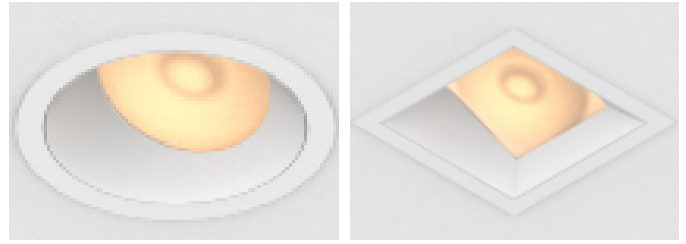


FRAXION® 3 SLIM

WALLWASH

Lots of light in an under-the-radar profile, with multiple design and installation options, ideal for corporate offices and retail settings.

| | |
|---------------|-------|
| PROJECT NAME: | TYPE: |
|---------------|-------|



ORDERING INFORMATION - DOWNLIGHT / HOUSING



Quick Ship Product. All rough in components ship within 10 days up to quantities of 100.



JA8-2019 INDICATED BY SHADING

| SHAPE | TRIM | RATING | FLANGE FINISH | BAFFLE FINISH | LUMEN PACKAGE | CCT | OPTIC | INSTALL TYPE | CEILING THICKNESS | POWER SUPPLY |
|------------|---------------------------------|----------------------|---|---|--|--|-------------------|--|--|---|
| F3R Round | MWW Microflange TWW Trimless | 1 Dry/Damp 2 Wet* | WH White BK Black PR Primer AU Cashmere Gold AG Satin Silver BB Burnt Bronze 00 Trimless* CF Custom Finish* (Consult Factory) | WH White BK Black PR Primer AU Cashmere Gold AG Satin Silver BB Burnt Bronze CF Custom Finish* (Consult Factory) | STATIC WHITE 80C12A 80+ CRI, Delivered Lumens - 679 80C16A 80+ CRI, Delivered Lumens - 934 80C23A 80+ CRI, Delivered Lumens - 1286* *(Not available for IC housing applications) 90C10A 90+ CRI, Delivered Lumens - 583 90C14A 90+ CRI, Delivered Lumens - 799 90C19A 90+ CRI, Delivered Lumens - 1102* *(Not available for IC housing applications) 97C10A 97+ CRI, Delivered Lumens - 519 97C12A 97+ CRI, Delivered Lumens - 711 97C17A 97+ CRI, Delivered Lumens - 982* *(Not available for IC housing applications) | 27 2700K 30 3000K 35 3500K 40 4000K | WW Wallwash Optic | INTEGRAL DRIVER X IC Y NIC C IC, Airtight* *(Chicago Plenum, Airtight & Title 24 compliant housing) REMOTE DRIVER V IC, Remote W NIC, Remote D IC, Airtight, Remote* *(Chicago Plenum, Airtight & Title 24 compliant housing) | 1 0.50" - 1.00" T 0.50" - 1.00"* *(Includes adjustable housing height bracket) | INTEGRAL RP1 120V 1% ELV / TRIAC or 120-277V, 1% 0-10V Analog LOG RN1 120V 1% ELV / TRIAC or 120-277V, 1% 0-10V Analog LIN TR2 120V Philips, 2% Leading/Trailing/Triac* *(Not available for 80C12A, 90C10A, 97C10A) REMOTE (120V) L23 Lutron, Hi-Lume 1% 2-wire REMOTE (120-277V) LH1 Lutron, Hi-Lume 1% Ecosystem EA2 eldoLED, SOLDrive 0.1% 0-10V, LOG LA2 eldoLED, SOLDrive 0.1% 0-10V, LIN ED1 eldoLED, SOLDrive 0.1% DALI, LOG LD1 eldoLED, SOLDrive 0.1% DALI, LIN |
| F3S Square | MWW Microflange TWW Trimless | | | | WARM DIM 90W13A 90+ CRI, Delivered Lumens - 757 | WD 3200K - 1800K | | | | |



PART NUMBER NOTES

- Housing and trim ships as e.g., F3SMWW1-WHWH-90C10A2-3X1-RP1
- Remote driver ships with fixture as e.g., PSF3-RMT-90C-10A-1L23

FRAXION3SLIM WALLWASH

ACCESSORIES

ALTERNATE BAFFLE ASSEMBLY (INCLUDES EFFECTS DEVICE)

| ASSEMBLY | SHAPE | TRIM | RATING | FLANGE FINISH |
|-----------------------------------|------------|---------------------------------|-------------------------|---|
| RBA | | | | |
| REPLACEMENT BAFFLE ASSEMBLY | F3R Round | MWW Microflange TWW Trimless | 1 Dry/ Damp 2 Wet | WH White BK Black PR Primer AU Cashmere Gold AG Satin Silver BB Burnt Bronze CF Custom Finish * *(Consult Factory) |
| | F3S Square | MWW Microflange TWW Trimless | | |

1

REPLACEMENT OPTICS

Interchangeable optics accessible through fixture aperture.

- RO-50-WW-2** Wallwash optic

EMERGENCY LIGHTING - REMOTE MOUNT ONLY

During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

- EMB-S-20/25-120/277-LEDX** 20/25 watt max capacity, 120 or 277 VAC 60Hz, Non-Dimmable
- EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, Dimmable
- EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, Dimmable
- EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz, Dimmable

FRAXION3SLIM WALLWASH

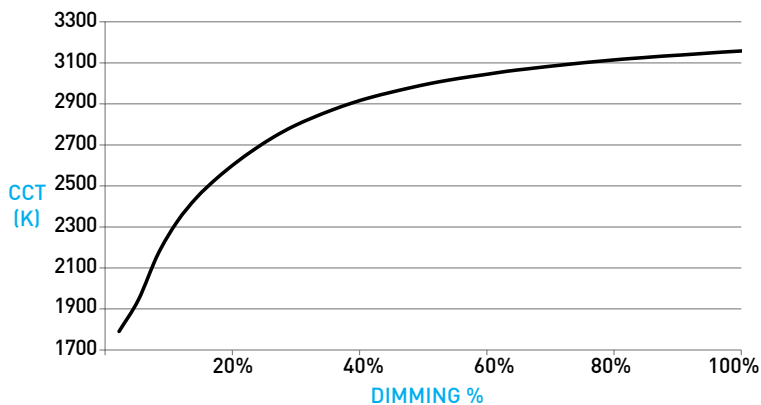
PERFORMANCE - 3000K - SOFT FOCUS LENS

| LUMEN PACKAGE | WATTAGE | WALLWASH OPTIC | |
|---------------|---------|----------------|-----|
| | | DELIVERED | LPW |
| 80C12A | 10 | 679 | 67 |
| 80C16A | 17 | 934 | 66 |
| 80C23A | 21 | 1286 | 61 |
| 90C10A | 10 | 583 | 58 |
| 90C14A | 17 | 799 | 57 |
| 90C19A | 21 | 1102 | 52 |
| 97C10A | 10 | 519 | 51 |
| 97C12A | 17 | 711 | 50 |
| 97C17A | 21 | 982 | 46 |
| 90W13A | 16 | 757 | 47 |

| CCT MULTIPLIER | | | |
|----------------|---------|---------|---------|
| CCT | 80+ CRI | 90+ CRI | 97+ CRI |
| 2700K | 1.158 | 0.957 | 0.873 |
| 3000K | 1.211 | 1.000 | 0.912 |
| 3500K | 1.234 | 1.019 | 0.927 |
| 4000K | 1.249 | 1.030 | 0.940 |

WARM DIM PERFORMANCE

| DETAILED PERFORMANCE | Full on 100% | Dimmed to 80% | Dimmed to 70% | Dimmed to 50% | Dimmed to 20% | Dimmed to 10% | Dimmed to 2% |
|----------------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|
| CCT (K) | 3200 | 3150 | 3100 | 3000 | 2700 | 2200 | 1800 |
| Light Output (Lm) | 1300 | 1050 | 900 | 630 | 250 | 115 | 25 |
| Power (W) | 14 | 11 | 10 | 7 | 3 | 1.5 | 0.3 |
| Efficacy (LPW) | 92 | 93 | 90 | 90 | 83 | 76 | 74 |

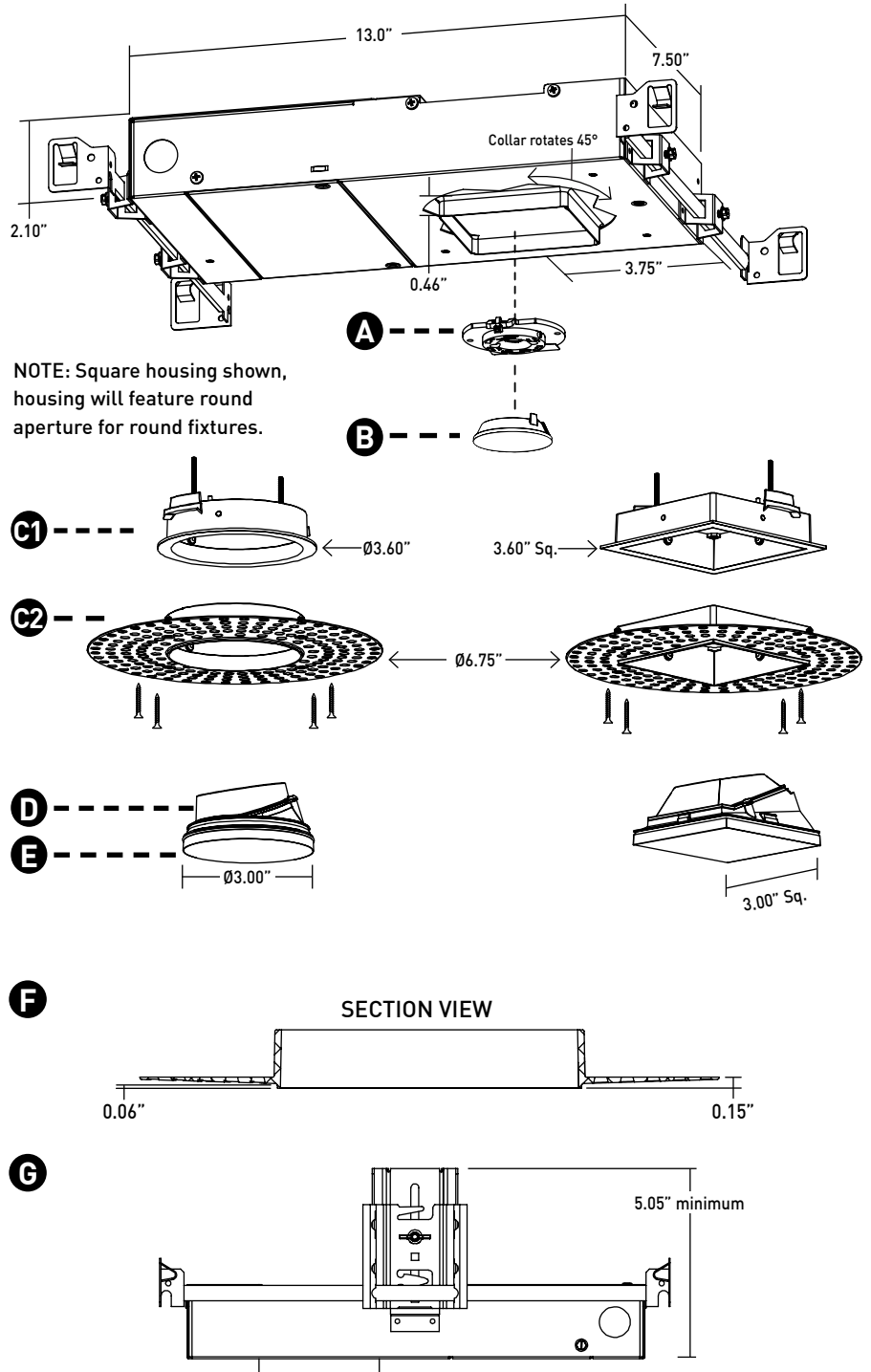


FRAXION3SLIM WALLWASH

DOWNLIGHT / HOUSING

- A LED**
Integral LED module design enables field service / replacement through housing aperture.
- B OPTIC**
Proprietary wallwash optic integrates Reflection, Refraction and TIR principles.
- C1 MICROFLANGE PROFILE**
Features 0.30" flange. Thickness measures 0.06" . Installed after ceiling is complete. Requires 3.375" diameter cutout. Wet location features integral silicone gasket.
- C2 TRIMLESS PROFILE**
Installs totally flush with the ceiling with no visible trim. Appliqué includes screws for mounting and has 0.06" plaster stop. Not recommended for stucco applications.
- D EFFECTS DEVICES**
Asymmetrical spread lens, included and sealed in Wet location option, combined with angled optic and wide aperture enhance uniformity. Fixture limited to 1 effects device. Suction tool provided for removal of baffle with Wet location.
- E BAFFLE**
Die-cast baffle minimizes aperture glare and conceals view into housing; includes silicone gasket.
- F APPLIQUÉ DETAIL**
Appliqué for plaster floating directly to baffle.
- G ADJUSTABLE HANGER BAR HEIGHT ACCESSORY**
Provided with ceiling thickness "T" and recommended for installations in T-Grid and with furring channel. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.5" to 1.0" max.

DIMENSIONS / DRAWINGS

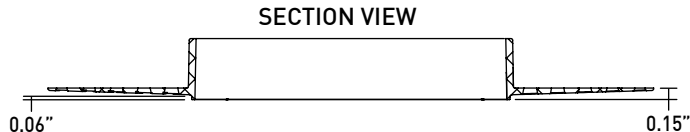


FRAXION3SLIM WALLWASH

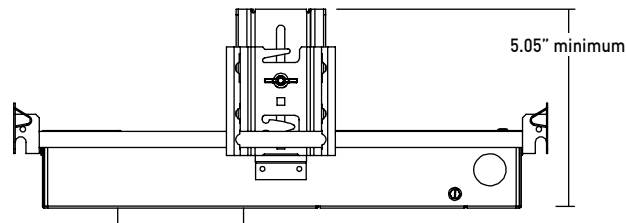
DOWNLIGHT / HOUSING

- H APPLIQUÉ DETAIL**
Appliqué for plaster floating directly to baffle.
- I ADJUSTABLE HANGER BAR HEIGHT ACCESSORY**
Provided with ceiling thickness "T" and recommended for installations in T-Grid and with furring channel. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.5" to 1.0" max.
- J IC HOUSING**
 - For IC ceilings.
 - Chicago Plenum, Airtight and Title 24 (JA8) listed.
 - No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.
- K NIC HOUSING**
 - Minimum 0.50" setback from combustible and non-combustible materials on all sides and top of housing.
 - Minimum 3.00" setback from insulation material having max R-Value 30 on all sides and top of housing.
 - Minimum 6.00" setback from polycell spray foam insulation having max R-Value 60.
- L REMOTE POWER SUPPLY**
Provided with install Types "V", "W" and "D". Remote power supply provides additional driver options. Consult installation guide for maximum allowable secondary run lengths between PS-RMT and fixture. Must be installed in an accessible location.

H



I



J / K

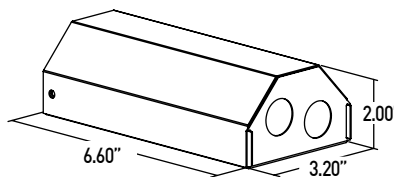


IC HOUSING FEATURES STRIP GASKETS

HOUSING NOTES

- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.
- Hanger bars fitted to short side of housing, extend from 14.0" to 24.0", but may be field cut to accommodate narrow stud spacing.
- Hanger bars and brackets add 4.00" to the overall dimension, but are exclusive of the setback requirements.
- Housings for round trims feature a round aperture housing collar, and for square trims, a square housing collar, accommodating ceiling thicknesses between 0.50" and 1.00".

L



FRAXION3SLIM WALLWASH

TECHNICAL

CONSTRUCTION

Downlight: Painted finishes are granulated powder coat.

Housing: Aluminum and 22 Gauge galvanized steel. Extruded aluminum housing panel to act as heat-sink.

Remote Power Supply: 22 Gauge galvanized steel.

Appliqué: Zinc alloy.

LED

Proprietary Citizen 2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

WARM DIM LED

Proprietary 3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3200K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

| Power Supply | RP1 | RN1 | TR2 | LH1 | L23 | EA2 | LA2 | ED1 | LD1 |
|--------------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
| Minimum °C | -10 °C | -10 °C | -20 °C | 0 °C | 0 °C | -20 °C | -20 °C | -20 °C | -20 °C |
| Maximum °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C | 40 °C |
| Dimming % | 1.0% | 1.0% | 2.0% | 1.0% | 1.0% | 0.1% | 0.1% | 0.1% | 0.1% |

Note: For TR2, L23, LH1, LP1, EA2 and LA2 drivers consult chart on page 7 to confirm appropriate dimming curve for compatibility with selected control.

SPACING

Recommended fixture spacing is 36" on center with 36" setback from wall plane.

LISTING

cTUVus listed to UL1598 standard for Dry / Damp and Wet locations.

Chicago Plenum, Airtight and Title 24 JA8-2019 Listed.

U.S. Patent: 10,317,066

WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller and conditional upon the use of manufacturer-supplied power supply. [Consult website for full warranty terms and conditions.](#)

CHANGE LOG

- 03/09/2020: ADDED TRIMLESS TO FLANGE FINISH OPTIONS
- 02/05/2020: REMOVED AN4, CA2, CE2, AND LN2 DRIVERS AND ADDED RN1 AND RP1 DRIVERS
- 10/08/2019: NEW CONSOLIDATED SPEC SHEET WITH SINGLE NOMENCLATURE FOR SPECIFICATION
- 10/08/2019: ADDITIONAL PHOTOMETRIC INFORMATION NOW AVAILABLE ON SPEC SHEET

FRAXION3SLIM WALLWASH

DIMMING COMPATIBILITY

PHILIPS DRIVER COMPATIBILITY

| Power supply TR2 Manufacturer | Family/Model # |
|---|----------------|
| Lutron Electronics | DV-600P |
| Lutron Electronics | DVELV-303P |
| Lutron Electronics | NTELV-600 |
| Lutron Electronics | MAELV-600 |
| Lutron Electronics | SELV-300P |
| Lutron Electronics | DVLV-600P |
| Lutron Electronics | NFTU-5A |
| Lutron Electronics | CTCL-153P |
| Lutron Electronics | GL-600H |
| Lutron Electronics | S-600P |
| Lutron Electronics | PHPM |

LUTRON DRIVER COMPATIBILITY

| Power supply L23 Lutron Product Family | Part No. |
|---|----------------------------------|
| Maestro WirelessR 600 W dimmer | MRF2-6ND-120- |
| Maestro WirelessR 1000 W dimmer | MRF2-10ND-120- |
| Caséta® Wireless Pro 1000 W dimmer | PD-10NXD- |
| GRAFIK T™ CL® dimmer | GT-250M-GTJ-250M- |
| HomeWorks® QS adaptive dimmer | HQRD-6NA- |
| HomeWorks® QS 600 W dimmer | HQRD-6ND- |
| HomeWorks® QS 1000 W dimmer | HQRD-10ND- |
| RadioRA® 2 adaptive dimmer | RRD-6NA- |
| RadioRA® 2 1000 W dimmer | RRD-10ND |
| myRoom™ DIN power module | MQSE-4A1-D |
| HomeWorks® QS DIN power module | LQSE-4A1-D |
| HomeWorks® QS wallbox power module | HQRJ-WPM-6D-120 |
| HomeWorks® wallbox power module | HWI-WPM-6D-120 |
| GRAFIK Eye® QS control unit | QSGR-, QSGRJ- |
| GRAFIK Eye® 3000 control unit | GRX-3100-GRX-3500- |
| RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®) | HW-RPM-4U-120 LP-RPM-4U-120 |
| RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®) | HW-RPM-4A-120 LP-RPM-4A-120 |
| GP dimming panels | Various |
| Ariadni CL 250W dimmer | AYCL-253P- |
| Diva CL 250W dimmer | DVCL-253P-DCSCCL-253P- |
| Nova T CL 250W dimmer | NTCL-250- |
| Power supply LH1 / LP1 Lutron Product Family | Part No. |
| PowPak Dimming Modules | RMJ-ECO32-DV-B |
| PowPak Dimming Modules | FCJ/FCJS-ECO |
| Energi Savr Nodes | QSN-1ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSN-2ECO-S |
| GRAFIK Eye QS control unit Homeworks QS control unit | QSGRJ- _E (wireless) QSGR- _E |
| Quantum Hub | QP2-__ 2C |
| Quantum Hub | QP2-__ 4C |
| Quantum Hub | QP2-__ 6C |
| Quantum Hub | QP2-__ 8C |
| Homeworks QS power module myRoom Plus power module | LQSE-2ECO-D |

eldoLED DRIVER COMPATIBILITY

| Power supply EA2 / LA2 Dimmer / Switch Control Manufacturer | Family/Model # |
|--|--------------------------------|
| Busch-Jaeger | 2112U-101 |
| Jung | 240-10 |
| Leviton Lighting Controls | IP710-DLX |
| Lightolier Controls | ZP600FAM120 |
| Lutron Electronics | Nova T® - NTFTV |
| Lutron Electronics | Diva® - DVTV |
| Lutron Electronics | Nova® - NFTV |
| Merten | 5729 |
| Pass & Seymour | CD4FB-W |
| The Watt Stopper | DCLV1 |
| Sensor Switch | nI0 EZ |
| Synergy | ISD BC |
| Power supply EA2 / LA2 Lighting Control System Manufacturer | Family/Model # |
| Lutron Electronics | GrafixEye® GRX-TVI w GRX3503 |
| Lutron Electronics | Energy Savr Node™ - QSN-4T16-S |
| Lutron Electronics | TVM2 Module |
| Crestron® | GLX-DIMFLV8 |
| Crestron® | GLXP-DIMFLV8 |
| Crestron® | GLPAC-DIMFLV4-* |
| Crestron® | GLPAC-DIMFLV8-* |
| Crestron® | GLPP-DIMFLVEX-PM |
| Crestron® | GLPP-1DIMFLV2EX-PM |
| Crestron® | GLPP-1DIMFLV3EX-PM |
| Crestron® | DIN-A08 |
| Crestron® | DIN-4DIMFLV4 |
| Crestron® | CLS-EXP-DIMFLV |
| Crestron® | CLCI-1DIMFLV2EX |
| ABB | SD/S 2.16.1 |



FRAXION3SLIM WALLWASH

DRIVE CURRENT SPECIFICS

| | 80C | | | 90C | | | 97C | | | 90W |
|------------|------|------|------|------|------|------|------|------|------|----------|
| | 12A | 16A | 23A | 10A | 14A | 19A | 10A | 12A | 17A | 13A |
| Minimum Vf | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| Maximum Vf | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| Current mA | 250 | 350 | 500 | 250 | 350 | 500 | 250 | 350 | 500 | 14 - 350 |
| Wattage W | 8.2 | 11.8 | 17.4 | 8.2 | 11.8 | 17.4 | 8.2 | 11.8 | 17.4 | 14 |