



## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

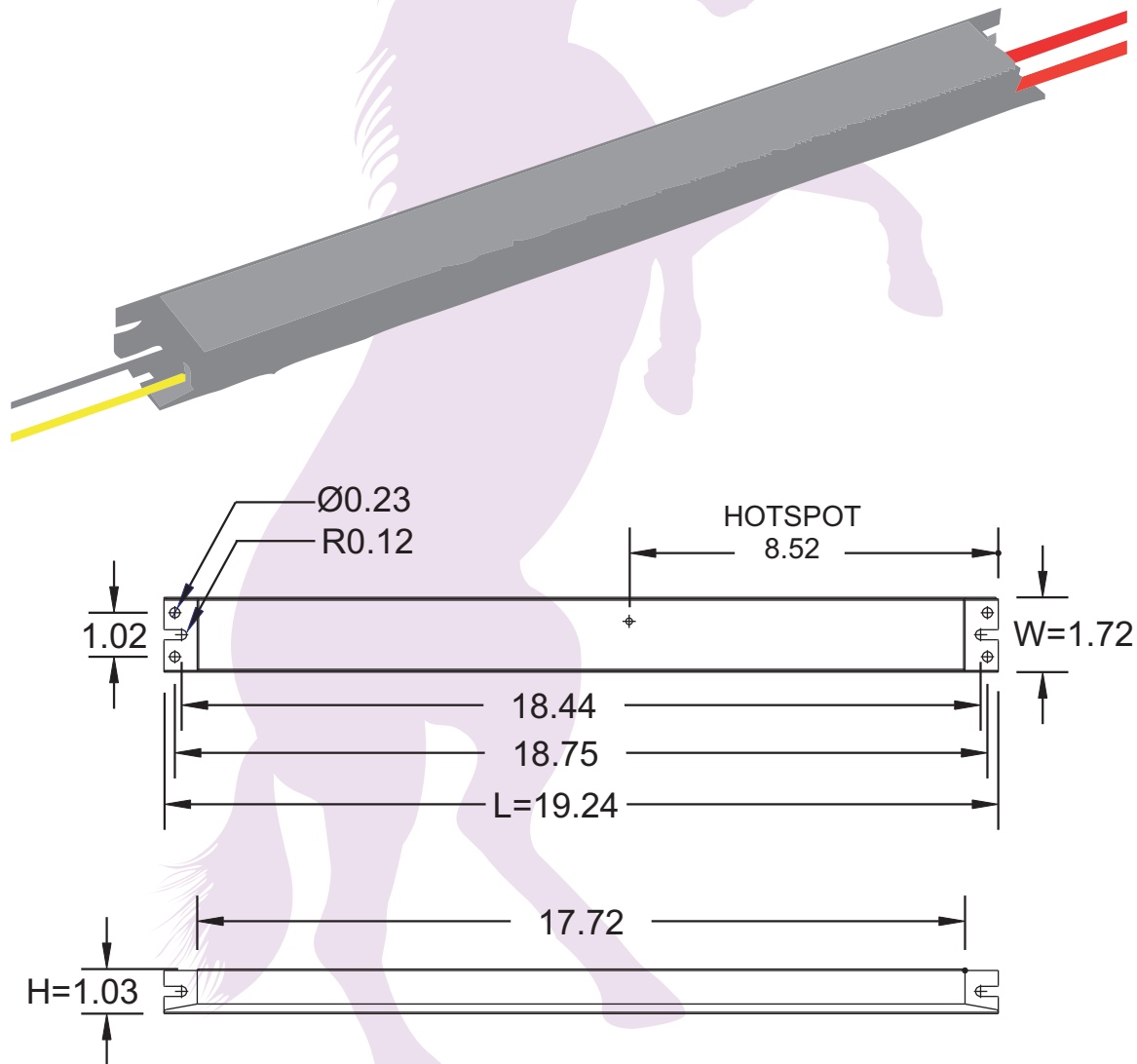
**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**

### ELECTRICAL/MECHANICAL DATA (120V APPLICATION)

| WIRE            | BLACK   | WHITE   | RED     | BLUE | YELLOW  | BROWN |
|-----------------|---------|---------|---------|------|---------|-------|
| LENGTH - INCHES | 12 ± 1" | 12 ± 1" | 36 ± 1" | -    | 36 ± 1" | -     |

WIRING DIAGRAMS REFER TO FULHAM's CATALOGUE  
NOTE : This Ballast Must Be Grounded



Fulham Co., Inc extends limited warranty only to the original purchaser or to the first user for the period of 5 years from the date of manufacture as indicated by the date code stamped on each product and when properly installed and under normal conditions of use. For additional warranty guide line, please refer to our Complete Product Catalog OR call Customer Service at 1-323-599-5000.

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Address : 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-599-5000, Fax.: 1-323-754-9060. Website: [www.fulham.com](http://www.fulham.com) 2006-167-1 Rev B



## SPECIFICATION SHEET : WH8-120-L

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**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



**TWIN(CFT/E), 4 PIN**

### ELECTRICAL DATA ( FOR 120V APPLICATION)

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|
| LAMP WATTS/TYPE                 | CFT36W                                 | CFT36W | CFT40W | CFT36W | CFT40W | CFT50W | CFT36W | CFT40W |
| LAMPS OPERATED                  | 6                                      | 5      |        | 4      |        |        | 3      |        |
| WIRING DIAGRAM #                | 29                                     | 28     |        | 27     |        |        | 25     |        |
| INPUT WATTS                     | 185                                    | 164    | 221    | 141    | 189    | 193    | 114    | 152    |
| LINE CURRENT                    | 1.64                                   | 1.45   | 1.96   | 1.25   | 1.67   | 1.71   | 1.02   | 1.35   |
| POWER FACTOR                    | 0.94                                   | 0.93   | 0.95   | 0.93   | 0.94   | 0.94   | 0.93   | 0.94   |
| BALLAST FACTOR                  | 0.82                                   | 0.86   | 0.98   | 0.91   | 1.03   | 0.84   | 0.96   | 1.08   |
| EFFICACY FACTOR                 | 0.44                                   | 0.53   | 0.44   | 0.65   | 0.55   | 0.43   | 0.84   | 0.71   |
| THD                             | 34%                                    | 35%    | 32%    | 36%    | 34%    | 34%    | 37%    | 35%    |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |        |        |        |        |        |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |        |        |        |        |        |
| INPUT/PROTECTION                | FUSE                                   |        |        |        |        |        |        |        |
| OUTPUT/PROTECTION               | -                                      |        |        |        |        |        |        |        |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |        |        |        |        |        |        |        |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |        |        |        |        |        |        |        |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |        |        |        |        |        |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|
| LAMP WATTS/TYPE                 | CFT50W                                 | CFT55W | CFT36W | CFT50W | CFT55W | CFT96W | CFT55W | CFT96W |
| LAMPS OPERATED                  | 3                                      |        | 2      |        |        | 1      |        |        |
| WIRING DIAGRAM #                | 25                                     |        | 22     |        |        | 23     | 16     | 17     |
| INPUT WATTS                     | 159                                    | 146    | 85     | 117    | 105    | 214    | 63     | 132    |
| LINE CURRENT                    | 1.41                                   | 1.30   | 0.77   | 1.04   | 0.94   | 1.90   | 0.57   | 1.79   |
| POWER FACTOR                    | 0.94                                   | 0.94   | 0.93   | 0.93   | 0.93   | 0.94   | 0.92   | 0.93   |
| BALLAST FACTOR                  | 0.89                                   | 0.83   | 1.00   | 0.94   | 0.75   | 0.98   | 0.82   | 1.15   |
| EFFICACY FACTOR                 | 0.56                                   | 0.57   | 1.18   | 0.81   | 0.71   | 0.46   | 1.30   | 0.87   |
| THD                             | 35%                                    | 35%    | 39%    | 37%    | 38%    | 33%    | 40%    | 36%    |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |        |        |        |        |        |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |        |        |        |        |        |
| INPUT/PROTECTION                | FUSE                                   |        |        |        |        |        |        |        |
| OUTPUT/PROTECTION               | -                                      |        |        |        |        |        |        |        |
| MIN. STARTING TEMP              | - 30 °C ( -20 °F )                     |        |        |        |        |        |        |        |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |        |        |        |        |        |        |        |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |        |        |        |        |        |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |

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## SPECIFICATION SHEET : WH8-120-L

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**This Ballast Will Operate Following Lamps.**



T5HO

### ELECTRICAL DATA ( FOR 120V APPLICATION)

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |         |         |         |         |         |         |         |
|---------------------------------|--|---------|---------|---------|---------|---------|---------|---------|
| LAMP WATTS/TYPE                 | F24T5HO                                | F24T5HO | F24T5HO | F39T5HO | F39T5HO | F54T5HO | F54T5HO | F80T5HO |
| LAMPS OPERATED                  | 6                                      | 5       | 4       |         | 3       | 2       | 1       |         |
| WIRING DIAGRAM #                | 29                                     | 28      | 27      |         | 25      | 22      | 16      |         |
| INPUT WATTS                     | 147                                    | 131     | 115     | 163     | 134     | 111     | 71      | 89      |
| LINE CURRENT                    | 1.31                                   | 1.17    | 1.03    | 1.45    | 1.20    | 0.99    | 0.64    | 0.80    |
| POWER FACTOR                    | 0.94                                   | 0.94    | 0.93    | 0.94    | 0.93    | 0.93    | 0.93    | 0.93    |
| BALLAST FACTOR                  | 0.92                                   | 0.96    | 1.04    | 0.82    | 0.87    | 0.86    | 0.99    | 0.89    |
| EFFICACY FACTOR                 | 0.62                                   | 0.73    | 0.91    | 0.50    | 0.65    | 0.78    | 1.41    | 1.00    |
| THD                             | 35%                                    | 36%     | 37%     | 35%     | 36%     | 37%     | 39%     | 37%     |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |         |         |         |         |         |         |         |
| SOUND RATING                    | " A "                                  |         |         |         |         |         |         |         |
| BALLAST TYPE                    | INSTANT START                          |         |         |         |         |         |         |         |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |         |         |         |         |         |         |         |
| INPUT/PROTECTION                | FUSE                                   |         |         |         |         |         |         |         |
| OUTPUT/PROTECTION               | -                                      |         |         |         |         |         |         |         |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |         |         |         |         |         |         |         |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |         |         |         |         |         |         |         |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |         |         |         |         |         |         |         |
| ENERGY STAR 4.0                 | -                                      |         |         |         |         |         |         |         |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |         |         |         |         |         |         |         |

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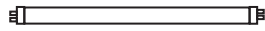


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**This Ballast Will Operate Following Lamps.**



T8

### ELECTRICAL DATA ( FOR 120V APPLICATION)

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |       |       |       |       |       |       |       |  |
|---------------------------------|--|-------|-------|-------|-------|-------|-------|-------|--|
| LAMP WATTS/TYPE                 | F13T8                                  | F14T8 | F15T8 | F17T8 | F18T8 | F25T8 | F30T8 | F32T8 |  |
| LAMPS OPERATED                  | 6                                      |       |       |       |       |       |       |       |  |
| WIRING DIAGRAM #                | 29                                     |       |       |       |       |       |       |       |  |
| INPUT WATTS                     | 68                                     | 87    | 107   | 122   | 128   | 170   | 177   | 225   |  |
| LINE CURRENT                    | 0.61                                   | 0.77  | 0.96  | 1.09  | 1.15  | 1.51  | 1.57  | 1.99  |  |
| POWER FACTOR                    | 0.93                                   | 0.93  | 0.93  | 0.94  | 0.93  | 0.94  | 0.94  | 0.95  |  |
| BALLAST FACTOR                  | 0.78                                   | 0.90  | 1.08  | 1.21  | 1.08  | 1.19  | 0.95  | 1.19  |  |
| EFFICACY FACTOR                 | 1.15                                   | 1.04  | 1.01  | 0.99  | 0.85  | 0.70  | 0.54  | 0.53  |  |
| THD                             | 37%                                    | 37%   | 36%   | 36%   | 36%   | 34%   | 34%   | 32%   |  |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |       |       |       |       |       |       |       |  |
| SOUND RATING                    | " A "                                  |       |       |       |       |       |       |       |  |
| BALLAST TYPE                    | INSTANT START                          |       |       |       |       |       |       |       |  |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |       |       |       |       |       |       |       |  |
| INPUT/PROTECTION                | FUSE                                   |       |       |       |       |       |       |       |  |
| OUTPUT/PROTECTION               | -                                      |       |       |       |       |       |       |       |  |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |       |       |       |       |       |       |       |  |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |       |       |       |       |       |       |       |  |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |       |       |       |       |       |       |       |  |
| ENERGY STAR 4.0                 | -                                      |       |       |       |       |       |       |       |  |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |       |       |       |       |       |       |       |  |

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |       |       |       |       |       |       |       |       |  |
|---------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|--|
| LAMP WATTS/TYPE                 | F13T8                                  | F14T8 | F15T8 | F18T8 | F30T8 | F13T8 | F14T8 | F18T8 | F30T8 |  |
| LAMPS OPERATED                  | 5                                      |       |       |       |       | 4     |       |       |       |  |
| WIRING DIAGRAM #                | 28                                     |       |       |       |       | 27    |       |       |       |  |
| INPUT WATTS                     | 61                                     | 80    | 92    | 112   | 158   | 54    | 65    | 98    | 138   |  |
| LINE CURRENT                    | 0.55                                   | 0.71  | 0.82  | 1.00  | 1.41  | 0.49  | 0.59  | 0.88  | 1.23  |  |
| POWER FACTOR                    | 0.92                                   | 0.93  | 0.93  | 0.93  | 0.93  | 0.92  | 0.93  | 0.93  | 0.93  |  |
| BALLAST FACTOR                  | 0.80                                   | 0.97  | 1.12  | 1.13  | 0.99  | 0.75  | 0.91  | 1.17  | 1.06  |  |
| EFFICACY FACTOR                 | 1.31                                   | 1.22  | 1.22  | 1.01  | 0.63  | 1.39  | 1.39  | 1.19  | 0.77  |  |
| THD                             | 38%                                    | 37%   | 37%   | 37%   | 35%   | 39%   | 38%   | 37%   | 35%   |  |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |       |       |       |       |       |       |       |       |  |
| SOUND RATING                    | " A "                                  |       |       |       |       |       |       |       |       |  |
| BALLAST TYPE                    | INSTANT START                          |       |       |       |       |       |       |       |       |  |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |       |       |       |       |       |       |       |       |  |
| INPUT/PROTECTION                | FUSE                                   |       |       |       |       |       |       |       |       |  |
| OUTPUT/PROTECTION               | -                                      |       |       |       |       |       |       |       |       |  |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |       |       |       |       |       |       |       |       |  |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |       |       |       |       |       |       |       |       |  |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |       |       |       |       |       |       |       |       |  |
| ENERGY STAR 4.0                 | -                                      |       |       |       |       |       |       |       |       |  |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |       |       |       |       |       |       |       |       |  |

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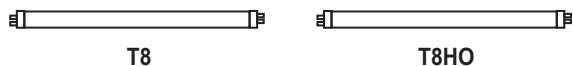


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**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |       |       |   |   |   |   |   |   |
|---------------------------------|--|-------|-------|---|---|---|---|---|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |       |       |   |   |   |   |   |   |
| LAMP WATTS/TYPE                 | F14T8                                  | F18T8 | F30T8 | - | - | - | - | - | - |
| LAMPS OPERATED                  | 3                                      |       |       |   |   |   |   |   |   |
| WIRING DIAGRAM #                | 25                                     |       |       |   |   |   |   |   |   |
| INPUT WATTS                     | 54                                     | 83    | 111   |   |   |   |   |   |   |
| LINE CURRENT                    | 0.48                                   | 0.74  | 0.99  |   |   |   |   |   |   |
| POWER FACTOR                    | 0.93                                   | 0.93  | 0.93  |   |   |   |   |   |   |
| BALLAST FACTOR                  | 1.03                                   | 1.21  | 1.11  |   |   |   |   |   |   |
| EFFICACY FACTOR                 | 1.90                                   | 1.46  | 1.00  |   |   |   |   |   |   |
| THD                             | 39%                                    | 38%   | 37%   |   |   |   |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |       |       |   |   |   |   |   |   |
| SOUND RATING                    | " A "                                  |       |       |   |   |   |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |       |       |   |   |   |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |       |       |   |   |   |   |   |   |
| INPUT/PROTECTION                | FUSE                                   |       |       |   |   |   |   |   |   |
| OUTPUT/PROTECTION               | -                                      |       |       |   |   |   |   |   |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |       |       |   |   |   |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |       |       |   |   |   |   |   |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |       |       |   |   |   |   |   |   |
| ENERGY STAR 4.0                 | -                                      |       |       |   |   |   |   |   |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |       |       |   |   |   |   |   |   |

|                                 |  |         |         |         |         |   |   |   |   |
|---------------------------------|--|---------|---------|---------|---------|---|---|---|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |         |         |         |         |   |   |   |   |
| LAMP WATTS/TYPE                 | F60T8HO                                | F60T8HO | F72T8HO | F60T8HO | F72T8HO | - | - | - | - |
| LAMPS OPERATED                  | 4                                      | 3       |         | 2       |         |   |   |   |   |
| WIRING DIAGRAM #                | 27                                     | 25      |         | 22      |         |   |   |   |   |
| INPUT WATTS                     | 206                                    | 171     | 200     | 126     | 149     |   |   |   |   |
| LINE CURRENT                    | 1.82                                   | 1.51    | 1.77    | 1.13    | 1.32    |   |   |   |   |
| POWER FACTOR                    | 0.94                                   | 0.94    | 0.95    | 0.94    | 0.94    |   |   |   |   |
| BALLAST FACTOR                  | 0.87                                   | 0.94    | 0.84    | 1.02    | 1.02    |   |   |   |   |
| EFFICACY FACTOR                 | 0.42                                   | 0.55    | 0.42    | 0.81    | 0.68    |   |   |   |   |
| THD                             | 33%                                    | 34%     | 32%     | 36%     | 34%     |   |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |         |         |         |         |   |   |   |   |
| SOUND RATING                    | " A "                                  |         |         |         |         |   |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |         |         |         |         |   |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |         |         |         |         |   |   |   |   |
| INPUT/PROTECTION                | FUSE                                   |         |         |         |         |   |   |   |   |
| OUTPUT/PROTECTION               | -                                      |         |         |         |         |   |   |   |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |         |         |         |         |   |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |         |         |         |         |   |   |   |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |         |         |         |         |   |   |   |   |
| ENERGY STAR 4.0                 | -                                      |         |         |         |         |   |   |   |   |
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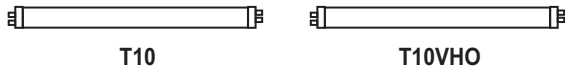


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### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |        |        |           |           |           |  |
|---------------------------------|--|--------|--------|-----------|-----------|-----------|--|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |           |           |           |  |
| LAMP WATTS/TYPE                 | F40T10                                 | F40T10 | F40T10 | F48T10VHO | F60T10VHO | F72T10VHO |  |
| LAMPS OPERATED                  | 5                                      | 4      | 2      | 1         |           |           |  |
| WIRING DIAGRAM #                | 28                                     | 27     | 22     | 19        |           |           |  |
| INPUT WATTS                     | 185                                    | 159    | 102    | 107       | 124       | 143       |  |
| LINE CURRENT                    | 1.64                                   | 1.41   | 0.92   | 0.96      | 1.11      | 1.28      |  |
| POWER FACTOR                    | 0.94                                   | 0.93   | 0.92   | 0.93      | 0.93      | 0.93      |  |
| BALLAST FACTOR                  | 0.89                                   | 0.94   | 0.95   | 0.86      | 0.83      | 0.85      |  |
| EFFICACY FACTOR                 | 0.48                                   | 0.60   | 0.93   | 0.80      | 0.67      | 0.59      |  |
| THD                             | 33%                                    | 35%    | 37%    | 37%       | 36%       | 36%       |  |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |           |           |           |  |
| SOUND RATING                    | " A "                                  |        |        |           |           |           |  |
| BALLAST TYPE                    | INSTANT START                          |        |        |           |           |           |  |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |           |           |           |  |
| INPUT/PROTECTION                | FUSE                                   |        |        |           |           |           |  |
| OUTPUT/PROTECTION               | -                                      |        |        |           |           |           |  |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |        |        |           |           |           |  |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |        |        |           |           |           |  |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |           |           |           |  |
| ENERGY STAR 4.0                 | -                                      |        |        |           |           |           |  |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |           |           |           |  |

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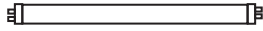


## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



T12

### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |        |        |   |   |   |   |   |   |
|---------------------------------|--|--------|--------|---|---|---|---|---|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |   |   |   |   |   |   |
| LAMP WATTS/TYPE                 | F14T12                                 | F15T12 | F20T12 | - | - | - | - | - | - |
| LAMPS OPERATED                  | 6                                      |        |        |   |   |   |   |   |   |
| WIRING DIAGRAM #                | 29                                     |        |        |   |   |   |   |   |   |
| INPUT WATTS                     | 78                                     | 88     | 116    |   |   |   |   |   |   |
| LINE CURRENT                    | 0.70                                   | 0.79   | 1.04   |   |   |   |   |   |   |
| POWER FACTOR                    | 0.93                                   | 0.93   | 0.93   |   |   |   |   |   |   |
| BALLAST FACTOR                  | 0.76                                   | 0.80   | 0.85   |   |   |   |   |   |   |
| EFFICACY FACTOR                 | 0.97                                   | 0.91   | 0.74   |   |   |   |   |   |   |
| THD                             | 37%                                    | 37%    | 36%    |   |   |   |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |   |   |   |   |   |   |
| SOUND RATING                    | " A "                                  |        |        |   |   |   |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |        |        |   |   |   |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |   |   |   |   |   |   |
| INPUT/PROTECTION                | FUSE                                   |        |        |   |   |   |   |   |   |
| OUTPUT/PROTECTION               | -                                      |        |        |   |   |   |   |   |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |        |        |   |   |   |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |        |        |   |   |   |   |   |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |   |   |   |   |   |   |
| ENERGY STAR 4.0                 | -                                      |        |        |   |   |   |   |   |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |   |   |   |   |   |   |

|                                 |  |        |        |        |        |        |        |        |        |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |        |
| LAMP WATTS/TYPE                 | F14T12                                 | F15T12 | F20T12 | F24T12 | F30T12 | F36T12 | F40T12 | F42T12 | F48T12 |
| LAMPS OPERATED                  | 5                                      |        |        |        |        |        |        |        |        |
| WIRING DIAGRAM #                | 28                                     |        |        |        |        |        |        |        |        |
| INPUT WATTS                     | 71                                     | 78     | 104    | 97     | 142    | 136    | 179    | 158    | 178    |
| LINE CURRENT                    | 0.63                                   | 0.70   | 0.93   | 0.87   | 1.27   | 1.22   | 1.59   | 1.41   | 1.58   |
| POWER FACTOR                    | 0.93                                   | 0.93   | 0.93   | 0.93   | 0.94   | 0.94   | 0.94   | 0.94   | 0.94   |
| BALLAST FACTOR                  | 0.79                                   | 0.84   | 0.89   | 0.80   | 0.92   | 0.86   | 0.86   | 0.74   | 0.84   |
| EFFICACY FACTOR                 | 1.12                                   | 1.08   | 0.86   | 0.82   | 0.65   | 0.63   | 0.48   | 0.47   | 0.47   |
| THD                             | 37%                                    | 37%    | 36%    | 37%    | 35%    | 35%    | 33%    | 34%    | 34%    |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |        |        |        |        |        |        |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |        |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |        |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |        |        |        |        |        |        |
| INPUT/PROTECTION                | FUSE                                   |        |        |        |        |        |        |        |        |
| OUTPUT/PROTECTION               | -                                      |        |        |        |        |        |        |        |        |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |        |        |        |        |        |        |        |        |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |        |        |        |        |        |        |        |        |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |        |        |        |        |        |        |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |        |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |        |

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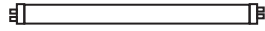


## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



T12

### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |        |        |        |        |        |        |        |        |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |        |
| LAMP WATTS/TYPE                 | F14T12                                 | F15T12 | F20T12 | F24T12 | F25T12 | F30T12 | F36T12 | F40T12 | F42T12 |
| LAMPS OPERATED                  | 4                                      |        |        |        |        |        |        |        |        |
| WIRING DIAGRAM #                | 27                                     |        |        |        |        |        |        |        |        |
| INPUT WATTS                     | 62                                     | 68     | 91     | 85     | 111    | 124    | 119    | 155    | 139    |
| LINE CURRENT                    | 0.56                                   | 0.61   | 0.81   | 0.77   | 0.99   | 1.11   | 1.06   | 1.38   | 1.24   |
| POWER FACTOR                    | 0.93                                   | 0.93   | 0.93   | 0.93   | 0.93   | 0.94   | 0.93   | 0.94   | 0.94   |
| BALLAST FACTOR                  | 0.84                                   | 0.89   | 0.95   | 0.82   | 0.99   | 1.00   | 0.91   | 0.92   | 0.94   |
| EFFICACY FACTOR                 | 1.35                                   | 1.31   | 1.05   | 0.96   | 0.89   | 0.81   | 0.77   | 0.60   | 0.68   |
| THD                             | 38%                                    | 38%    | 37%    | 37%    | 36%    | 36%    | 36%    | 34%    | 35%    |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |        |        |        |        |        |        |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |        |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |        |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |        |        |        |        |        |        |
| INPUT/PROTECTION                | FUSE                                   |        |        |        |        |        |        |        |        |
| OUTPUT/PROTECTION               | -                                      |        |        |        |        |        |        |        |        |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |        |        |        |        |        |        |        |        |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |        |        |        |        |        |        |        |        |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |        |        |        |        |        |        |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |        |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |        |

|                                 |  |        |        |        |        |        |        |        |        |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |        |
| LAMP WATTS/TYPE                 | F48T12                                 | F60T12 | F64T12 | F72T12 | F14T12 | F20T12 | F24T12 | F25T12 | F30T12 |
| LAMPS OPERATED                  | 4                                      |        |        |        | 3      |        |        |        |        |
| WIRING DIAGRAM #                | 27                                     |        |        |        | 25     |        |        |        |        |
| INPUT WATTS                     | 153                                    | 190    | 201    | 214    | 52     | 76     | 71     | 92     | 102    |
| LINE CURRENT                    | 1.36                                   | 1.69   | 1.78   | 1.90   | 0.47   | 0.68   | 0.64   | 0.82   | 0.91   |
| POWER FACTOR                    | 0.94                                   | 0.94   | 0.94   | 0.94   | 0.93   | 0.93   | 0.93   | 0.93   | 0.93   |
| BALLAST FACTOR                  | 0.83                                   | 0.83   | 0.84   | 0.75   | 0.87   | 1.01   | 0.79   | 1.07   | 1.06   |
| EFFICACY FACTOR                 | 0.54                                   | 0.44   | 0.42   | 0.35   | 1.67   | 1.33   | 1.11   | 1.16   | 1.04   |
| THD                             | 34%                                    | 33%    | 33%    | 32%    | 38%    | 38%    | 38%    | 37%    | 37%    |
| EMI/RFI COMPLIANCE              | FCC PART 18-A                          |        |        |        |        |        |        |        |        |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |        |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |        |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993 / C62.41            |        |        |        |        |        |        |        |        |
| THERMAL PROTECTION              | AUTOMATIC RESETTING THERMAL SWITCH     |        |        |        |        |        |        |        |        |
| MIN. OPERATING TEMP             | 0 °C ( 32 ° F )                        |        |        |        |        |        |        |        |        |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |        |        |        |        |        |        |        |        |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |        |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |        |

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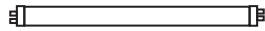


## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



T12

### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |        |        |        |        |        |        |        |   |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |   |
| LAMP WATTS/TYPE                 | F36T12                                 | F40T12 | F42T12 | F48T12 | F60T12 | F64T12 | F72T12 | F84T12 | - |
| LAMPS OPERATED                  | 3                                      |        |        |        |        |        |        |        |   |
| WIRING DIAGRAM #                | 25                                     |        |        |        |        |        |        |        |   |
| INPUT WATTS                     | 99                                     | 128    | 112    | 127    | 155    | 167    | 178    | 208    |   |
| LINE CURRENT                    | 0.88                                   | 1.14   | 1.00   | 1.13   | 1.38   | 1.48   | 1.58   | 1.84   |   |
| POWER FACTOR                    | 0.93                                   | 0.94   | 0.93   | 0.94   | 0.94   | 0.94   | 0.94   | 0.95   |   |
| BALLAST FACTOR                  | 0.98                                   | 1.00   | 0.84   | 0.90   | 0.88   | 0.91   | 0.82   | 0.82   |   |
| EFFICACY FACTOR                 | 0.99                                   | 0.78   | 0.75   | 0.71   | 0.57   | 0.55   | 0.46   | 0.39   |   |
| THD                             | 37%                                    | 36%    | 36%    | 36%    | 34%    | 34%    | 33%    | 32%    |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |        |        |        |        |        |   |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |   |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |        |        |        |        |        |   |
| INPUT/PROTECTION                | FUSE                                   |        |        |        |        |        |        |        |   |
| OUTPUT/PROTECTION               | -                                      |        |        |        |        |        |        |        |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |        |        |        |        |        |        |        |   |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |        |        |        |        |        |        |        |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |        |        |        |        |        |   |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |   |

|                                 |  |        |        |        |        |        |        |        |        |
|---------------------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |        |        |        |        |        |        |        |
| LAMP WATTS/TYPE                 | F24T12                                 | F25T12 | F30T12 | F36T12 | F40T12 | F42T12 | F48T12 | F60T12 | F64T12 |
| LAMPS OPERATED                  | 2                                      |        |        |        |        |        |        |        |        |
| WIRING DIAGRAM #                | 22                                     |        |        |        |        |        |        |        |        |
| INPUT WATTS                     | 55                                     | 70     | 78     | 76     | 96     | 88     | 96     | 117    | 127    |
| LINE CURRENT                    | 0.50                                   | 0.63   | 0.70   | 0.68   | 0.86   | 0.79   | 0.86   | 1.05   | 1.13   |
| POWER FACTOR                    | 0.93                                   | 0.93   | 0.93   | 0.93   | 0.93   | 0.93   | 0.93   | 0.93   | 0.93   |
| BALLAST FACTOR                  | 0.83                                   | 1.16   | 1.15   | 1.08   | 1.09   | 0.93   | 0.98   | 0.96   | 1.01   |
| EFFICACY FACTOR                 | 1.51                                   | 1.66   | 1.47   | 1.43   | 1.14   | 1.07   | 1.02   | 0.82   | 0.80   |
| THD                             | 38%                                    | 38%    | 38%    | 38%    | 37%    | 37%    | 37%    | 36%    | 36%    |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |        |        |        |        |        |        |        |
| SOUND RATING                    | " A "                                  |        |        |        |        |        |        |        |        |
| BALLAST TYPE                    | INSTANT START                          |        |        |        |        |        |        |        |        |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |        |        |        |        |        |        |        |
| INPUT/PROTECTION                | FUSE                                   |        |        |        |        |        |        |        |        |
| OUTPUT/PROTECTION               | -                                      |        |        |        |        |        |        |        |        |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |        |        |        |        |        |        |        |        |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |        |        |        |        |        |        |        |        |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |        |        |        |        |        |        |        |
| ENERGY STAR 4.0                 | -                                      |        |        |        |        |        |        |        |        |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |        |        |        |        |        |        |        |

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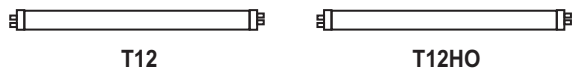


## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |        |            |            |   |   |   |   |   |
|---------------------------------|--|--------|------------|------------|---|---|---|---|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |        |            |            |   |   |   |   |   |
| LAMP WATTS/TYPE                 | F72T12                                 | F84T12 | F96T12 60W | F96T12 75W | - | - | - | - | - |
| LAMPS OPERATED                  | 2                                      |        |            |            |   |   |   |   |   |
| WIRING DIAGRAM #                | 22                                     |        |            |            |   |   |   |   |   |
| INPUT WATTS                     | 135                                    | 159    | 136        | 165        |   |   |   |   |   |
| LINE CURRENT                    | 1.21                                   | 1.41   | 1.21       | 1.46       |   |   |   |   |   |
| POWER FACTOR                    | 0.94                                   | 0.94   | 0.94       | 0.94       |   |   |   |   |   |
| BALLAST FACTOR                  | 0.91                                   | 0.94   | 0.96       | 0.98       |   |   |   |   |   |
| EFFICACY FACTOR                 | 0.68                                   | 0.59   | 0.71       | 0.59       |   |   |   |   |   |
| THD                             | 35%                                    | 33%    | 35%        | 33%        |   |   |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |        |            |            |   |   |   |   |   |
| SOUND RATING                    | " A "                                  |        |            |            |   |   |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |        |            |            |   |   |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |        |            |            |   |   |   |   |   |
| INPUT/PROTECTION                | FUSE                                   |        |            |            |   |   |   |   |   |
| OUTPUT/PROTECTION               | -                                      |        |            |            |   |   |   |   |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |        |            |            |   |   |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |        |            |            |   |   |   |   |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |        |            |            |   |   |   |   |   |
| ENERGY STAR 4.0                 | -                                      |        |            |            |   |   |   |   |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |        |            |            |   |   |   |   |   |

|                                 |  |          |          |          |          |          |          |   |  |
|---------------------------------|--|----------|----------|----------|----------|----------|----------|---|--|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |          |          |          |          |          |          |   |  |
| LAMP WATTS/TYPE                 | F18T12HO                               | F24T12HO | F30T12HO | F36T12HO | F42T12HO | F48T12HO | F60T12HO | - |  |
| LAMPS OPERATED                  | 3                                      |          |          |          |          |          |          |   |  |
| WIRING DIAGRAM #                | 26                                     |          |          |          |          |          |          |   |  |
| INPUT WATTS                     | 70                                     | 109      | 111      | 123      | 151      | 161      | 198      |   |  |
| LINE CURRENT                    | 0.62                                   | 0.97     | 0.99     | 1.10     | 1.35     | 1.43     | 1.76     |   |  |
| POWER FACTOR                    | 0.93                                   | 0.93     | 0.93     | 0.93     | 0.94     | 0.94     | 0.94     |   |  |
| BALLAST FACTOR                  | 0.74                                   | 0.96     | 0.83     | 0.85     | 0.88     | 0.88     | 0.91     |   |  |
| EFFICACY FACTOR                 | 1.07                                   | 0.88     | 0.75     | 0.69     | 0.58     | 0.55     | 0.46     |   |  |
| THD                             | 38%                                    | 36%      | 36%      | 36%      | 35%      | 35%      | 33%      |   |  |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |          |          |          |          |          |          |   |  |
| SOUND RATING                    | " A "                                  |          |          |          |          |          |          |   |  |
| BALLAST TYPE                    | INSTANT START                          |          |          |          |          |          |          |   |  |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |          |          |          |          |          |          |   |  |
| INPUT/PROTECTION                | FUSE                                   |          |          |          |          |          |          |   |  |
| OUTPUT/PROTECTION               | -                                      |          |          |          |          |          |          |   |  |
| MIN. STARTING TEMP              | - 18 °C ( 0 °F )                       |          |          |          |          |          |          |   |  |
| MAX. CASE TEMP                  | 70 °C ( 158 °F )                       |          |          |          |          |          |          |   |  |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |          |          |          |          |          |          |   |  |
| ENERGY STAR 4.0                 | -                                      |          |          |          |          |          |          |   |  |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |          |          |          |          |          |          |   |  |

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## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



T12HO

### ELECTRICAL DATA ( FOR 120V APPLICATION)

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |          |          |          |          |          |          |          |          |
|---------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|
| LAMP WATTS/TYPE                 | F18T12HO                               | F24T12HO | F30T12HO | F36T12HO | F42T12HO | F48T12HO | F60T12HO | F64T12HO | F72T12HO |
| LAMPS OPERATED                  | 2                                      |          |          |          |          |          |          |          |          |
| WIRING DIAGRAM #                | 23                                     |          |          |          |          |          |          |          |          |
| INPUT WATTS                     | 54                                     | 82       | 83       | 95       | 111      | 122      | 152      | 157      | 172      |
| LINE CURRENT                    | 0.48                                   | 0.73     | 0.75     | 0.85     | 0.99     | 1.09     | 1.36     | 1.40     | 1.53     |
| POWER FACTOR                    | 0.92                                   | 0.92     | 0.93     | 0.93     | 0.93     | 0.93     | 0.93     | 0.94     | 0.94     |
| BALLAST FACTOR                  | 0.78                                   | 1.02     | 0.90     | 0.93     | 0.94     | 0.98     | 1.03     | 0.97     | 1.05     |
| EFFICACY FACTOR                 | 1.44                                   | 1.25     | 1.09     | 0.98     | 0.85     | 0.81     | 0.68     | 0.62     | 0.61     |
| THD                             | 38%                                    | 38%      | 37%      | 37%      | 37%      | 36%      | 35%      | 35%      | 34%      |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |          |          |          |          |          |          |          |          |
| SOUND RATING                    | " A "                                  |          |          |          |          |          |          |          |          |
| BALLAST TYPE                    | INSTANT START                          |          |          |          |          |          |          |          |          |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |          |          |          |          |          |          |          |          |
| INPUT/PROTECTION                | FUSE                                   |          |          |          |          |          |          |          |          |
| OUTPUT/PROTECTION               | -                                      |          |          |          |          |          |          |          |          |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |          |          |          |          |          |          |          |          |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |          |          |          |          |          |          |          |          |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |          |          |          |          |          |          |          |          |
| ENERGY STAR 4.0                 | -                                      |          |          |          |          |          |          |          |          |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |          |          |          |          |          |          |          |          |

| INPUT VOLT: 120V ± 10%, 50/60Hz |  |              |               |   |   |   |
|---------------------------------|--|--------------|---------------|---|---|---|
| LAMP WATTS/TYPE                 | F84T12HO                               | F96T12HO 95W | F96T12HO 110W | - | - | - |
| LAMPS OPERATED                  | 2                                      |              |               |   |   |   |
| WIRING DIAGRAM #                | 23                                     |              |               |   |   |   |
| INPUT WATTS                     | 206                                    | 188          | 224           |   |   |   |
| LINE CURRENT                    | 1.83                                   | 1.68         | 1.98          |   |   |   |
| POWER FACTOR                    | 0.94                                   | 0.94         | 0.94          |   |   |   |
| BALLAST FACTOR                  | 1.04                                   | 0.96         | 1.31          |   |   |   |
| EFFICACY FACTOR                 | 0.51                                   | 0.51         | 0.58          |   |   |   |
| THD                             | 33%                                    | 34%          | 32%           |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |              |               |   |   |   |
| SOUND RATING                    | " A "                                  |              |               |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |              |               |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |              |               |   |   |   |
| INPUT/PROTECTION                | FUSE                                   |              |               |   |   |   |
| OUTPUT/PROTECTION               | -                                      |              |               |   |   |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |              |               |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |              |               |   |   |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |              |               |   |   |   |
| ENERGY STAR 4.0                 | -                                      |              |               |   |   |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |              |               |   |   |   |

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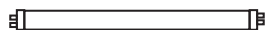


## SPECIFICATION SHEET : WH8-120-L

This Is An Original Product From Fulham Co., Inc

**Description : WorkHorse Series Versatile, Solid State Electronic Ballast. Small Case Size, High Power Factor, Light Weight, Available In 120/230/277V 50/60 Hz.**

**This Ballast Will Operate Following Lamps.**



T12VHO

### ELECTRICAL DATA ( FOR 120V APPLICATION)

|                                 |  |           |           |           |   |   |   |
|---------------------------------|--|-----------|-----------|-----------|---|---|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |           |           |           |   |   |   |
| LAMP WATTS/TYPE                 | F48T12VHO                              | F60T12VHO | F72T12VHO | F96T12VHO | - | - | - |
| LAMPS OPERATED                  | 1                                      |           |           |           |   |   |   |
| WIRING DIAGRAM #                | 19                                     |           |           |           |   |   |   |
| INPUT WATTS                     | 130                                    | 138       | 141       | 203       |   |   |   |
| LINE CURRENT                    | 1.16                                   | 1.23      | 1.38      | 1.81      |   |   |   |
| POWER FACTOR                    | 0.93                                   | 0.93      | 0.94      | 0.94      |   |   |   |
| BALLAST FACTOR                  | 1.10                                   | 0.95      | 0.85      | 0.92      |   |   |   |
| EFFICACY FACTOR                 | 0.85                                   | 0.69      | 0.60      | 0.46      |   |   |   |
| THD                             | 36%                                    | 36%       | 34%       | 33%       |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A (NON-CONSUMER)           |           |           |           |   |   |   |
| SOUND RATING                    | " A "                                  |           |           |           |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |           |           |           |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993                     |           |           |           |   |   |   |
| INPUT/PROTECTION                | FUSE                                   |           |           |           |   |   |   |
| OUTPUT/PROTECTION               | -                                      |           |           |           |   |   |   |
| MIN. STARTING TEMP              | - 18 °C ( 0 ° F )                      |           |           |           |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |           |           |           |   |   |   |
| TYPE "HL" APPROVAL              | APPROVED FOR HAZARDOUS LOCATION        |           |           |           |   |   |   |
| ENERGY STAR 4.0                 | -                                      |           |           |           |   |   |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |           |           |           |   |   |   |

|                                 |  |          |   |   |   |   |   |
|---------------------------------|--|----------|---|---|---|---|---|
| INPUT VOLT: 120V ± 10%, 50/60Hz |  |          |   |   |   |   |   |
| LAMP WATTS/TYPE                 | F71T12HO                               | F71T12HO | - | - | - | - | - |
| LAMPS OPERATED                  | 2                                      | 3        |   |   |   |   |   |
| WIRING DIAGRAM #                | 26                                     |          |   |   |   |   |   |
| INPUT WATTS                     | 184                                    | 241      |   |   |   |   |   |
| LINE CURRENT                    | 1.64                                   | 2.14     |   |   |   |   |   |
| POWER FACTOR                    | 0.93                                   | 0.94     |   |   |   |   |   |
| BALLAST FACTOR                  | 0.83                                   | 0.72     |   |   |   |   |   |
| EFFICACY FACTOR                 | 0.45                                   | 0.30     |   |   |   |   |   |
| THD                             | 34%                                    | 32%      |   |   |   |   |   |
| EMI/RFI COMPLIANCE              | FCC PART 18-A                          |          |   |   |   |   |   |
| SOUND RATING                    | " A "                                  |          |   |   |   |   |   |
| BALLAST TYPE                    | INSTANT START                          |          |   |   |   |   |   |
| VOLTAGE TRANSIENTS              | ANSI C82.11 - 1993 / C62.41            |          |   |   |   |   |   |
| THERMAL PROTECTION              | AUTOMATIC RESETTING THERMAL SWITCH     |          |   |   |   |   |   |
| MIN. OPERATING TEMP             | 0 °C ( 32 ° F )                        |          |   |   |   |   |   |
| MAX. CASE TEMP                  | 70 °C ( 158 ° F )                      |          |   |   |   |   |   |
| ENERGY STAR 4.0                 | -                                      |          |   |   |   |   |   |
| APPROVALS/CLASS                 | UL /cUL LISTED, CLASS " P ", 1 OUTDOOR |          |   |   |   |   |   |

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