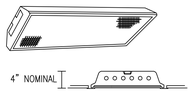


LUMINAIRE REQUIREMENTS:

1. HOUSING – DIE–FORMED, COLD–ROLLED STEEL, WITH REINFORCEMENT RIBS FOR RIGIDITY. ENDCAPS SECURED WITH TABS, SCREWS OR RIVETS. FIXTURE SHALL NOT PERMANENTLY DEFORM OUT OF "SQUARE" WHEN PICKED UP FROM ANY CORNER. DEPTH AS INDICATED UNLESS SPECIFICALLY MANUFACTURED FOR OPTIMAL USE WITH T8 LAMPS.
2. FINISH – MULTI–STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS – 100% ACRYLIC, CLEAR PRISMATIC, PATTERN #12 WITH MINIMUM 0.125" THICKNESS.
4. LAMPS – LINEAR FLUORESCENT T12, TYPICALLY WITH WATTAGES AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE.
5. BALLAST – CLASS P, THERMALLY–PROTECTED, HIGH POWER FACTOR (≥ .95), ELECTRONIC TYPE WITH SOUND RATING A. SEE SPECIFICATION OR LIGHTING FIXTURE SCHEDULE FOR BALLAST OPTIONS AND SPECIFICS.
6. CERTIFICATION – UL LISTED AND LABELED.
7. PHOTOMETRICS – MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU) AND EFFICIENCY, GIVEN INTERIOR CAVITY REFLECTANCES OF 80–50–20:

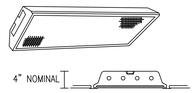
6 LAMP (F40/T12)

RCR	CU
1	63
2	56
3	50
4	45
5	40
6	36

EFFICIENCY – 59.7%

PRISMATIC LENS RECESSED 2' X 4' SURGICAL FLUORESCENT TROFFER

FIXTURE TYPE: A & AE | LIGHTING PLATE: NL–1



LUMINAIRE REQUIREMENTS:

1. HOUSING – DIE–FORMED, COLD–ROLLED STEEL, WITH REINFORCEMENT RIBS FOR RIGIDITY. ENDCAPS SECURED WITH TABS, SCREWS OR RIVETS. FIXTURE SHALL NOT PERMANENTLY DEFORM OUT OF "SQUARE" WHEN PICKED UP FROM ANY CORNER. DEPTH AS INDICATED UNLESS SPECIFICALLY MANUFACTURED FOR OPTIMAL USE WITH T8 LAMPS.
2. FINISH – MULTI–STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH.
3. LENS – 100% ACRYLIC, CLEAR PRISMATIC, PATTERN #12 WITH MINIMUM 0.125" THICKNESS.
4. LAMPS – LINEAR FLUORESCENT T8, TYPICALLY WITH WATTAGES AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE.
5. BALLAST – CLASS P, THERMALLY–PROTECTED, HIGH POWER FACTOR (≥ .95), ELECTRONIC TYPE WITH SOUND RATING A. SEE SPECIFICATION OR LIGHTING FIXTURE SCHEDULE FOR BALLAST OPTIONS AND SPECIFICS.
6. CERTIFICATION – UL LISTED AND LABELED.
7. PHOTOMETRICS – MINIMUM VALUE OF COEFFICIENT OF UTILIZATION (CU) AND EFFICIENCY, GIVEN INTERIOR CAVITY REFLECTANCES OF 80–50–20:

2 LAMP (F32/T8)

RCR	CU
1	80
2	71
3	64
4	57

EFFICIENCY – 77%

3 LAMP (F32/T8)

RCR	CU
1	79
2	70
3	63
4	56

EFFICIENCY – 75%

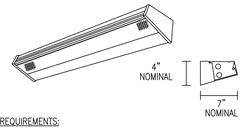
4 LAMP (F32/T8)

RCR	CU
1	76
2	68
3	61
4	54

EFFICIENCY – 71%

PRISMATIC LENS RECESSED 2' X 4' FLUORESCENT TROFFER

FIXTURE TYPE: B | LIGHTING PLATE: NL–1



LUMINAIRE REQUIREMENTS:

1. HOUSING – DIE–FORMED, HEAVY–GAUGE, COLD–ROLLED STEEL WITH ENDCAPS MADE FROM THE SAME MATERIAL AS HOUSING.
2. FINISH – MULTI–STAGE PHOSPHATE BONDING TREATMENT FINISHED WITH HIGH REFLECTANCE (MINIMUM 85%), BAKED WHITE ENAMEL FINISH. DARK BRONZE OR BLACK FINISH AVAILABLE. SEE LIGHTING FIXTURE SCHEDULE.
3. LENS – 100% ACRYLIC, HIGH–IMPACT, CLEAR PRISMATIC DIFFUSER.
4. LAMPS – LINEAR FLUORESCENT T8 TYPICALLY, WITH WATTAGES AS INDICATED. SEE LIGHTING FIXTURE SCHEDULE.
5. BALLAST – CLASS P, THERMALLY–PROTECTED, HIGH POWER FACTOR (≥ .95), ELECTRONIC TYPE WITH SOUND RATING A. SEE SPECIFICATION OR LIGHTING FIXTURE SCHEDULE FOR BALLAST OPTIONS AND SPECIFICS.
6. CERTIFICATION – UL LISTED AND LABELED.
7. FIXTURE TYPES – 4' LENGTH W/ 2–T8 FLUORESCENT LAMPS

WALL–MOUNTED FLUORESCENT

FIXTURE TYPE: C | LIGHTING PLATE: NL–21

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	LAMPS	VOLTAGE	MOUNTING	BASIS OF DESIGN MANUFACTURER CATALOG NUMBER	DESCRIPTION
A	(6) 40WT12	277V	RECESSED	DAY-BRITE 2SLPF640-0FA12RF-277-RF- 3/2 EMB	4' FLUORESCENT RECESSED MOUNTED SURGICAL LIGHT FIXTURE. CRI BETWEEN 5000-6000K, TO MATCH CEILING MOUNTED SURGICAL LIGHT FIXTURES. LOW-FREQUENCY HYBRID ELECTROMAGNETIC RAPID-START BALLAST, <10% THD, WITH a,b,c SWITCHING, RFI RILTERS. UL DAMP LISTED.
AE	(6) 40WT12	277V	RECESSED	DAY-BRITE 2SLPF640-0FA12RF-277-RF- 3/2 EMB	SIMILAR TO TYPE 'A' FIXTURE ABOVE, EXCEPT WITH EMERGENCY BATTERY BALLAST.
B	(2) 28WT8	277V	RECESSED	DAY-BRITE 2TF8232-21-UNV-1/2-EB10R	4' FLUORESCENT RECESSED MOUNTED LIGHT FIXTURE. RAPID-START ELECTRONIC BALLAST, <10% THD, UL DAMP LISTED.
C	(2) 28WT8	277V	SURFACE	DAY-BRITE AVW232-PMW-UNV-1/2-EB10R	4' FLUORESCENT WALL BRACKET LIGHT FIXTURE, DIE-FORMED 20 GAUGE COLD-ROLLED STEEL HOUSING, ELECTRONIC BALLAST, <10% THD, PROGRAM START, UL DAMP LISTED.

FINAL SUBMITTAL
APPROVED FOR CONSTRUCTION

Revisions: | Date

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Drawing Title: ELECTRICAL DETAILS
Approved: Project Director
Project Title: NEW SURGICAL 9TH OR SUITE
Location: Atlanta, Georgia
Date: APRIL 30, 2014 | Checked: RAH | Drawn: KLL
Project Number: 508-14-105
Building Number:
Drawing Number: E300

Office of Construction and Facilities Management
Department of Veterans Affairs

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