

This Is An Original Product From Fulham Co., Inc.

Description: WORKHORSE Speciier Grade Series Electronic Ballast, Drop In Replacement

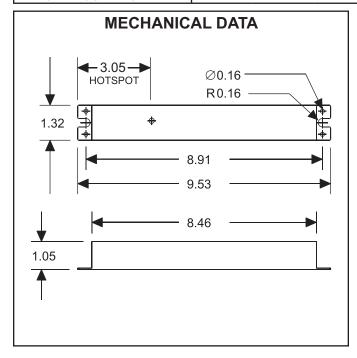
For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

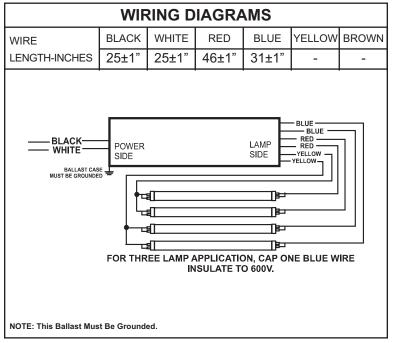
This Ballast Will Operate Following Lamps:

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FBO28T8, FBO31T8, FBO32T8, F32T8 F32T8, F40T8

ELECTRICAL DATA

| INPUT VOLT | 120V ± 10%, 50/60Hz | | | | | | | | | | |
|-------------------------|------------------------------|----------|----------|-----------|-------------|-----------|---------|--------|--------|--|--|
| LAMP WATTS/TYPE | F25T8 | F32T8/25 | F32T8/28 | F32T8/30 | FBO28T8 | FBO31T8 | FBO32T8 | F32T8 | F40T8 | | |
| LAMPS OPERATED | 3 (THREE) | | | | | | | | | | |
| INPUT WATTS | 62 | 68 | 70 | 75 | 70 | 76 | 81 | 81 | 98 | | |
| LINE CURRENT | 0.53 | 0.57 | 0.59 | 0.63 | 0.59 | 0.64 | 0.68 | 0.68 | 0.82 | | |
| POWER FACTOR | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | | |
| BALLAST FACTOR | 0.84 | 0.84 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | | |
| BALLAST EFFICACY FACTOR | 1.35 | 1.23 | 1.17 | 1.09 | 1.17 | 1.07 | 1.01 | 1.01 | 0.83 | | |
| THD | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | | |
| CURRENT CREST FACTOR | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | | |
| EMI/RFI COMPLIANCE | FCC PART 18-A (NON-CONSUMER) | | | | | | | | | | |
| SOUND RATING | | | | | "A" | | | | | | |
| BALLAST TYPE | | | | IN: | STANT STA | RT | | | | | |
| VOLTAGE TRANSIENTS | | | | AN | SI C82.11-2 | 005 | | | | | |
| INPUT/PROTECTION | | | | | FUSE | | | | | | |
| OUTPUT/PROTECTION | | | | | - | | | | | | |
| MIN. STATING TEMP. | | | | | -18°C (0°F) | | | | | | |
| MAX. CASE TEMP. | | | | (| 90°C (194°F |) | | | | | |
| TYPE "HL" APPROVAL | | | APP | ROVED FO | R HAZARD | OUS LOCA | TION | | | | |
| ENERGY STAR 4.0 | | | | | - | | | | | | |
| APPROVALS/CLASS | | | UL | cul liste | D. CLASS F | , 1 OUTDO | OR | | | | |
| REMOTE MOUNTING | | | | | 18 FT MAX | | | | | | |







This Is An Original Product From Fulham Co., Inc.

Description: WORKHORSE Speciier Grade Series Electronic Ballast, Drop In Replacement

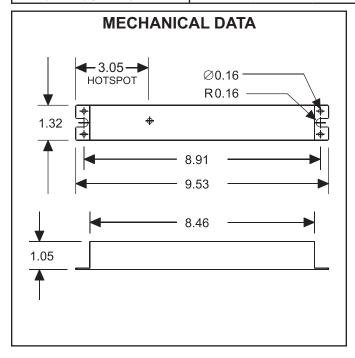
For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

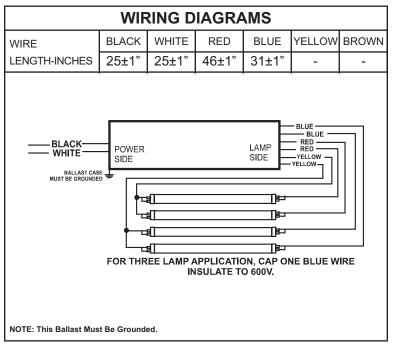
This Ballast Will Operate Following Lamps:

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FBO28T8, FBO31T8, FBO32T8, F32T8 F32T8, F40T8

ELECTRICAL DATA

| INPUT VOLT | 120V ± 10%, 50/60Hz | | | | | | | | | | | |
|-------------------------|------------------------------|----------|----------|------------|-------------|------------|---------|---------|--------|--|--|--|
| LAMP WATTS/TYPE | F17T8 | F25T8 | F32T8/25 | F32T8/28 | F32T8/30 | FBO28T8 | FBO31T8 | FBO32T8 | F32T8 | | | |
| LAMPS OPERATED | | 4 (FOUR) | | | | | | | | | | |
| INPUT WATTS | 54 | 76 | 82 | 84 | 90 | 84 | 94 | 98 | 98 | | | |
| LINE CURRENT | 0.46 | 0.64 | 0.69 | 0.71 | 0.76 | 0.71 | 0.79 | 0.82 | 0.82 | | | |
| POWER FACTOR | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | | | |
| BALLAST FACTOR | 0.79 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | | | |
| BALLAST EFFICACY FACTOR | 1.46 | 1.02 | 0.95 | 0.91 | 0.85 | 0.91 | 0.81 | 0.79 | 0.79 | | | |
| THD | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | | | |
| CURRENT CREST FACTOR | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | | | |
| EMI/RFI COMPLIANCE | FCC PART 18-A (NON-CONSUMER) | | | | | | | | | | | |
| SOUND RATING | | | | | "A" | | | | | | | |
| BALLAST TYPE | | | | IN: | STANT STA | RT | | | | | | |
| VOLTAGE TRANSIENTS | | | | AN | SI C82.11-2 | 005 | | | | | | |
| INPUT/PROTECTION | | | | | FUSE | | | | | | | |
| OUTPUT/PROTECTION | | | | | - | | | | | | | |
| MIN. STATING TEMP. | | | | | -18°C (0°F |) | | | | | | |
| MAX. CASE TEMP. | | | | (| 90°C (194°F |) | | | | | | |
| TYPE "HL" APPROVAL | | | APP | ROVED FO | R HAZARD | OUS LOCA | TION | | | | | |
| ENERGY STAR 4.0 | | | | | - | | | | | | | |
| APPROVALS/CLASS | | | UL | /cUL LISTE | D. CLASS F | P, 1 OUTDO | OR | | | | | |
| REMOTE MOUNTING | | | | • | 18 FT MAX | | | | | | | |







This Is An Original Product From Fulham Co., Inc.

Description: WORKHORSE Speciier Grade Series Electronic Ballast, Drop In Replacement

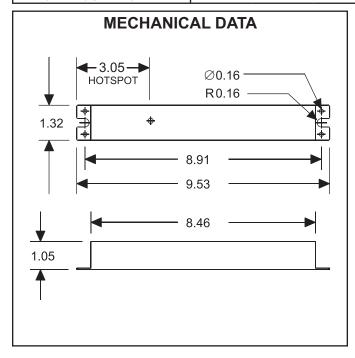
For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

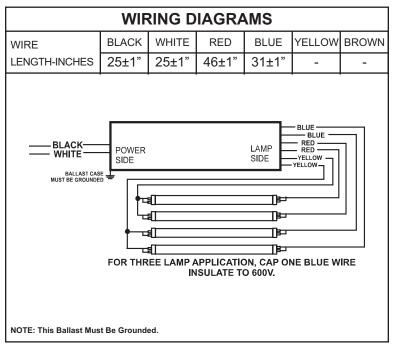
This Ballast Will Operate Following Lamps:

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FBO28T8, FBO31T8, FBO32T8, F32T8 F32T8, F40T8

ELECTRICAL DATA

| INPUT VOLT | 230V ± 10%, 50/60Hz | | | | | | | | | | |
|-------------------------|------------------------------|-------------------------|-------------|-----------|-------------|-----------|---------|--------|--------|--|--|
| LAMP WATTS/TYPE | F25T8 | F32T8/25 | F32T8/28 | F32T8/30 | FBO28T8 | FBO31T8 | FBO32T8 | F32T8 | F40T8 | | |
| LAMPS OPERATED | 3 (THREE) | | | | | | | | | | |
| INPUT WATTS | 61 | 61 66 70 74 70 77 80 80 | | | | | | | | | |
| LINE CURRENT | 0.28 | 0.30 | 0.31 | 0.33 | 0.31 | 0.35 | 0.35 | 0.35 | 0.43 | | |
| POWER FACTOR | = 0.95 | = 0.95 | = 0.97 | = 0.97 | = 0.97 | = 0.97 | = 0.98 | = 0.98 | = 0.98 | | |
| BALLAST FACTOR | 0.84 | 0.84 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | | |
| BALLAST EFFICACY FACTOR | 1.36 | 1.27 | 1.17 | 1.10 | 1.17 | 1.06 | 1.02 | 1.02 | 0.85 | | |
| THD | = 15% | = 15% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | | |
| CURRENT CREST FACTOR | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | | |
| EMI/RFI COMPLIANCE | FCC PART 18-A (NON-CONSUMER) | | | | | | | | | | |
| SOUND RATING | | | | | "A" | | | | | | |
| BALLAST TYPE | | | | IN: | STANT STA | RT | | | | | |
| VOLTAGE TRANSIENTS | | | | AN | SI C82.11-2 | 005 | | | | | |
| INPUT/PROTECTION | | | | | FUSE | | | | | | |
| OUTPUT/PROTECTION | | | | | - | | | | | | |
| MIN. STATING TEMP. | | | | | -18°C (0°F) | | | | | | |
| MAX. CASE TEMP. | | | | (| 90°C (194°F |) | | | | | |
| TYPE "HL" APPROVAL | | | APP | ROVED FO | R HAZARD | OUS LOCA | TION | | | | |
| ENERGY STAR 4.0 | | | | | - | | | | | | |
| APPROVALS/CLASS | | | UL | cul liste | D. CLASS F | , 1 OUTDO | OR | | | | |
| REMOTE MOUNTING | | | | | 18 FT MAX | | | | | | |







This Is An Original Product From Fulham Co., Inc.

Description: WORKHORSE Speciier Grade Series Electronic Ballast, Drop In Replacement

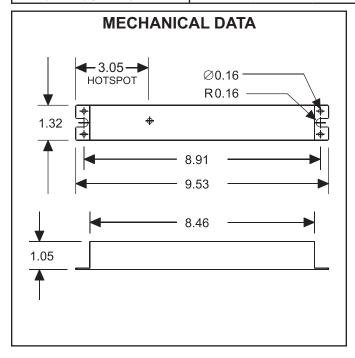
For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

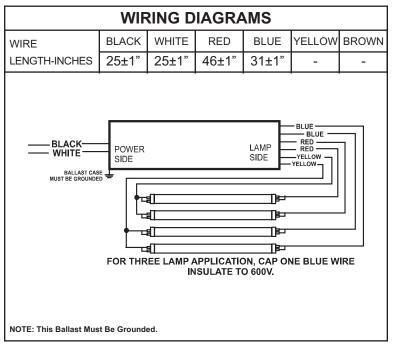
This Ballast Will Operate Following Lamps:

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FBO28T8, FBO31T8, FBO32T8, F32T8 F32T8, F40T8

ELECTRICAL DATA

| INPUT VOLT | 230V ± 10%, 50/60Hz | | | | | | | | | | |
|-------------------------|------------------------------|-------------------------|----------|-----------|-------------|------------|---------|---------|--------|--|--|
| LAMP WATTS/TYPE | F17T8 | F25T8 | F32T8/25 | F32T8/28 | F32T8/30 | FBO28T8 | FBO31T8 | FBO32T8 | F32T8 | | |
| LAMPS OPERATED | 4 (FOUR) | | | | | | | | | | |
| INPUT WATTS | 52 | 52 74 81 84 89 84 92 96 | | | | | | | | | |
| LINE CURRENT | 0.23 | 0.33 | 0.36 | 0.38 | 0.39 | 0.37 | 0.41 | 0.43 | 0.43 | | |
| POWER FACTOR | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | | |
| BALLAST FACTOR | 0.79 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | | |
| BALLAST EFFICACY FACTOR | 1.47 | 1.04 | 0.96 | 0.91 | 0.86 | 0.91 | 0.83 | 0.80 | 0.80 | | |
| THD | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | | |
| CURRENT CREST FACTOR | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | | |
| EMI/RFI COMPLIANCE | FCC PART 18-A (NON-CONSUMER) | | | | | | | | | | |
| SOUND RATING | | | | | "A" | | | | | | |
| BALLAST TYPE | | | | IN: | STANT STA | RT | | | | | |
| VOLTAGE TRANSIENTS | | | | AN | SI C82.11-2 | 005 | | | | | |
| INPUT/PROTECTION | | | | | FUSE | | | | | | |
| OUTPUT/PROTECTION | | | | | - | | | | | | |
| MIN. STATING TEMP. | | | | | -18°C (0°F |) | | | | | |
| MAX. CASE TEMP. | | | | į. | 90°C (194°F |) | | | | | |
| TYPE "HL" APPROVAL | | | APP | ROVED FO | R HAZARD | OUS LOCA | TION | | | | |
| ENERGY STAR 4.0 | | | | | - | | | | | | |
| APPROVALS/CLASS | | | UL | cUL LISTE | D. CLASS F | P, 1 OUTDO | OR | | | | |
| REMOTE MOUNTING | | | | | 18 FT MAX | | | | | | |







This Is An Original Product From Fulham Co., Inc.

Description: WORKHORSE Speciier Grade Series Electronic Ballast, Drop In Replacement

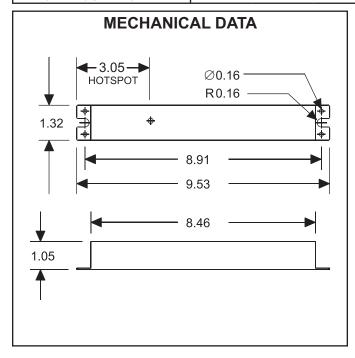
For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

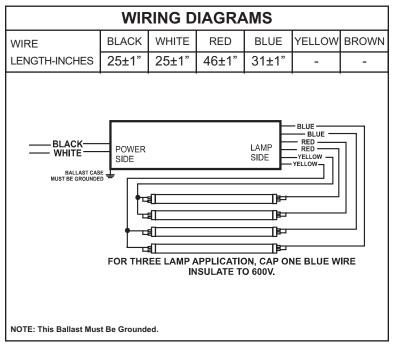
This Ballast Will Operate Following Lamps:

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FBO28T8, FBO31T8, FBO32T8, F32T8 F32T8, F40T8

ELECTRICAL DATA

| INPUT VOLT | 277V ± 10%, 50/60Hz | | | | | | | | | | |
|-------------------------|------------------------------|-------------------------|----------|------------|-------------|-----------|---------|--------|--------|--|--|
| LAMP WATTS/TYPE | F25T8 | F32T8/25 | F32T8/28 | F32T8/30 | FBO28T8 | FBO31T8 | FBO32T8 | F32T8 | F40T8 | | |
| LAMPS OPERATED | 3 (THREE) | | | | | | | | | | |
| INPUT WATTS | 61 | 61 66 70 74 70 77 80 80 | | | | | | | | | |
| LINE CURRENT | 0.22 | 0.25 | 0.26 | 0.275 | 0.26 | 0.285 | 0.29 | 0.29 | 0.35 | | |
| POWER FACTOR | = 0.95 | = 0.95 | = 0.97 | = 0.97 | = 0.97 | = 0.97 | = 0.98 | = 0.98 | = 0.98 | | |
| BALLAST FACTOR | 0.84 | 0.84 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | | |
| BALLAST EFFICACY FACTOR | 1.36 | 1.27 | 1.17 | 1.10 | 1.17 | 1.06 | 1.02 | 1.02 | 0.85 | | |
| THD | = 15% | = 15% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | | |
| CURRENT CREST FACTOR | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | | |
| EMI/RFI COMPLIANCE | FCC PART 18-A (NON-CONSUMER) | | | | | | | | | | |
| SOUND RATING | | | | | "A" | | | | | | |
| BALLAST TYPE | | | | IN: | STANT STA | RT | | | | | |
| VOLTAGE TRANSIENTS | | | | AN | SI C82.11-2 | 005 | | | | | |
| INPUT/PROTECTION | | | | | FUSE | | | | | | |
| OUTPUT/PROTECTION | | | | | - | | | | | | |
| MIN. STATING TEMP. | | | | | -18°C (0°F |) | | | | | |
| MAX. CASE TEMP. | | | | į. | 90°C (194°F |) | | | | | |
| TYPE "HL" APPROVAL | | | APP | ROVED FO | R HAZARD | OUS LOCA | TION | | | | |
| ENERGY STAR 4.0 | · | | | | - | | | | | | |
| APPROVALS/CLASS | | | UL | /cUL LISTE | D. CLASS F | , 1 OUTDO | OR | | | | |
| REMOTE MOUNTING | | | | | 18 FT MAX | | | | | | |







This Is An Original Product From Fulham Co., Inc.

Description: WORKHORSE Speciier Grade Series Electronic Ballast, Drop In Replacement

For Magnetic Ballast, Parallel Lamp Operation, THD Less Than 10%

This Ballast Will Operate Following Lamps:

F17T8, F25T8, F32T8/25, F32T8/28, F32T8/30, FBO28T8, FBO31T8, FBO32T8, F32T8 F32T8, F40T8

ELECTRICAL DATA

| INPUT VOLT | 277V ± 10%, 50/60Hz | | | | | | | | | | | |
|-------------------------|---------------------|----------|----------|------------|-------------|------------|---------|---------|--------|--|--|--|
| LAMP WATTS/TYPE | F17T8 | F25T8 | F32T8/25 | F32T8/28 | F32T8/30 | FBO28T8 | FBO31T8 | FBO32T8 | F32T8 | | | |
| LAMPS OPERATED | | 4 (FOUR) | | | | | | | | | | |
| INPUT WATTS | 52 | 74 | 81 | 84 | 89 | 84 | 92 | 96 | 96 | | | |
| LINE CURRENT | 0.19 | 0.27 | 0.3 | 0.31 | 0.33 | 0.31 | 0.34 | 0.35 | 0.35 | | | |
| POWER FACTOR | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | = 0.98 | | | |
| BALLAST FACTOR | 0.79 | 0.78 | 0.78 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | | | |
| BALLAST EFFICACY FACTOR | 1.47 | 1.04 | 0.96 | 0.91 | 0.86 | 0.91 | 0.83 | 0.80 | 0.80 | | | |
| THD | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | = 10% | | | |
| CURRENT CREST FACTOR | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | = 1.7 | | | |
| EMI/RFI COMPLIANCE | | | F | CC PART 1 | 8-A (NON-0 | CONSUMER | ₹) | | | | | |
| SOUND RATING | | | | | "A" | | | | | | | |
| BALLAST TYPE | | | | IN | STANT STA | .RT | | | | | | |
| VOLTAGE TRANSIENTS | | | | AN | SI C82.11-2 | 2005 | | | | | | |
| INPUT/PROTECTION | | | | | FUSE | | | | | | | |
| OUTPUT/PROTECTION | | | | | - | | | | | | | |
| MIN. STATING TEMP. | | | | | -18°C (0°F |) | | | | | | |
| MAX. CASE TEMP. | | | | (| 90°C (194°F | -) | | | | | | |
| TYPE "HL" APPROVAL | | | APP | ROVED FO | R HAZARD | OUS LOCA | TION | | | | | |
| ENERGY STAR 4.0 | | | | | - | | | | | | | |
| APPROVALS/CLASS | | | UL | /cUL LISTE | D. CLASS F | P, 1 OUTDO | OR | | | | | |
| REMOTE MOUNTING | | | - | - | 18 FT MAX | | | | | | | |

