRONIC TECH CO., LTD

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report time: JUN 24, 2025

广东泰然实业有限公司
TPK OPTOELECTRONIC TECH CO., LTD

Inspection report

Test items	Load and connectidon tests
Object to be tested	LLS-OP-D50-L12-RDM-P
Detection Purposes	Confirm the number of LLS-OP-D50-L12-RDM-P luminances that can be connected
Test Time	Start 2025-6-24 End: 2025-6-24

Prepare materials: RDM controller, signal amplifier, connection cable, power supply

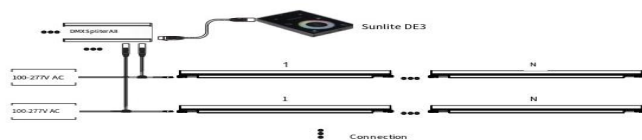
Test Method and Procedure:

1. Connect the LLS-OP-D50-L12-RDM-P luminescent in tandem
- 2 Use a control system or controller to control the various functions of the luminaires
- 3 Confirm the downflow and other variation effects during the test
- 4 Confirm the number of accessible luminaires after the test shows no abnormality

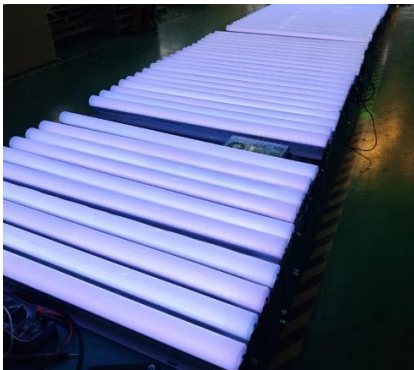
Test results: 16 LLS-OP-D50-L12-RDM-P (100-120V) and 36 (220-277V) LLS-OP-D50-L12-RDM-P were normally powered on without abnormality.
Confirm that the signal control LLS-OP-D50-L12-RDM-P lamps can withstand and be connected to 12 units. The conclusion of this experiment is only responsible for the samples.

Test data:

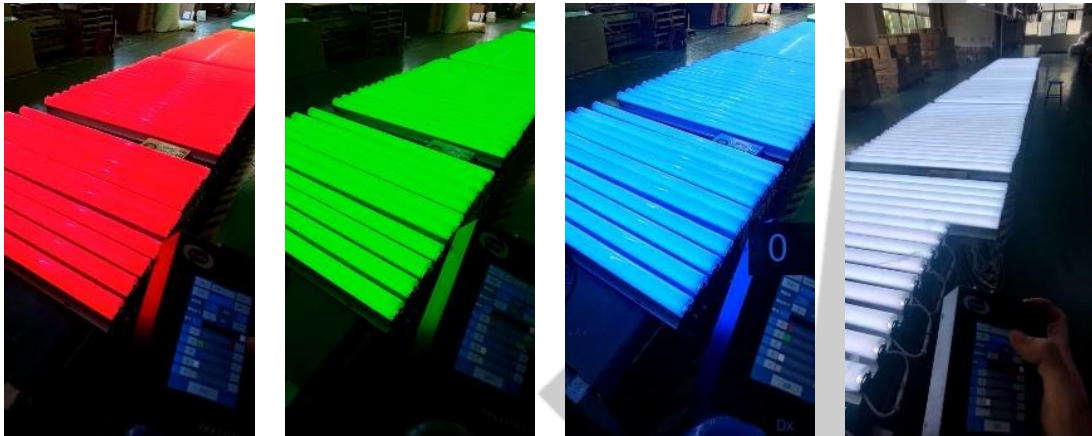
1. According to the connection diagram, when the power supply is loaded, one connection line can support up to 36 lamps working simultaneously



Mode No	Voltage	Power connection (MAX)	Voltage	Power connection (MAX)	Signal Connection (RGBW:40CH/4ft)
LLS-OP-D50-L12-DMX	24V DC	6 PCS	100-277VAC	16 PCS(100-120V)	12 PCS
LLS-OP-D50-L6-DMX	24V DC	12 PCS	100-277VAC	36 PCS(220-277V)	24 PCS
LLS-OP-D50-L3-DMX	24V DC	24 PCS	100-277VAC	73 PCS(220-277V)	42 PCS
LLS-OP-D50-L12-S	24V DC	6 PCS	100-277VAC	16 PCS(100-120V)	-
LLS-OP-D50-L6-S	24V DC	12 PCS	100-277VAC	36 PCS(220-277V)	-
LLS-OP-D50-L3-S	24V DC	24 PCS	100-277VAC	73 PCS(220-277V)	-



2. Use the controller to control and confirm that the lights are monochromatic and fully lit



(R-G-B-all bright)

3. Use the controller to confirm the luminaire function



(Confirmation address effect diagram)