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Please find attached the related material on Project

For your convenience, the below describes the related updates:

| |
|-----------------------------|
| E474041-20220424-TestRecord |
|-----------------------------|

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Times change, Trust Remains™

TEST RECORD NO. 1

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Models shows in table as below.

| MODEL | INPUT | | | Table |
|------------------------------|--------------|--------------------|--------------|-------|
| | Volts (V) | Frequen cy (Hz) | Watts (W) | |
| ETLSN-V-2FT/TD/YY/DM QQQ | 120-277 | 50/60 | 20 | I |
| ETLSN-V-3FT/TE/YY/DM QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-V-4FT/FE/18/DM QQQ | 120-277 | 50/60 | 18 | |
| ETLSN-V-4FT/FE/YY/DM QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-V-4FT/FF/30/DM QQQ | 120-277 | 50/60 | 30 | |
| ETLSN-V-4FT/FF/YY/DM QQQ | 120-277 | 50/60 | 35 | |
| ETLSN-V-4FT/FG/YY/DM QQQ | 120-277 | 50/60 | 40 | |
| ETLSN-V-4FT/FH/YY/DM QQQ | 120-277 | 50/60 | 45 | |
| *ETLSN-V-8FT/FE/38/DM QQQ | 120-277 | 50/60 | 38 | |
| ETLSN-V-8FT/FE/YY/DM QQQ | 120-277 | 50/60 | 46 | |
| ETLSN-V-2FT/ND/YY/DM/CCT QQQ | 120-277 | 50/60 | 20 | |
| ETLSN-V-3FT/NE/YY/DM/CCT QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-V-4FT/NE/18/DM/CCT QQQ | 120-277 | 50/60 | 18 | |
| ETLSN-V-4FT/NE/YY/DM/CCT QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-V-4FT/NF/30/DM/CCT QQQ | 120-277 | 50/60 | 30 | |
| ETLSN-V-4FT/NF/YY/DM/CCT QQQ | 120-277 | 50/60 | 35 | |
| ETLSN-V-4FT/NG/YY/DM/CCT QQQ | 120-277 | 50/60 | 40 | |
| ETLSN-V-4FT/NH/YY/DM/CCT QQQ | 120-277 | 50/60 | 45 | |
| ETLSN-V-8FT/NE/38/DM/CCT QQQ | 120-277 | 50/60 | 38 | |
| ETLSN-V-8FT/NE/YY/DM/CCT QQQ | 120-277 | 50/60 | 46 | |

| MODEL | INPUT | | | Table |
|------------------------------------|--------------|--------------------|--------------|-------|
| | Volts (V) | Frequen cy (Hz) | Watts (W) | |
| ETLSN-V-4FT/FF/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 30/25/18 | I |
| ETLSN-V-4FT/FH/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 45/40/35 | |
| ETLSN-V-4FT/NF/30/25/18/DM/CCT QQQ | 120-277 | 50/60 | 30/25/18 | |
| ETLSN-V-4FT/NF/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 35/30/25 | |
| ETLSN-V-4FT/NG/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 40/30/25 | |
| ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 45/38/34 | |
| ETLSN-V-8FT/FF/YY/DM QQQ | 120-277 | 50/60 | 54 | II |
| ETLSN-V-8FT/NF/YY/DM/CCT QQQ | 120-277 | 50/60 | 54 | |
| ETLSN-V-8FT/FF/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 54/46/38 | |
| ETLSN-V-8FT/NF/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 54/46/38 | |
| ETLSN-V-8FT/FG/YY/DM QQQ | 120-277 | 50/60 | 75 | III |
| ETLSN-V-8FT/FH/YY/DM QQQ | 120-277 | 50/60 | 90 | |
| ETLSN-V-8FT/NG/YY/DM/CCT QQQ | 120-277 | 50/60 | 75 | |
| ETLSN-V-8FT/NH/YY/DM/CCT QQQ | 120-277 | 50/60 | 90 | |
| ETLSN-V-8FT/FH/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 90/75/65 | |
| ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 90/75/65 | |
| ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 90/75/65 | |

| MODEL | INPUT | | | Table |
|--------------------------------|--------------|--------------------|--------------|-------|
| | Volts (V) | Frequen cy (Hz) | Watts (W) | |
| ETLSN-W-2FT/TD/YY/DM QQQ | 120-277 | 50/60 | 20 | IV |
| ETLSN-W-3FT/TE/YY/DM QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-W-4FT/FE/18/DM QQQ | 120-277 | 50/60 | 18 | |
| ETLSN-W-4FT/FE/YY/DM QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-W-4FT/FF/30/DM QQQ | 120-277 | 50/60 | 30 | |
| ETLSN-W-4FT/FF/YY/DM QQQ | 120-277 | 50/60 | 35 | |
| ETLSN-W-4FT/FG/YY/DM QQQ | 120-277 | 50/60 | 40 | |
| ETLSN-W-4FT/FH/YY/DM QQQ | 120-277 | 50/60 | 45 | |
| ETLSN-W-8FT/FE/38/DM QQQ | 120-277 | 50/60 | 38 | |
| ETLSN-W-8FT/FE/YY/DM QQQ | 120-277 | 50/60 | 46 | |
| ETLSN-W-2FT/ND/YY/DM/CCT QQQ | 120-277 | 50/60 | 20 | |
| ETLSN-W-3FT/NE/YY/DM/CCT QQQ | 120-277 | 50/60 | 25 | |
| * ETLSN-W-4FT/NE/18/DM/CCT QQQ | 120-277 | 50/60 | 18 | |
| ETLSN-W-4FT/NE/YY/DM/CCT QQQ | 120-277 | 50/60 | 25 | |
| ETLSN-W-4FT/NF/30/DM/CCT QQQ | 120-277 | 50/60 | 30 | |
| ETLSN-W-4FT/NF/YY/DM/CCT QQQ | 120-277 | 50/60 | 35 | |
| ETLSN-W-4FT/NG/YY/DM/CCT QQQ | 120-277 | 50/60 | 40 | |
| ETLSN-W-4FT/NH/YY/DM/CCT QQQ | 120-277 | 50/60 | 45 | |
| ETLSN-W-8FT/NE/38/DM/CCT QQQ | 120-277 | 50/60 | 38 | |
| ETLSN-W-8FT/NE/YY/DM/CCT QQQ | 120-277 | 50/60 | 46 | |

| MODEL | INPUT | | | Table |
|---|--------------|--------------------|--------------|-------|
| | Volts (V) | Frequen cy (Hz) | Watts (W) | |
| ETLSN-W-4FT/FF/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 30/25/18 | IV |
| ETLSN-W-4FT/FH/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 45/40/35 | |
| ETLSN-W-4FT/NF/30/25/18/DM/CCT QQQ | 120-277 | 50/60 | 30/25/18 | |
| ETLSN-W-4FT/NF/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 35/30/25 | |
| ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 40/30/25 | |
| ETLSN-W-4FT/NH/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 45/38/34 | |
| ETLSN-W-8FT/FF/YY/DM QQQ | 120-277 | 50/60 | 54 | V |
| ETLSN-W-8FT/NF/YY/DM/CCT QQQ | 120-277 | 50/60 | 54 | |
| ETLSN-W-8FT/FF/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 54/46/38 | |
| ETLSN-W- *8FT/NF/54/46/38/DM/CCT QQQ | 120-277 | 50/60 | 54/46/38 | |
| ETLSN-W-8FT/FF/YY/DM QQQ | 120-277 | 50/60 | 65 | VI |
| ETLSN-W-8FT/NF/YY/DM/CCT QQQ | 120-277 | 50/60 | 65 | |
| ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 65/60/55 | |
| ETLSN-W-8FT/FG/YY/DM QQQ | 120-277 | 50/60 | 75 | VII |
| ETLSN-W-8FT/FH/YY/DM QQQ | 120-277 | 50/60 | 90 | |
| ETLSN-W-8FT/NG/YY/DM/CCT QQQ | 120-277 | 50/60 | 75 | |
| ETLSN-W-8FT/NH/YY/DM/CCT QQQ | 120-277 | 50/60 | 90 | |
| ETLSN-W-8FT/FH/YY/ZZ/DD/DM QQQ | 120-277 | 50/60 | 90/75/65 | |
| ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 90/75/65 | |
| ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | 120-277 | 50/60 | 90/75/65 | |

GENERAL:

Tests conducted in accordance with UL 1598, were considered representative of the same tests required by CSA C22.2 No. 250.0.

Test results relate only to the items tested.

| The following tests were conducted: | | | |
|---|----------------------------------|---------------------|---------------|
| TEST | STANDARD | CODE (See Below) | CLAUSE |
| Input Test | UL 8750 | - | 8.2 |
| Dielectric Voltage- Withstand: | UL 1598 / UL 8750 | S | 17.1 / 8.4 |
| LED Normal Temperature, Surface | UL 1598 / CSA C22.2 No. 250.0 | S | 14,19 |
| Bonding Circuit Impedance | UL 1598 / CSA C22.2 No. 250.0 | S | 17.2 |
| Loading | UL 1598 / CSA C22.2 No. 250.0 | S | 16.15 |
| S = Same test. | | | |
| Test results relate only to the items tested. | | | |

Tests conducted with specific models represent other models as tabulated below:

| Test Item | Model tested | Model presented | Rationale |
|---|-------------------------------------|--|--|
| LED Normal Temperature, Surface, Dielectric Voltage-Withstand | ETLSN-V-3FT/NE/YY/DM/CCT QQQ | ETLSN-V-2FT/ND/20/YDM/CCT 8XX (A3+B7) | Similar construction, same series of LED drivers, the tested model with the maximum driver output and smaller dimension. |
| | ETLSN-V-4FT/NH/YY/DM/CCT QQQ | Table I other models with 4ft and 8ft, Table IV all models | |
| | ETLSN-V-8FT/NF/5YY/ZZ/DD/DM/CCT QQQ | Table II other models, Table V all models | |
| | ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ | Table VI other models | |
| | ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | Table III other models, Table VII all models | |
| Input Test | ETLSN-V models in Table I, II, III | ETLSN-W models in Table IV, V, VII | Same series of LED driver. |
| | ETLSN-V-2FT/ND/YY/DM/CCT QQQ | ETLSN-V-2FT/TD/YY/DM QQQ | Same LED module connection, the tested model with double LED quantity and output, and test the one LED quantity as max. wattage. |
| | ETLSN-V-3FT/NE/YY/DM/CCT QQQ | ETLSN-V-3FT/TE/YY/DM QQQ | |
| | ETLSN-V-4FT/NE/18/DM/CCT QQQ | ETLSN-V-4FT/FE/18/DM QQQ | |
| | ETLSN-V-4FT/NE/YY/DM/CCT QQQ | ETLSN-V-4FT/FE/YY/DM QQQ | |
| | ETLSN-V-4FT/NF/30/DM/CCT QQQ | ETLSN-V-4FT/FF/30/DM QQQ | |
| | ETLSN-V-4FT/NF/YY/DM/CCT QQQ | ETLSN-V-4FT/FF/YY/DM QQQ | |
| | ETLSN-V-4FT/NG/YY/DM/CCT QQQ | ETLSN-V-4FT/FG/40/DM QQQ | |
| | ETLSN-V-4FT/NH/YY/DM/CCT QQQ | ETLSN-V-4FT/FH/YY/DM QQQ | |
| | ETLSN-V-8FT/NE/38/DM/CCT QQQ | ETLSN-V-8FT/FE/38/DM QQQ | |
| | ETLSN-V-8FT/NE/YY/DM/CCT QQQ | ETLSN-V-8FT/FE/YY/DM QQQ | |
| | ETLSN-V-8FT/NF/YY/DM/CCT QQQ | ETLSN-V-8FT/FF/YY/DM QQQ | |
| | ETLSN-V-8FT/NG/YY/DM/CCT QQQ | ETLSN-V-8FT/FG/YY/DM QQQ | |
| | ETLSN-V-8FT/NH/YY/DM/CCT QQQ | ETLSN-V-8FT/FH/YY/DM QQQ | |

| Test Item | Model tested | Model presented | Rationale |
|---|---------------------------------------|---|--|
| Input Test | ETLSN-V-4FT/NF/30/25/18/DM/CCT QQQ | ETLSN-V-4FT/FF/YY/ZZ/DD/DM QQQ | Same LED module connection, the tested model with double LED quantity and output, and test the one LED quantity as max. wattage. |
| | ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ | ETLSN-V-4FT/FH/YY/ZZ/DDDM QQQ | |
| | ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ | ETLSN-W-8FT/FF/YY/DM QQQ, ETLSN-W-8FT/NF/YY/DM/CCT QQQ | |
| Bonding Circuit Impedance, Loading | ETLSN-V-8FT/NE/YY/DM/CCT QQQ | Table I other models, and Table II, III all models | Same construction, the tested model with maximum weight. |
| | ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ | Table IV other models, and Table V, VI, VII all models | |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Revision Date |
|---------------------|------------|-----------------|---------------|
| UL 1598 | Luminaires | 5 th | 2021-03-26 |
| CSA C22.2 No. 250.0 | Luminaires | 5 th | 2021-03-26 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

TEST RECORD NO. 2

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate new models ETLSN-SLG-4FT/NI/YY/DM QQQ, ETLSN-SLG-8FT/NI/YY/DM QQQ, ETLSN-SLG-4FT/NJ/YY/ZZ/DD/DM/CCT QQQ, ETLSN-SLG-8FT/NJ/YY/ZZ/DD/DM/CCT QQQ.

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver and LED Module.

| | |
|------------------------------------|------------------------------------|
| ETLSN-V-8FT/65/YY/DM QQQ | ETLSN-V-8FT/FF/YY/DM QQQ |
| ETLSN-V-8FT/NF/65/DM/CCT QQQ | ETLSN-V-8FT/NF/YY/DM/CCT QQQ |
| ETLSN-V-8FT/NF/65/60/55/DM/CCT QQQ | ETLSN-V-8FT/NF/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-V-2FT/ND/YY/ZZ/DD/DM/CCT QQQ | ETLSN-V-2FT/ND/YY/DM/CCT QQQ |

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for Emergency driver.

| | |
|--|------------------------------------|
| ETLSN-W-4FT/FE/23/DM QQQ(EM) | ETLSN-W-4FT/FE/18/DM QQQ |
| ETLSN-W-4FT/FE/YY/DM QQQ(EM) | ETLSN-W-4FT/FE/YY/DM QQQ |
| ETLSN-W-4FT/FF/35/DM QQQ(EM) | ETLSN-W-4FT/FF/30/DM QQQ |
| ETLSN-W-4FT/FF/YY/DM QQQ(EM) | ETLSN-W-4FT/FF/YY/DM QQQ |
| ETLSN-W-4FT/FG/YY/DM QQQ(EM) | ETLSN-W-4FT/FG/YY/DM QQQ |
| ETLSN-W-4FT/FH/YY/DM QQQ(EM) | ETLSN-W-4FT/FH/YY/DM QQQ |
| ETLSN-W-8FT/FE/43/DM QQQ(EM) | ETLSN-W-8FT/FE/38/DM QQQ |
| ETLSN-W-8FT/FE/YY/DM QQQ(EM) | ETLSN-W-8FT/FE/YY/DM QQQ |
| ETLSN-W-4FT/NE/23/DM/CCT QQQ(EM) | ETLSN-W-4FT/NE/18/DM/CCT QQQ |
| ETLSN-W-4FT/NE/YY/DM/CCT QQQ(EM) | ETLSN-W-4FT/NE/YY/DM/CCT QQQ |
| ETLSN-W-4FT/NF/35/DM/CCT QQQ(EM) | ETLSN-W-4FT/NF/30/DM/CCT QQQ |
| ETLSN-W-4FT/NF/YY/DM/CCT QQQ(EM) | ETLSN-W-4FT/NF/YY/DM/CCT QQQ |
| ETLSN-W-4FT/NG/YY/DM/CCT QQQ(EM) | ETLSN-W-4FT/NG/YY/DM/CCT QQQ |
| ETLSN-W-4FT/NH/YY/DM/CCT QQQ(EM) | ETLSN-W-4FT/NH/YY/DM/CCT QQQ |
| ETLSN-W-8FT/NE/43/DM/CCT QQQ(EM) | ETLSN-W-8FT/NE/38/DM/CCT QQQ |
| ETLSN-W-8FT/NE/YY/DM/CCT QQQ(EM) | ETLSN-W-8FT/NE/YY/DM/CCT QQQ |
| ETLSN-W-4FT/FF/YY/ZZ/DD/DM QQQ(EM) | ETLSN-W-4FT/FF/YY/ZZ/DD/DM QQQ |
| ETLSN-W-4FT/FH/YY/ZZ/DD/DM QQQ(EM) | ETLSN-W-4FT/FH/YY/ZZ/DD/DM QQQ |
| ETLSN-W-4FT/NF/35/30/23/DM/CCT QQQ(EM) | ETLSN-W-4FT/NF/30/25/18/DM/CCT QQQ |
| ETLSN-W-4FT/NF/YY/ZZ/DD/DM/CCT QQQ(EM) | ETLSN-W-4FT/NF/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ(EM) | ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-4FT/NH/YY/ZZ/DDDM/CCT QQQ(EM) | ETLSN-W-4FT/NH/YY/ZZ/DDDM/CCT QQQ |
| ETLSN-W-8FT/FF/59/DM QQQ(EM) | ETLSN-W-8FT/FF/YY/DM QQQ |
| ETLSN-W-8FT/NF/59/DM/CCT QQQ(EM) | ETLSN-W-8FT/NF/YY/DM/CCT QQQ |
| ETLSN-W-8FT/FF/YY/ZZ/DD/DM QQQ(EM) | ETLSN-W-8FT/FF/YY/ZZ/DD/DM QQQ |
| ETLSN-W-8FT/NF/59/51/43/DM/CCT QQQ(EM) | ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-8FT/FF/YY/DM QQQ(EM) | ETLSN-W-8FT/FF/YY/DM QQQ |

| | |
|--|------------------------------------|
| ETLSN-W-8FT/NF/YY/DM/CCT QQQ(EM) | ETLSN-W-8FT/NF/YY/DM/CCT QQQ |
| ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ(EM) | ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-8FT/FG/YY/DM QQQ(EM) | ETLSN-W-8FT/FG/YY/DM QQQ |
| ETLSN-W-8FT/FH/YY/DM QQQ(EM) | ETLSN-W-8FT/FH/YY/DM QQQ |
| ETLSN-W-8FT/NG/YY/DM/CCT QQQ(EM) | ETLSN-W-8FT/NG/YY/DM/CCT QQQ |
| ETLSN-W-8FT/NH/YY/DM/CCT QQQ(EM) | ETLSN-W-8FT/NH/YY/DM/CCT QQQ |
| ETLSN-W-8FT/FH/YY/ZZ/DD/DM QQQ(EM) | ETLSN-W-8FT/FH/YY/ZZ/DD/DM QQQ |
| ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ(EM) | ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ |

Add missing model ETLSN-W-8FT/NF/54/46/38/DM/CCT QQQ, and remove duplicated model ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|---|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand: | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General: | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Model tested | Test Item | Models presented | Rationale |
|---|---|--|--|
| ETLSN-V-8FT/NF/65/60/55/DM/CCT QQQ | LED NORMAL TEMPERATURE, SURFACE, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND, | ETLSN-SLG-8FT/NI/YY/DM QQQ ETLSN-V-8FT/65/YY/DM QQQ ETLSN-V-8FT/NF/65/DM/CCT QQQ | Similar construction, same series LED driver, tested with highest wattage and Minimum luminaire size |
| ETLSN-W-4FT/NH/YY/ZZ/DDDM/CCT QQQ (EM) | | ETLSN-W-4FT/FE/23/DM QQQ(EM) ETLSN-W-4FT/FE/YY/DM QQQ(EM) ETLSN-W-4FT/FF/35/DM QQQ(EM) ETLSN-W-4FT/FF/YY/DM QQQ(EM) ETLSN-W-4FT/FG/YY/DM QQQ(EM) ETLSN-W-4FT/FH/YY/DM QQQ(EM) ETLSN-W-8FT/FE/43/DM QQQ(EM) ETLSN-W-8FT/FE/YY/DM QQQ(EM) ETLSN-W-4FT/NE/23/DM/CCT QQQ(EM) ETLSN-W-4FT/NE/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/NF/35/DM/CCT QQQ(EM) ETLSN-W-4FT/NF/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/NG/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/NH/YY/DM/CCT QQQ(EM) ETLSN-W-8FT/NE/43/DM/CCT QQQ(EM) ETLSN-W-8FT/NE/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/FF/YY/ZZ/DD/DM QQQ(EM) ETLSN-W-4FT/FH/YY/ZZ/DD/DM QQQ(EM) ETLSN-W-4FT/NF/35/30/23/DM/CCT QQQ(EM) ETLSN-W-4FT/NF/YY/ZZ/DD/DM/CCT QQQ(EM) ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ(EM) | |
| ETLSN-W-8FT/NF/59/51/43/DM/CCT QQQ (EM) | | ETLSN-W-8FT/FF/59/DM QQQ(EM) ETLSN-W-8FT/NF/59/DM/CCT QQQ(EM) ETLSN-W-8FT/FF/YY/ZZ/DD/DM QQQ(EM) | |
| ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ (EM) | | ETLSN-W-8FT/FF/YY/DM QQQ(EM) ETLSN-W-8FT/NF/YY/DM/CCT QQQ(EM) | |
| ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ (EM) | | ETLSN-W-8FT/FG/YY/DM QQQ(EM) ETLSN-W-8FT/FH/YY/DM QQQ(EM) ETLSN-W-8FT/NG/YY/DM/CCT QQQ(EM) ETLSN-W-8FT/NH/YY/DM/CCT QQQ(EM) ETLSN-W-8FT/FH/YY/ZZ/DD/DM QQQ(EM) | |

| | | | |
|--|-------------------|--|--|
| <p>ETLSN-V- 8FT/NF/65/60/55/DM/CCT QQQ</p> | <p>Input Test</p> | <p>ETLSN-V-8FT/65/YY/DM QQQ ETLSN-V-8FT/NF/65/DM/CCT QQQ</p> | <p>Same LED driver, same LED module, same input rating</p> |
| <p>ETLSN-W- 8FT/NH/YY/ZZ/DD/DM/CCT QQQ (EM) ETLSN-W-8FT/NF/YY/DM/CCT QQQ(EM)</p> | | <p>ETLSN-W-4FT/FE/23/DM QQQ(EM) ETLSN-W-4FT/FE/YY/DM QQQ(EM) ETLSN-W-4FT/FF/35/DM QQQ(EM) ETLSN-W-4FT/FF/YY/DM QQQ(EM) ETLSN-W-4FT/FG/YY/DM QQQ(EM) ETLSN-W-4FT/FH/YY/DM QQQ(EM) ETLSN-W-8FT/FE/43/DM QQQ(EM) ETLSN-W-8FT/FE/YY/DM QQQ(EM) ETLSN-W-4FT/NE/23/DM/CCT QQQ(EM) ETLSN-W-4FT/NE/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/NF/35/DM/CCT QQQ(EM) ETLSN-W-4FT/NF/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/NG/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/NH/YY/DM/CCT QQQ(EM) ETLSN-W-8FT/NE/43/DM/CCT QQQ(EM) ETLSN-W-8FT/NE/YY/DM/CCT QQQ(EM) ETLSN-W-4FT/FF/YY/ZZ/DD/DM QQQ(EM) ETLSN-W-4FT/FH/YY/ZZ/DD/DM QQQ(EM) ETLSN-W-4FT/NF/35/30/23/DM/CCT QQQ(EM) ETLSN-W-4FT/NF/YY/ZZ/DD/DM/CCT QQQ(EM) ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ(EM) ETLSN-W-4FT/NH/YY/ZZ/DDDM/CCT QQQ(EM) ETLSN-W-8FT/FF/59/DM QQQ(EM) ETLSN-W-8FT/NF/59/DM/CCT QQQ(EM) ETLSN-W-8FT/FF/YY/ZZ/DD/DM QQQ(EM) ETLSN-W-8FT/NF/59/51/43/DM/CCT QQQ(EM) ETLSN-W-8FT/FF/YY/DM QQQ(EM) ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ(EM) ETLSN-W-8FT/FG/YY/DM QQQ(EM) ETLSN-W-8FT/FH/YY/DM QQQ(EM) ETLSN-W-8FT/NG/YY/DM/CCT QQQ(EM) ETLSN-W-8FT/NH/YY/DM/CCT QQQ(EM) ETLSN-W-8FT/FH/YY/ZZ/DD/DM QQQ(EM)</p> | <p>Same emergency driver, tested with highest wattage models</p> |

| Test | Reference Report | Model Tested | Represents Models | Rationale |
|---|--|------------------------------------|-------------------------------------|--|
| Led Normal Temperature, Surface, General, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND | E474041, issued 2022-04-24, Test Record No.1 | ETLSN-V-4FT/NH/YY/DM/CCT QQQ | ETLSN-SLG-4FT/NI/YY/DM QQQ | Similar construction, same series LED driver, tested with highest wattage and Minimum luminaire size |
| | | | ETLSN-SLG-4FT/NJ/YY/ZZ/DD/DM/CT QQQ | |
| | | ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | ETLSN-SLG-8FT/NJ/YY/ZZ/DD/DM/CT QQQ | |
| | | ETLSN-V-2FT/ND/YY/DM/CCT QQQ | ETLSN-V-2FT/ND/YY/ZZ/DD/DM/CT QQQ | |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Reviewed by:

Evan Gao
EngineerAlan Wang
Senior Project Engineer

TEST RECORD NO. 3

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver, Input wire and Disconnect Connector.

| | |
|--|------------------------------------|
| ETLSN-V-4FT/NH/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-V-8FT/NH/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-4FT/NH/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-4FT/NH/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-8FT/NH/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|---|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand: | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General: | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Model tested | Test Item | Models presented | Rationale |
|--|---|--|--|
| ETLSN-V- 4FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | NORMAL TEMPERATURE (RECESSED LUMINAIRE), DIELECTRIC VOLTAGE- WITHSTAND, | ETLSN-W- 4FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | Similar construction, same LED driver, tested with Minimum luminaire size |
| ETLSN-V- 8FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | | ETLSN-W- 8FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | |
| ETLSN-V- 4FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | Input Test | ETLSN-W- 4FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | Same LED Driver, same LED module, same Input wattage |
| ETLSN-V- 8FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | | ETLSN-W- 8FT/NH/YY/ZZ/DD/DM/120- 347/CCT QQQ | |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

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Report by:

Reviewed by:

Evan Gao
EngineerPiero Ren
Project Engineer

TEST RECORD NO. 4

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for Emergency Lighting Driver.

| | |
|---|--------------------------------------|
| ETLSN-SLG-4FT/NI/YY/DM QQQ (EM) | ETLSN-SLG-4FT/NI/YY/DM QQQ |
| ETLSN-SLG-8FT/NI/YY/DM QQQ (EM) | ETLSN-SLG-8FT/NI/YY/DM QQQ |
| ETLSN-SLG-4FT/NJ/YY/ZZ/DD/DM/CCT QQQ (EM) | ETLSN-SLG-4FT/NJ/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-SLG-8FT/NJ/YY/ZZ/DD/DM/CCT QQQ (EM) | ETLSN-SLG-8FT/NJ/YY/ZZ/DD/DM/CCT QQQ |

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED driver, LED array, LED controller, LED controller supporter.

| | |
|----------------------------------|------------------------------|
| ETLSN-W-2FT/NE/YY/DM/CCT/APP QQQ | ETLSN-W-2FT/ND/YY/DM/CCT QQQ |
| ETLSN-W-4FT/NH/YY/DM/CCT/APP QQQ | ETLSN-W-4FT/NH/YY/DM/CCT QQQ |
| ETLSN-V-2FT/NE/YY/DM/CCT/APP QQQ | ETLSN-V-2FT/ND/YY/DM/CCT QQQ |
| ETLSN-V-4FT/NH/YY/DM/CCT/APP QQQ | ETLSN-V-4FT/NH/YY/DM/CCT QQQ |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Model tested | Test Item | Models presented | Rationale |
|--|--|-------------------------------------|---|
| ETLSN-V- 2FT/NE/YY/DM/CCT/APP QQQ | Input Test, Dielectric Voltage- Withstand, Led Normal Temperature, Surface, General | ETLSN-W-2FT/NE/YY/DM/CCT/APP QQQ | Similar construction, same LED driver, same LED array, same input wattage, tested with Minimum luminaire size |
| ETLSN-V- 4FT/NH/YY/DM/CCT/APP QQQ | | ETLSN-W-4FT/NH/YY/DM/CCT/APP QQQ | |
| ETLSN-SLG- 4FT/NJ/YY/ZZ/DD/DM/CCT QQQ (EM) | Dielectric Voltage- Withstand, Led Normal Temperature, Surface, General | ETLSN-SLG-4FT/NI/YY/DM QQQ (EM) | Similar construction, same series LED driver, tested with highest input wattage |
| ETLSN-SLG- 4FT/NJ/YY/ZZ/DD/DM/CCT QQQ (EM) | Input Test | ETLSN-SLG-4FT/NI/YY/DM QQQ (EM) | Similar construction, same series LED driver, same Emergency Lighting Driver |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

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Report by:

Reviewed by:

Evan Gao
EngineerPiero Ren
Project Engineer

TEST RECORD NO. 5

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate model ETLSN-W-2FT/ND/YY/DM/120-347/CCT QQQ which is same with ETLSN-W-4FT/FF/YY/DM QQQ except driver.

Alternate model ETLSN-W-4FT/FF/YY/DM/120-347 QQQ which is same with ETLSN-W-4FT/FF/YY/DM QQQ except driver.

Alternate model ETLSN-W-4FT/NG/YY/ZZ/DD/DM/120-347/CCT QQQ which is same with ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ except driver.

Alternate model ETLSN-W-4FT/NJ/YY/DM/120-347/CCT QQQ which is same with ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ except driver and LED Array.

Alternate Model ETLSN-W-8FT/FF/YY/DM/120-347 QQQ which is same with ETLSN-W-8FT/FF/YY/DM QQQ (65W) except driver.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Model tested | Test Item | Models presented | Rationale |
|--------------------------------------|--|--|---|
| ETLSN-W-4FT/FJ/YY/DM/120-347/CCT QQQ | Led Normal Temperature, Surface, General | ETLSN-W-4FT/FF/YY/DM/120-347 QQQ ETLSN-W-4FT/NG/YY/ZZ/DD/DM/120-347/CCT QQQ | Similar construction, same size, same series LED driver, except tested model with the biggest wattage |

For model ETLSN-W-8FT/FF/YY/DM/120-347 QQQ, the following tests were waived:

| Test | Rationale for Waived Test ⁺ | File Reference | Report Date | Test Record No. |
|--|---|----------------|-------------|-----------------|
| Led Normal Temperature, Surface, General | same construction, same series driver, and same wattage with which is same with ETLSN-W-8FT/FF/YY/DM QQQ (65W) , except input voltage difference. | E474041 | 2022-04-24 | 1 |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

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Report by:

Reviewed by:

Robbin Shi
Project Engineer

Piero Ren
Project Engineer

TEST RECORD NO. 5

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver, LED Array, Input Wiring, Disconnect Connector.

| | |
|--|--------------------------|
| ETLSN-W-2FT/NE/YY/ZZ/DD/DM CCT QQQ | ETLSN-W-2FT/TD/YY/DM QQQ |
| ETLSN-V-2FT/NE/YY/ZZ/DD/DM CCT QQQ | ETLSN-V-2FT/TD/YY/DM QQQ |
| ETLSN-W-3FT/NF/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-3FT/TE/YY/DM QQQ |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Model tested | Test Item | Models presented | Rationale |
|---|--|---------------------------------------|---|
| ETLSN-V- 2FT/NE/YY/ZZ/DD/DM CCT QQQ | Input Test, Dielectric Voltage- Withstand, Led Normal Temperature, Surface, General | ETLSN-W-2FT/NE/YY/ZZ/DD/DM CCT QQQ | Similar construction, same LED driver, same LED array, same input wattage, tested with Minimum luminaire size |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

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Report by:

Reviewed by:

Evan Gao
EngineerPiero Ren
Project Engineer

TEST RECORD NO. 7

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver, LED Array, Input Wiring, Disconnect Connector.

| | |
|---|----------------------------------|
| ETLSN-V-4FT/NH/YY/DM/120-347/CCT/APP QQQ | ETLSN-V-4FT/NH/YY/DM/CCT/APP QQQ |
| ETLSN-W-4FT/NH/YY/DM/120-347/CCT/APP QQQ | ETLSN-W-4FT/NH/YY/DM/CCT/APP QQQ |

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver, LED Array, Input Wiring, Disconnect Connector, and LED controller, Bluetooth Module.

| | |
|---|------------------------------|
| ETLSN-V-8FT/NH/YY/DM/CCT/APP QQQ | ETLSN-V-8FT/NH/YY/DM/CCT QQQ |
| ETLSN-W-8FT/NH/YY/DM/CCT/APP QQQ | ETLSN-W-8FT/NH/YY/DM/CCT QQQ |
| ETLSN-V-8FT/NH/YY/DM/120-347/CCT/APP QQQ | ETLSN-V-8FT/NH/YY/DM/CCT QQQ |
| ETLSN-W-8FT/NH/YY/DM/120-347/CCT/APP QQQ | ETLSN-V-8FT/NH/YY/DM/CCT QQQ |

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver, LED Array.

| | |
|---|---|
| ETLSN-W-2FT/NE/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-2FT/ND/YY/DM/120-347/CCT QQQ |
| ETLSN-W-2FT/NG/YY/ZZ/DD/DM/120-347/CCT QQQ | |
| ETLSN-W-4FT/NL/YY/ZZ/DD/DM QQQ | ETLSN-W-4FT/NH/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-4FT/NP/YY/ZZ/DD/DM/CCT QQQ | |
| ETLSN-W-8FT/NL/YY/ZZ/DD/DM QQQ | |
| ETLSN-W-8FT/NL/YY/ZZ/DD/DM/CCT QQQ | ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ | |
| ETLSN-W-8FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-8FT/NH/YY/ZZ/DD/DM/120-347/CCT QQQ |
| ETLSN-W-8FT/NL/YY/ZZ/DD/DM/120-347 QQQ | |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

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Report by:

Reviewed by:

Robbin Shi
Project Engineer

Alan Wang
Senior Project Engineer

TEST RECORD NO. 8

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate new models (at the left in below table) are same as existing models (at the right in below table) except for LED Driver, LED Array.

| | |
|---|------------------------------------|
| ETLSN-W-4FT/NP/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-4FT/NP/YY/ZZ/DD/DM/CCT QQQ |
| ETLSN-V-4FT/FH/YY/DM/120-347 QQQ | ETLSN-V-4FT/FH/YY/DM QQQ |
| ETLSN-V-8FT/FH/YY/DM/120-347 QQQ | ETLSN-V-8FT/FH/YY/DM QQQ |
| ETLSN-W-8FT/NG/YY/DM/CCT/APP QQQ | ETLSN-W-8FT/NH/YY/DM/CCT/APP QQQ |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750/CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

For model ETLSN-W-8FT/FF/YY/DM/120-347 QQQ, the following tests were waived:

| Test | Model tested | Rationale for Waived Test [†] | Represent model | File Reference | Report Date | Test Record No. |
|---|------------------------------------|---|--|----------------|-------------|-----------------|
| Led Normal Temperature, Surface, General | ETLSN-W-4FT/NP/YY/ZZ/DD/DM/CCT QQQ | same construction, same series driver, and same wattage | ETLSN-W-4FT/NP/YY/ZZ/DD/DM/120-347/CCT QQQ | 2022-04-24 | 2022-04-24 | 7 |
| | ETLSN-V-8FT/FH/YY/DM QQQ | | ETLSN-V-8FT/FH/YY/DM/120-347 QQQ | | | 1 |
| Led Normal Temperature, Surface, General Input Test | ETLSN-W-8FT/NG/YY/DM/CCT QQQ | same construction, same driver. Same LED array, same wattage. | ETLSN-W-8FT/NG/YY/DM/CCT/APP QQQETLSN-W-8FT/NG/YY/DM/CCT/APP QQQ | | | 1 |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

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Report by:

Reviewed by:

Winston Wang
Engineer

Piero Ren
Project Engineer

TEST RECORD NO. 9

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Add alternate model ETLSN-W-4FT/NL/YY/ZZ/DD/YDM/CCT QQQ, which is same with Existed model ETLSN-W-4FT/NL/YY/ZZ/DD/DM QQQ, except LED driver.

Add alternate model ETLSN-W-4FT/NL/YY/ZZ/DD/YDM/120-347 QQQ, which is same with Existed model ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ, except LED driver.

Due to the similarity to the existing construction, only limited tests were considered necessary.

GENERAL:

Test results relate only to the items tested.

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|---|---|----------------|-------------|--|--|
| Input test; LED NORMAL TEMPERATURE (RECESSED LUMINAIRE), GENERAL; DIELECTRIC VOLTAGE-WITHSTAND; | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-W-4FT/NL/YY/ZZ/DD/DM QQQ | ETLSN-W-4FT/NL/YY/ZZ/DD /YDM/CCT QQQ |
| | | | | ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-4FT/NL/YY/ZZ/DD /YDM/120-347 QQQ |

No test was considered necessary based upon engineering judgment.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Reviewed by:

Rita Zhou(T)/Joyce Ren
Engineer/ Engineer Project Associate

Piero Ren
Project Engineer

TEST RECORD NO. 10

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General: Alternate models (at the left in below table) are same as existing models (at the right in below table) except for driver, LED array and CCT switch .

| | |
|---|--|
| ETLSN-W-4FT/NN/YY/DM/120-347/5CCT QQQ | ETLSN-W-4FT/NJ/YY/DM/120-347/CCT QQQ |
| ETLSN-W-4FT/NH/YY/ZZ/DD/DM/120-347/5CCT QQQ | ETLSN-W-4FT/FF/YY/DM/120-347 QQQ |
| ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/5CCT QQQ | ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ |
| ETLSN-W-8FT/NL/YY/ZZ/DD/DM/120-347/5CCT QQQ | ETLSN-W-8FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.
The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|------------|---|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|--|---|
| LED NORMAL TEMPERATURE (RECESSED LUMINAIRE), GENERAL; DIELECTRIC VOLTAGE-WITHSTAND; | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-W-4FT/NJ/YY/DM/120-347/CCT QQQ | ETLSN-W-4FT/NN/YY/DM/120-347/5CCT QQQ |
| | | | | ETLSN-W-4FT/FF/YY/DM/120-347 QQQ | ETLSN-W-4FT/NH/YY/ZZ/DD/DM/120-347/5CCT QQQ |
| | | | | ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-4FT/NL/YY/ZZ/DD/DM/120-347/5CCT QQQ |
| | | | | ETLSN-W-8FT/NL/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-8FT/NL/YY/ZZ/DD/DM/120-347/5CCT QQQ |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Reviewed by:

Lanny Yao(T)/ Bruce Zhu
Engineer(T)/Engineer Project Associate

Piero Ren
Project Engineer

TEST RECORD NO. 11

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General: Alternate models (at the left in below table) are same as existing models (at the right in below table) except for driver and LED array.

| | |
|---|--|
| ETLSN-W-2FT/NF/YY/ZZ/DD/DM/120-347/5CCT QQQ | ETLSN-W-2FT/NE/YY/ZZ/DD/DM CCT QQQ |
| ETLSN-W-3FT/NG/YY/ZZ/DD/DM/120-347/5CCT QQQ | ETLSN-W-3FT/NF/YY/ZZ/DD/DM/120-347/CCT QQQ |
| ETLSN-W-4FT/NI/YY/ZZ/DD/DM/CCT QQQ | ETLSN-W-4FT/NH/YY/ZZ/DD/DM/CCT QQQ |

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.
The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|--|---|
| LED NORMAL TEMPERATURE, SURFACE, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-W-2FT/NE/YY/ZZ/DD/DM CCT QQQ | ETLSN-W-2FT/NF/YY/ZZ/DD/DM/120-347/5CCT QQQ |
| | | | | ETLSN-W-3FT/NF/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-3FT/NG/YY/ZZ/DD/DM/120-347/5CCT QQQ |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Rita Zhou(T)/Joyce Ren
Engineer/ Engineer Project Associate

Reviewed by:

Piero Ren
Project Engineer

TEST RECORD NO. 12

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General:

Alternate models ETLSN-W-4FT/NF/YY/DM/120-347/CCT QQQ is same as existing models ETLSN-W-4FT/FF/YY/DM/120-347 QQQ except for LED driver.

Alternate models ETLSN-W-8FT/NF/65/55/45/DM/CCT QQQ is same as existing models ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ except for LED driver.

Alternate models ETLSN-W-2FT/NE/YY/ZZ/DD/DM CCT QQQ XXYY&&@@## are same as existing models ETLSN-W-2FT/NE/YY/ZZ/DD/DM CCT QQQ except for models' name.

Alternate models ETLSN-W-4FT/NI/YY/ZZ/DD/DM/CCT QQQ XXYY&&@@## are same as existing models ETLSN-W-4FT/NI/YY/ZZ/DD/DM/CCT QQQ except for models' name.

Alternate models ETLSN-W-8FT/NF/65/55/45/DM/CCT QQQ XXYY&&@@## are same as existing models ETLSN-W-8FT/NF/65/55/45/DM/CCT QQQ except for models' name.

Alternate models ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ XXYY&&@@## are same as existing models ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ except for models' name.

Share this report to E474041 Volume 3 Section 23 with no changes.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.
The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|------------|---|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|------------------------------------|--|
| LED NORMAL TEMPERATURE, SURFACE, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-W-4FT/FF/YY/DM/120-347 QQQ | ETLSN-W-4FT/NF/YY/DM/120-347/CCT QQQ |
| | | | | ETLSN-W-8FT/NF/YY/ZZ/DD/DM/CCT QQQ | ETLSN-W-8FT/NF/65/55/45/DM/CCT QQQ |
| STRAIN RELIEF FOR FLEXIBLE CORD | They are same Conduit Fitting and Cord Sets. | E474041 | 2017-12-29 | ETLB6-4FT/6L/FX/260/DM/OP QQQ | ETLSN-W-4FT/NF/YY/DM/120-347/CCT QQQ ETLSN-W-8FT/NF/65/55/45/DM/CCT QQQ |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Rita Zhou(T)/Joyce Ren
Engineer/ Engineer Project Associate

Reviewed by:

Piero Ren
Project Engineer

TEST RECORD NO. 13

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General:

Alternate models ETLSN-W-4FT/NP/80/60/44/DM/CCT QQQ is same as existing models ETLSN-W-4FT/NP/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Alternate models ETLSN-W-8FT/NN/142/126/112/DM/CCT QQQ is same as existing models ETLSN-W-8FT/NL/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Alternate models ETLSN-V-4FT/FJ/32/DM QQQ is same as existing models ETLSN-V-4FT/FH/YY/DM/120-347 QQQ except for LED driver and LED array.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|----------------------------------|--------------------------|
| LED NORMAL TEMPERATURE, SURFACE, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-V-4FT/FH/YY/DM/120-347 QQQ | ETLSN-V-4FT/FJ/32/DM QQQ |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Rita Zhou(T)/Joyce Ren
Engineer/ Engineer Project Associate

Reviewed by:

Piero Ren
Project Engineer

TEST RECORD NO. 14

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General:

Alternate models ETLSN-V-2FT/NF/YY/ZZ/DD/DM/CCT QQQ is same as existing models ETLSN-V-2FT/ND/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Alternate models ETLSN-V-4FT/NG/YY/ZZ/DD/DM/CCT QQQ is same as existing models ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Alternate models ETLSN-V-4FT/NL/YY/ZZ/DD/DM/CCT QQQ is same as existing models ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Alternate models ETLSN-V-8FT/NG/YY/ZZ/DD/DM/CCT QQQ is same as existing models ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|------------------------------------|------------------------------------|
| LED NORMAL TEMPERATURE, SURFACE, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-V-4FT/NL/YY/ZZ/DD/DM/CCT QQQ | ETLSN-V-4FT/NG/YY/ZZ/DD/DM/CCT QQQ |
| | | | | ETLSN-V-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | ETLSN-V-8FT/NG/YY/ZZ/DD/DM/CCT QQQ |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Reviewed by:

Rita Zhou(T)/Joyce Ren
Engineer/ Engineer Project Associate

Piero Ren
Project Engineer

TEST RECORD NO. 15

SAMPLES:

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General:

Alternate models ETLSN-W-4FT/NG/40/32/24/DM/CCT QQQ is same as existing models ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ except for LED driver.

Alternate models ETLSN-W-8FT/NG/80/64/48/DM/CCT QQQ is same as existing models ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ except for LED driver and LED array.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.
The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|--|------------------------------------|
| LED NORMAL TEMPERATURE, SURFACE, GENERAL, DIELECTRIC VOLTAGE-WITHSTAND | They are same except for LED Driver and use same series LED Drivers, which share similar PCB circuit and layout, So engineer's judgment is that there is no need to test. | E474041 | 2022-04-24 | ETLSN-W-4FT/NG/YY/ZZ/DD/DM/120-347/CCT QQQ | ETLSN-W-4FT/NG/40/32/24/DM/CCT QQQ |
| | | | | ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ | ETLSN-W-8FT/NG/80/64/48/DM/CCT QQQ |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Rita Zhou(T)/Joyce Ren/Grace Zheng
 Engineer/Engineer Project
 Associate/Lead Project Engineer

Reviewed by:

Piero Ren
 Project Engineer

TEST RECORD NO. 16

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

General:

Alternate model ETLSN-V-2FT/ND/YY/DM/120-347/CCT QQQ which is same as existing model ETLSN-V-2FT/ND/YY/DM/CCT QQQ except for LED driver and LED array.

Alternate model ETLSN-V-4FT/NH/45/30/25/DM/120-347/CCT QQQ is same as existing model ETLSN-V-4FT/FH/YY/DM/120-347 QQQ except for LED driver and LED array.

Alternate model ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ XXYY&&@## is same as existing model ETLSN-V-4FT/NH/YY/ZZ/DD/DM/CCT QQQ except for model nomenclature.

Alternate model ETLSN-V-8FT/NF/65/60/55/DM/CCT QQQ XXYY&&@## is same as existing model ETLSN-V-8FT/NF/65/60/55/DM/CCT QQQ except for model nomenclature.

Alternate model ETLSN-W-4FT/NP/80/60/44/DM/120-347/CCT QQQ which is same as existing model ETLSN-W-4FT/NP/80/60/44/DM/CCT QQQ except for LED driver.

Alternate model ETLSN-W-8FT/NN/142/126/112/DM/120-347/CCT QQQ which is same as existing model ETLSN-W-8FT/NN/142/126/112/DM/CCT QQQ except for LED driver.

Alternate 2 sensors, cord sets for all ETLSN-V series models input voltage rated 120-277V.

Due to the similarity to the existing construction, only limited test was considered necessary.

GENERAL:

Test results relate only to the items tested.

Tests of the listed below were not considered necessary based on the results of previous investigations.

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|--|---|----------------|-------------|---------------------------------------|---|
| STRAIN RELIEF FOR FLEXIBLE CORD | They share same Conduit Fitting and Cord Sets. | E474041 | 2017-12-29 | ETLB6-4FT/6L/FX/260/DM/OP QQQ | All ETLSN-V series models |
| LED NORMAL TEMPERATURE, SURFACE, GENERAL; DIELECTRIC VOLTAGE-WITHSTAND | They use same series LED Driver and same rated parameters except input voltage. | E474041 | 2022-04-24 | ETLSN-W-4FT/NP/80/60/44/DM/CCT QQQ | ETLSN-W-4FT/NP/80/60/44/DM/120-347/CCT QQQ |
| | | | | ETLSN-W-8FT/NN/142/126/112/DM/CCT QQQ | ETLSN-W-8FT/NN/142/126/112/DM/120-347/CCT QQQ |

Tests conducted with specific models represent other models as tabulated below:

| Model Tested | Tests Conducted | Represents Model | Rational |
|--|-----------------|--------------------------|--|
| ETLSN-V-8FT/NH/YY/ZZ/DD/DM/120-347/CCT QQQ | Input Test | All other ETLSN-V models | Similar construction, tested with highest wattage model. |

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| Led Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Janice Qiu
Engineer Project Associate

Reviewed by:

Piero Ren
Project Engineer

TEST RECORD NO. 17

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate model ETLSN-W-4FT/NG/40/30/25/DM/CCT 277-480 QQQ which is same as existing model ETLSN-W-4FT/NG/YY/ZZ/DD/DM/CCT QQQ except for LED driver.

Alternate model ETLSN-W-8FT/NH/90/75/65/DM/CCT 277-480 QQQ is same as existing model ETLSN-W-8FT/NH/YY/ZZ/DD/DM/CCT QQQ except for LED driver.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|--|--|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |
| LED Normal Temperature, Surface, General | UL 1598/CSA C22.2 No. 250.0, Section 15, 19 |
| Dielectric Voltage-Withstand | UL 1598/CSA C22.2 No. 250.0, Clause 18.1 UL 8750/CSA C22.2 No. 250.13, Clause 8.6/9.4 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2021-06-18 |
| UL 1598 | Luminaires | Fifth | 2021-06-18 |

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Report by:

Euan Wang(T)/Joyce Ren
Engineer Project Associate/ Project Engineer

Reviewed by:

Piero Ren
Project Engineer

TEST RECORD NO. 18

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate model ETLSN-W-8FT/NP/YY/ZZ/DD/DM/CCT QQQ which is same as existing model ETLSN-V-8FT/FH/YY/ZZ/DD/DM QQQ except for LED driver and array.

Alternate model ETLSN-W-4FT/NN/YY/ZZ/DD/DM/CCT QQQ which is same as existing model ETLSN-W-4FT/NF/YY/DM/120-347/CCT QQQ except for LED driver and array.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|------------|---|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|---|--|----------------|-------------|--------------------------------------|------------------------------------|
| NORMAL TEMPERATURE (RECESSED LUMINAIRE), DIELECTRIC VOLTAGE-WITHSTAND, INPUT TEST | THEY ARE SAME EXCEPT FOR LED DRIVER AND USE SAME SERIES LED DRIVERS, WHICH SHARE SIMILAR PCB CIRCUIT AND LAYOUT, TESTED MODELS ARE LARGER POWER THAN REPRESENTED MODELS SO ENGINEER'S JUDGMENT IS THAT THERE IS NO NEED TO TEST. | E474041 | 2022-04-24 | ETLSN-V-8FT/FH/YY/ZZ/DD/DM QQQ | ETLSN-W-8FT/NP/YY/ZZ/DD/DM/CCT QQQ |
| | | | | ETLSN-W-4FT/NF/YY/DM/120-347/CCT QQQ | ETLSN-W-4FT/NN/YY/ZZ/DD/DM/CCT QQQ |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
|------------------------|------------|---------|----------------------|
| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2024-01-31 |
| UL 1598 | Luminaires | Fifth | 2024-01-31 |

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Report by:

Rita Zhou(T)/Joyce Ren
Engineer/Project Engineer

Reviewed by:

Piero Ren
Project Engineer

TEST RECORD NO. 19

Samples of the LED surface mounted luminaires as indicated below and constructed as described within this report, were submitted by the manufacturer for examination and test.

Alternate model ETLSN-W-4FT/NM/YY/ZZ/DD/DM/CCT QQQ which is same as existing model ETLSN-W-4FT/NN/YY/ZZ/DD/DM/CCT QQQ except for LED driver and array.

Alternate model ETLSN-W-8FT/NJ/YY/ZZ/DD/DM/CCT QQQ which is same as existing model ETLSN-W-8FT/NP/YY/ZZ/DD/DM/CCT QQQ except for LED driver and array.

GENERAL:

Test results relate only to the items tested.

The following test were conducted:

| TEST | PARAGRAPH / CLAUSE |
|------------|---|
| Input Test | UL 8750 CSA C22.2 No. 250.13, Clause 8.2/9.2 |

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in the Standards noted above.

Tests conducted with specific models represent other models as tabulated below:

| Test | Rationale for Waived Test | File Reference | Report Date | Model Tested | Models Represented |
|---|--|----------------|-------------|--------------------------------------|------------------------------------|
| NORMAL TEMPERATURE (RECESSED LUMINAIRE), DIELECTRIC VOLTAGE-WITHSTAND, INPUT TEST | THEY ARE SAME EXCEPT FOR LED DRIVER AND USE ALTERNATE LED DRIVERS, WHICH SHARE SIMILAR PCB CIRCUIT AND LAYOUT, TESTED MODELS ARE LARGER POWER THAN REPRESENTED MODELS SO ENGINEER'S JUDGMENT IS THAT THERE IS NO NEED TO TEST. | E474041 | 2022-04-24 | ETLSN-V-8FT/FH/YY/ZZ/DD/DM QQQ | ETLSN-W-8FT/NJ/YY/ZZ/DD/DM/CCT QQQ |
| | | | | ETLSN-W-4FT/NF/YY/DM/120-347/CCT QQQ | ETLSN-W-4FT/NM/YY/ZZ/DD/DM/CCT QQQ |

Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the products evaluated comply with the applicable requirements in the standard(s) noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

| Standard | Title | Edition | Latest Revision Date |
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| CSA C22.2 No. 250.0-21 | Luminaires | Fifth | 2024-01-31 |
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Reviewed by:

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CONCLUSION

Samples of the products covered by this Report have been found to comply with the requirements covering the category and the products are found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify UL certification or that the product(s) described are covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the Certification Mark of UL on such products which comply with UL's Follow-Up Service Procedure and any other applicable requirements of UL LLC. The Certification Mark of UL on the product, or the UL symbol on the product and the Certification Mark of UL on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Listing and Follow-Up Service.

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