

VA OEF/OIF Clinical Expansion
VA259-14-R-0768
Ft. Harrison, MT

Item 1. Ref. Drawings, Sheet E0.1 – LIGHT FIXTURE SCHEDULE - CLINIC

CHANGE the following fixture types to LED light sources or approved equal:

Type A – Cree, Cat. No. ZR24 40L HE 40K 10V

Type B - Cree, Cat. No. ZR22 32L HE 40K 10V

Type C – Lithonia, Cat. No. WL2 18L EZ1 LP840

Type D – Ruud-Beta-Essentia, Cat. No. ESA ADR 6 28 C WD SSGC FF 120 525 43K

Type E – Cree, Cat. No. LS4 40L 40K 10V

Type F - Cree, Cat. No. ZR24 40L HE 40K 10V

Type W – Lithonia OLVTCM

Item 2. Ref. Drawings, Sheet E5.4 – LIGHT FIXTURE SCHEDULE – WAREHOUSE ADDITION

CHANGE the following fixture types to LED light sources or approved equal:

Type A – Cree, Cat. No. ZR24 40L HE 40K 10V

Type C – Cree, Cat. No. LS4 40L 40K 10V

Type D – Ruud-Beta-Essentia, Cat. No. ESA ADR 6 28 C WD SSGC FF 120 525 43K

Type E – Cree, Cat. No. LS4 40L 40K 10V

Type F - Cree, Cat. No. CS14-40L HE-40K-10V/ AC5-48-Q14B-TB/ AC5-12/3-48-Q14B-JB

Type W – Lithonia OLVTCM

Item 3. Ref. Specifications **Section 26 51 00 – Interior Lighting**

ADD Paragraph 2.7, LED Light Fixtures, as follows:

A. General:

1. LED light fixtures shall be in accordance with IES, NFPA, UL, as shown on the drawings, and as specified.
2. LED light fixtures shall be Reduction of Hazardous Substances (RoHS)-compliant.
3. LED drivers shall include the following features unless otherwise indicated:
 - a. Minimum efficiency: 85% at full load.
 - b. Minimum Operating Ambient Temperature: -20° C. (-4° F.)
 - c. Input Voltage: 120 - 277V (±10%) at 60 Hz.
 - d. Integral short circuit, open circuit, and overload protection.
 - e. Power Factor: ≥ 0.95.
 - f. Total Harmonic Distortion: ≤ 20%.
 - g. Comply with FCC 47 CFR Part 15.
4. LED modules shall include the following features unless otherwise indicated:
 - a. Comply with IES LM-79 and LM-80 requirements.
 - b. Minimum CRI 80 and color temperature 3000° K unless otherwise specified in LIGHT FIXTURE SCHEDULE.
 - c. Minimum Rated Life: 50,000 hours per IES L70.
 - d. Light output lumens as indicated in the LIGHTING FIXTURE SCHEDULE.

B. LED Downlights:

1. Housing, LED driver, and LED module shall be products of the same manufacturer.

C. LED Troffers:

1. LED drivers, modules, and reflector shall be accessible, serviceable, and replaceable from below the ceiling.
2. Housing, LED driver, and LED module shall be products of the same manufacturer.