

## FEATURES

- Heavy duty channel with longitudinal reinforcing ribs for added rigidity and easy slide clamp hanging
- Rotary lock lampholders for positive lamp contact
- Channel ends double as joiners
- Individual or row mounting. Surface or suspended
- ¼ turn fasteners retain the ballast cover for quick and easy installation

## PROJECT INFORMATION

Project Name \_\_\_\_\_

Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

## CONSTRUCTION

Heavy steel housing with longitudinal reinforcing ribs for extra strength.

## FINISH

White painted parts are treated with a five stage phosphate bonding process and finished with a high reflectance baked enamel.

## BALLASTS

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, unless otherwise specified. CEE NEMA Premium compliant.

## ELECTRICAL

Standard class "P", thermally protected, auto-resetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

## CERTIFICATION

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

## ORDERING INFORMATION

## EXAMPLE K4-232-EU

| K                                                         | -                          | 32                            | -                                       | -                                                                                                                                                                                                       | -                                     | -                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|----------------------------|-------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL                                                     | SIZE                       | NO. OF LAMPS IN CROSS SECTION | LAMP TYPE                               | BALLAST                                                                                                                                                                                                 | VOLTAGE                               | OPTIONS                                                                                                                                                                                                                                                                                                                           |
| <b>K</b> Heavy Duty Channel                               | <b>4</b> 4'<br><b>8</b> 8' | <b>1</b> One<br><b>2</b> Two  | <b>32</b> 4', T8: 32, 30, 28 or 25 Watt | <b>E</b> Electronic T8, Instant Start<br><b>3E</b> 3-Lamp Electronic T8, Instant Start<br><b>4E</b> 4-Lamp Electronic T8, Instant Start<br><small>For a specific ballast vendor show as option.</small> | <b>U</b> 120V-277V<br><b>347</b> 347V | <b>GLR</b> Fast Blow Fuse<br><b>GMF</b> Slow Blow Fuse<br><b>EL</b> Emergency Battery Pack<br><b>BC</b> Branch Circuit Plug-on Wiring System (See options section for details.)<br><b>UN</b> Full Height Channel Ends<br><b>PAF</b> Paint After Fabrication<br><b>NYC</b> NYC Compliant<br><b>NYCU</b> NYC Compliant, Union Label |
| <b>ACCESSORIES (ORDER SEPARATELY)</b>                     |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |
| <b>ITB4</b> Hanger for close mounting on a T-Bar Ceiling  |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |
| <b>KZT</b> Zip Tee Hanger - 1½" spacer on tee bar ceiling |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |
| <b>KTH</b> Slide Clamp Tong Hanger                        |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |
| <b>CSWG4</b> 4' Wire Guard, 2 required for 8' fixture     |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |
| <b>CSRA4</b> 4' Asymmetric Reflector                      |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |
| <b>CSR4</b> 4' Symmetric Reflector                        |                            |                               |                                         |                                                                                                                                                                                                         |                                       |                                                                                                                                                                                                                                                                                                                                   |

### PHOTOMETRIC DATA

#### LUMINAIRE DATA

|                             |                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------|
| Luminaire                   | K4-240-LE<br>K Striplight<br>4' Pendant Mount Premium<br>Striplight w/White Reflector |
| Ballast                     | R-2540                                                                                |
| Ballast Factor              | 0.95                                                                                  |
| Lamp                        | F40T12                                                                                |
| Lumens per Lamp             | 3150                                                                                  |
| Watts                       | 85                                                                                    |
| Shielding Angle             | N/A                                                                                   |
| Spacing Criterion           | 0° = 1.25 90° = 1.58                                                                  |
| Luminous Opening<br>in Feet | Length: 4.00<br>Width: 0.35<br>Height: 0.00                                           |

#### ZONAL LUMEN SUMMARY

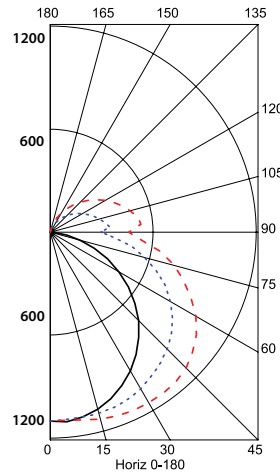
| Zone   | Lumens | % Lamp | % Fixt. |
|--------|--------|--------|---------|
| 0-30   | 908    | 14.4   | 15.6    |
| 0-40   | 1547   | 24.6   | 26.6    |
| 0-60   | 3024   | 48.0   | 52.0    |
| 0-90   | 4650   | 73.8   | 80.0    |
| 90-120 | 831    | 13.2   | 14.3    |
| 90-130 | 990    | 15.7   | 17.0    |
| 90-150 | 1142   | 18.1   | 19.6    |
| 90-180 | 1164   | 18.5   | 20.0    |
| 0-180  | 5813   | 92.3   | 100.0   |

Test 11316 Test Date 1/8/03

#### ENERGY DATA

|                                                            |                                                    |
|------------------------------------------------------------|----------------------------------------------------|
| Total Luminaire Efficiency                                 | 92.3%                                              |
| Luminaire Efficacy Rating (LER)                            | 65                                                 |
| IESNA RP-1-1993 Compliance                                 | Non-Compliant                                      |
| Comparative Yearly Lighting<br>Energy Cost per 1000 Lumens | \$3.69 based on<br>3000 hrs. and<br>\$0.08 per KWH |

#### INDOOR CANDELA PLOT



#### AVG. LUMINANCE (Candela/Sq. M.)

|    | 0.0  | 22.5  | 45.0  | 67.5  | 90.0  |
|----|------|-------|-------|-------|-------|
| 0  | 8457 | 8457  | 8457  | 8457  | 8457  |
| 30 | 8283 | 8638  | 9348  | 9943  | 10174 |
| 40 | 8029 | 8742  | 9997  | 11050 | 11414 |
| 45 | 7916 | 8818  | 10471 | 11732 | 12156 |
| 50 | 7691 | 8971  | 11004 | 12464 | 12942 |
| 55 | 7440 | 9115  | 11635 | 13364 | 13927 |
| 60 | 7104 | 9395  | 12394 | 14378 | 15039 |
| 65 | 6695 | 9806  | 13463 | 15700 | 16446 |
| 70 | 6115 | 10386 | 14769 | 17534 | 18546 |
| 75 | 5347 | 11318 | 16933 | 20795 | 22191 |
| 80 | 4428 | 13150 | 21474 | 27098 | 28957 |
| 85 | 3088 | 18879 | 33347 | 43492 | 47109 |

#### COEFFICIENTS OF UTILIZATION (%)

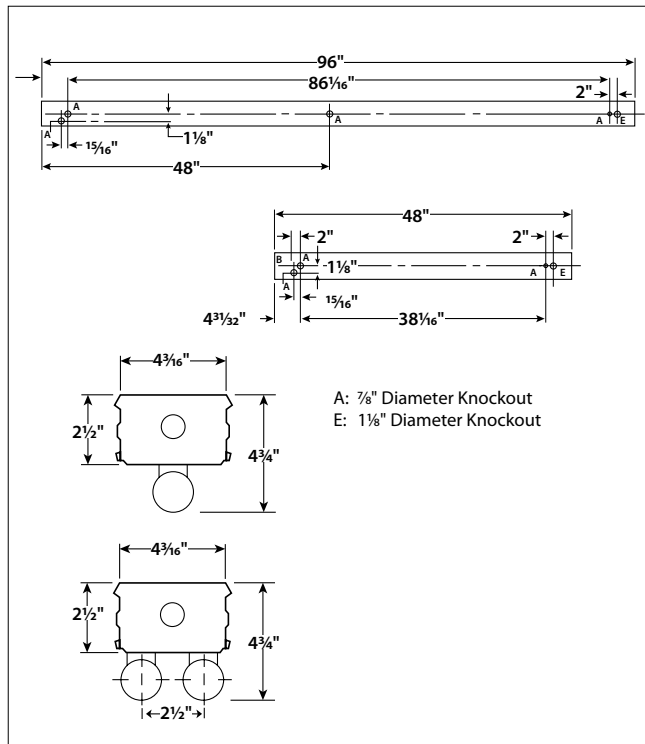
| RCR | RC | 80 |    |    |    |    | 70 |    |    |    | 50 |    |    |  | 0 |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|---|
|     | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |  |   |
|     | 1  | 94 | 88 | 83 | 79 | 89 | 84 | 80 | 76 | 77 | 73 | 70 | 56 |  |   |
|     | 2  | 84 | 75 | 68 | 62 | 80 | 72 | 65 | 60 | 65 | 60 | 55 | 44 |  |   |
|     | 3  | 76 | 65 | 57 | 50 | 72 | 62 | 54 | 48 | 57 | 50 | 45 | 36 |  |   |
|     | 4  | 69 | 57 | 48 | 41 | 65 | 54 | 46 | 40 | 50 | 43 | 38 | 30 |  |   |
|     | 5  | 63 | 50 | 42 | 35 | 60 | 48 | 40 | 34 | 44 | 37 | 32 | 25 |  |   |
|     | 6  | 58 | 45 | 36 | 30 | 55 | 43 | 35 | 29 | 40 | 33 | 27 | 22 |  |   |
|     | 7  | 53 | 40 | 32 | 26 | 51 | 39 | 31 | 25 | 36 | 29 | 24 | 19 |  |   |
|     | 8  | 50 | 37 | 29 | 23 | 47 | 35 | 28 | 22 | 32 | 26 | 21 | 17 |  |   |
| 9   | 46 | 33 | 26 | 20 | 44 | 32 | 25 | 20 | 30 | 23 | 19 | 15 |    |  |   |
| 10  | 43 | 31 | 23 | 18 | 41 | 30 | 23 | 18 | 27 | 21 | 17 | 13 |    |  |   |

RCR = Room Cavity Ratio

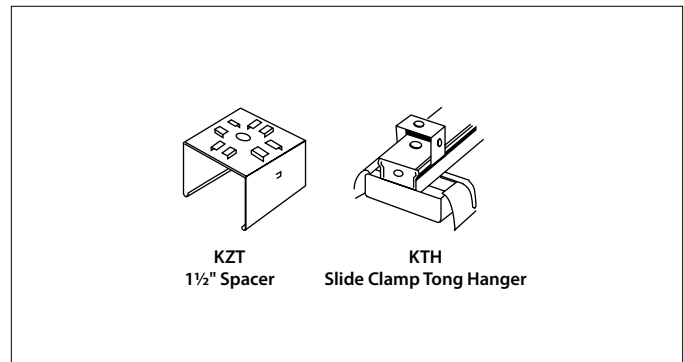
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

0.0 ——— 45.0 - - - - - 90.0 - . . . . .

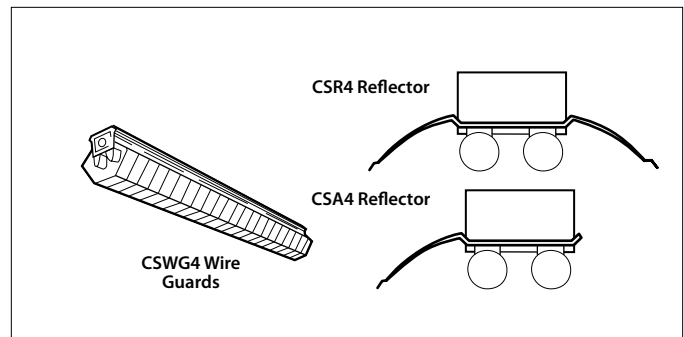
#### DIMENSIONAL DATA



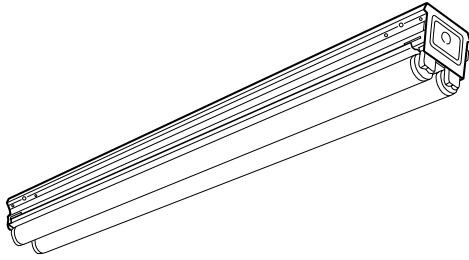
#### MOUNTING ACCESSORIES



#### ACCESSORIES



**NOTE:** All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.



## FEATURES

- Heavy duty channel with longitudinal reinforcing ribs for added rigidity and easy slide clamp hanging
- Rotary lock lampholders for positive lamp contact
- Channel ends double as joiners
- Individual or row mounting. Surface or suspended
- ¼ turn fasteners retain the ballast cover for quick and easy installation

## PROJECT INFORMATION

Project Name \_\_\_\_\_

Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

## CONSTRUCTION

Heavy steel housing with longitudinal reinforcing ribs for extra strength.

## FINISH

White painted parts are treated with a five stage phosphate bonding process and finished with a high reflectance baked enamel.

## BALLASTS

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, unless otherwise specified. CEE NEMA Premium compliant.

## ELECTRICAL

Standard class "P", thermally protected, auto-resetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

## CERTIFICATION

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## ORDERING INFORMATION

## EXAMPLE K4-232-EU

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| MODEL                                                     | SIZE                       | NO. OF LAMPS IN CROSS SECTION | LAMP TYPE                               | BALLAST                                                                                                                                                                                      | VOLTAGE                               | OPTIONS                                                                                                                                                                                                                                                                                                                           |
| <b>K</b> Heavy Duty Channel                               | <b>4</b> 4'<br><b>8</b> 8' | <b>1</b> One<br><b>2</b> Two  | <b>32</b> 4', T8: 32, 30, 28 or 25 Watt | <b>E</b> Electronic T8, Instant Start<br><b>3E</b> 3-Lamp Electronic T8, Instant Start<br><b>4E</b> 4-Lamp Electronic T8, Instant Start<br><br>For a specific ballast vendor show as option. | <b>U</b> 120V-277V<br><b>347</b> 347V | <b>GLR</b> Fast Blow Fuse<br><b>GMF</b> Slow Blow Fuse<br><b>EL</b> Emergency Battery Pack<br><b>BC</b> Branch Circuit Plug-on Wiring System (See options section for details.)<br><b>UN</b> Full Height Channel Ends<br><b>PAF</b> Paint After Fabrication<br><b>NYC</b> NYC Compliant<br><b>NYCU</b> NYC Compliant, Union Label |
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| Lamp                        | F40T12                                                                                |
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| Luminous Opening<br>in Feet | Length: 4.00<br>Width: 0.35<br>Height: 0.00                                           |

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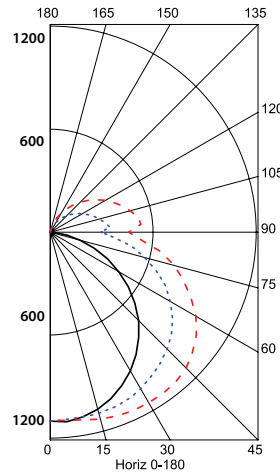
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Test 11316 Test Date 1/8/03

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|------------------------------------------------------------|----------------------------------------------------|
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| Luminaire Efficacy Rating (LER)                            | 65                                                 |
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#### INDOOR CANDELA PLOT



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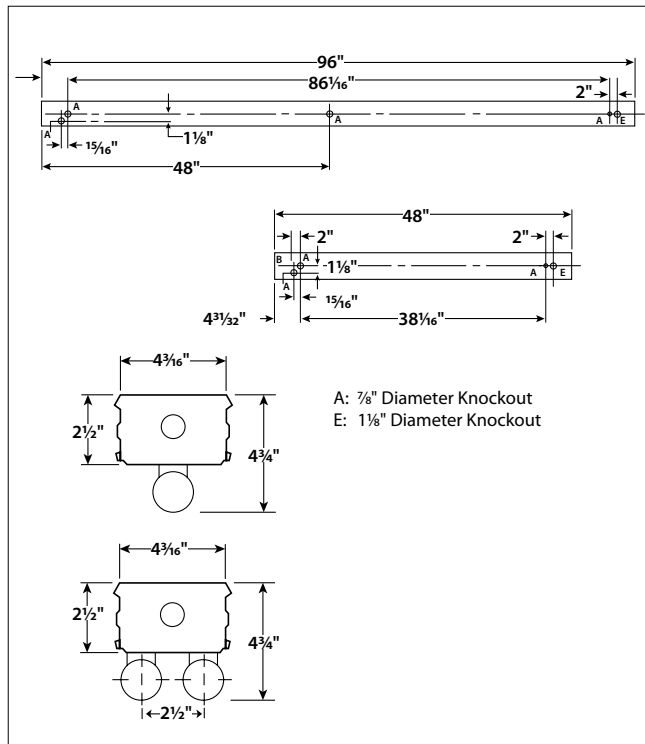
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|     | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |   |
| RCR | 1  | 94 | 88 | 83 | 79 | 89 | 84 | 80 | 76 | 77 | 73 | 70 | 56 |   |
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|     | 3  | 76 | 65 | 57 | 50 | 72 | 62 | 54 | 48 | 57 | 50 | 45 | 36 |   |
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|     | 10 | 43 | 31 | 23 | 18 | 41 | 30 | 23 | 18 | 27 | 21 | 17 | 13 |   |

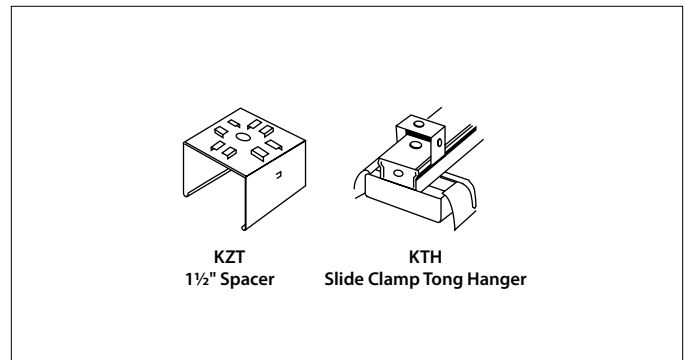
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RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

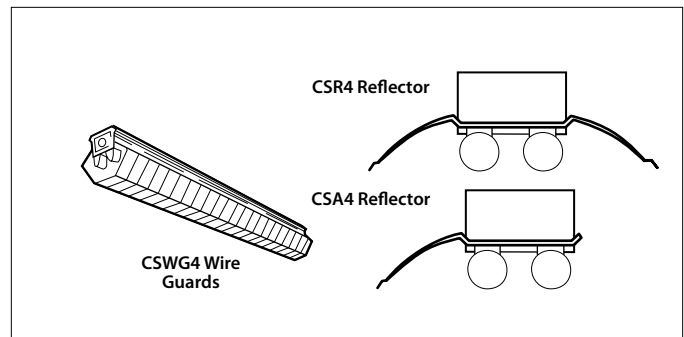
#### DIMENSIONAL DATA



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#### ACCESSORIES



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