Features

- 24 VDC Class 2 fixtures made to order up to $144^{\prime \prime}$. Fixtures can be linked up to $48^{\prime}$ depending on output
- Suitable for undercabinet, millwork, closet/ storage space, cove, curtain pocket, toe kick, architectural reveals, banister/ handrail, accent lighting, and surface mount applications
- Approved for closet/storage space installation per NEC 410.16(A)
$(3)$ and $410.16(\mathrm{C})(5)$
- Class 2 listed for damp locations
- Dot free even illumination with frosted lens
- High Color Quality options offer premium quality and vibrant colors with R9 values up to 97
- High Efficacy options offer best in class output and efficacy with over $600 \mathrm{~lm} / \mathrm{ft}$ and up to $85 \mathrm{~lm} / \mathrm{W}$
- Proprietary strong bond solder method handles up to 50 lbs of pull force on wire leads and connectors
- 5 Year warranty


Finish Options (see page 2 for additional information)
$\square$ Aged Brass
$\square$ Polished Gold
$\square$ Chrome


## Technical Information

| MODEL | High Color Quality |  |  | High Efficacy |  |  |  | High Efficacy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OUTPUT OPTIONS | 72SO | 72HO | 72VHO | HE48LO | HE48SO | HE48MO | HE48HO | HE64VHO |
| Lumens Output (3000K) (with a Frosted Lens) | $165 \mathrm{~lm} / \mathrm{ft}$ | 268 Im/ft | $325 \mathrm{~lm} / \mathrm{ft}$ | $161 \mathrm{~lm} / \mathrm{ft}$ | $222 \mathrm{~lm} / \mathrm{ft}$ | 297 lm/ft | 476 Im/ft | $603 \mathrm{~lm} / \mathrm{ft}$ |
| Average Power Consumption (for a 4' section) | 2.8 W/ft | 4.8 W/ft | 6 W/ft | 1.9 W/ft | 2.8 W/ft | $3.5 \mathrm{~W} / \mathrm{ft}$ | $6.5 \mathrm{~W} / \mathrm{ft}$ | 7.5 W/ft |
| Efficacy | $59 \mathrm{~lm} / \mathrm{W}$ | $56 \mathrm{~lm} / \mathrm{W}$ | $54 \mathrm{~lm} / \mathrm{W}$ | $85 \mathrm{~lm} / \mathrm{W}$ | $79 \mathrm{~lm} / \mathrm{W}$ | $85 \mathrm{~lm} / \mathrm{W}$ | $73 \mathrm{~lm} / \mathrm{W}$ | $80 \mathrm{~lm} / \mathrm{W}$ |
| Max Run Length (in series) | 40 ft | 31 ft | 22 ft | 48 ft | 42 ft | 33 ft | 21 ft | 15 ft |
| Max Ambient Temperature* | $50^{\circ} \mathrm{C}\left[122^{\circ} \mathrm{F}\right]$ |  |  | $50^{\circ} \mathrm{C}\left[122^{\circ} \mathrm{F}\right]$ |  |  |  | $50^{\circ} \mathrm{C}\left[122^{\circ} \mathrm{F}\right]$ |

*Max Ambient Temperature to maintain L70 of 50k+ hours. Exceeding Max Ambient Temperature may result in decreased life/output. Consult Technical Support for specific inquiries.

| High Color Quality (72) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CCT | Multiplier <br> (reference-3000K) | $\mathbf{C R I}$ | TM-30 |  |  |
| $\mathbf{R}_{\mathbf{f}}$ | $\mathbf{R}_{\mathbf{g}}$ | $\mathbf{R g}_{\mathbf{9}}$ |  |  |  |
| $\mathbf{1 9 0 0 K}$ | 0.55 | 96 | 94 | 97 | 90 |
| $\mathbf{2 2 0 0 K}$ | 0.70 | 96 | 95 | 101 | 89 |
| $\mathbf{2 4 0 0 K}$ | 0.72 | 98 | 97 | 101 | 91 |
| $\mathbf{2 7 0 0 K}$ | 0.74 | 97 | 96 | 101 | 91 |
| $\mathbf{3 0 0 0 K}$ | 1.00 | 97 | 95 | 104 | 97 |
| $\mathbf{3 5 0 0 K}$ | 1.02 | 97 | 94 | 105 | 97 |
| $\mathbf{4 1 0 0 K}$ | 1.07 | 97 | 90 | 99 | 97 |


| High Efficacy (HE48/HE64) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CCT | Multiplier <br> (reference-3000K) | $\mathbf{C R I}$ | TM-30 |  |  |
|  | 0.73 | 92 | 91 | 97 | 42 |
| $\mathbf{2 2 0 0 K}$ | 0.81 | 93 | 96 | 96 | 62 |
| $\mathbf{2 5 0 0 K}$ | 0.94 | 92 | 90 | 99 | 58 |
| $\mathbf{2 7 0 0 K}$ | 1.00 | 92 | 89 | 99 | 57 |
| $\mathbf{3 0 0 0 K}$ | 1.02 | 92 | 89 | 99 | 60 |
| $\mathbf{3 5 0 0 K}$ | 1.02 | 92 | 86 | 94 | 71 |
| $\mathbf{4 0 0 0 K}$ |  |  |  |  |  |

## Ordering Code

| MODEL | LENGTH ${ }^{1}$ | OUTPUT | CCT | LENS ${ }^{2}$ | MOUNTING | FINISH ${ }^{3}$ | POSITION TYPE / <br> SENSOR LOCATION | POWER FEED | SENSORS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
| K45M-Kendo 45M with Sensor | 12" - 144" <br> 1 " increments | $\begin{aligned} & \text { 72SO - Standard } \\ & 72 \mathrm{HO} \text {-High } \\ & 72 \mathrm{VHO} \text { - Very High } \end{aligned}$ | 19K-1900K 22K-2200K <br> 24K-2400K <br> 27K-2700K <br> 30K-3000K <br> 35K-3500K <br> 41K-4100K | RF-Round Frosted | CB-Concealed Bracket | SA - Silver Anodized BK-Black <br> BZ-Bronze WH-White <br> MBK - Matte Black <br> WN-Warm Nickel <br> $A B$-Aged Brass <br> PG-Polished Gold ${ }^{4}$ <br> CH -Chrome ${ }^{4}$ | LE-Left End Feed RE-Right End Feed LB-Left Side Back Feed <br> RB-Right Side Back Feed | 1-72" wire leads <br> 1X2-72" wire leads at both ends <br> 2-72" wire leads at one end and Quick Connect at other <br> 3 - Single Quick Connect <br> 4-Quick Connect at both ends | MNO10-PIR Integral Motion Sensor; 10 seconds delay <br> MNO20-PIR Integral Motion Sensor; 20 seconds delay <br> MN030-PIR Integral Motion Sensor; 30 seconds delay <br> MN045-PIR Integral Motion Sensor; 45 seconds delay <br> MN090-PIR Integral Motion Sensor; 90 seconds delay <br> MNO120-PIR Integral Motion Sensor; 120 seconds delay <br> IR 1 - Near IR Remote Door Sensor; 1 Sensor <br> IR2 - Near IR Remote Door Sensor; 2 Sensor <br> IR3-Near IR Remote Door Sensor; 3 Sensor |
|  | $12^{\prime \prime}-144^{\prime \prime}$ <br> $2^{\prime \prime}$ increments | HE48LO-Low <br> HE48SO-Standard HE48MO-Medium HE48HO-High HE64VHO-Very High | $\begin{aligned} & 22 \mathrm{~K}-2200 \mathrm{~K} \\ & 25 \mathrm{~K}-2500 \mathrm{~K} \\ & 27 \mathrm{~K}-2700 \mathrm{~K} \\ & 30 \mathrm{~K}-3000 \mathrm{~K} \\ & 35 \mathrm{~K}-3500 \mathrm{~K} \\ & 40 \mathrm{~K}-4000 \mathrm{~K} \end{aligned}$ |  |  |  |  |  |  |
| 1 - Custom lengths and increments are available, please consult Inside Sales with specific request. <br> 2 - All High Efficacy options can be used to comply with Title 24 JA8. High Color Quality options can be used to comply with Title 24 JA8 depending on Output, CCT, and Lens selections. See multiplier charts to calculate specific efficacies. |  |  |  |  |  | 3 - Non SA finishes may have extended lead times. Custom RALs are available, please consult Inside Sales with specific request. 4 - Polished Gold finishes have a maximum fixture length of $48^{\prime \prime}$, and Chrome finishes have a maximum fixture length of $72^{\prime \prime}$. |  |  |  |

## Product Dimensions



## Finish Options

- Finish options are available in a wide variety, allowing for complete customization of style and aesthetic.
- Non Silver Anodized finishes may have extended lead times.
- Polished Gold finishes have a maximum fixture length of $48^{\prime \prime}$, and Chrome finishes have a maximum fixture length of $72^{\prime \prime}$.
- Custom RALs are available, please consult Inside Sales with specific request.



## Dimensions (Near IR Remote Sensor)



Functionality (External Door Sensor)


Wiring Diagrams (Near IR Remote Door Sensor)


IR1, IR2, IR3 Sensor
Linear Fixture with Static White or Warm DIm



## Light Transmission and Dotting

| Lens/Accessory |  |
| :---: | :---: |
| Output Options | Round Frosted |
| 72 SO | ND |
| 72 HO | ND |
| 72 VHO | ND |
| HE48LO | ND |
| HE48SO | ND |
| HE48MO | ND |
| HE48HO | ND |
| HE64VHO | ND |
| Transmission Percentage | $100 \%$ |

Photometry

K45M-48-30K-72VHO-RF
Kendo M, 4ft, 3000K, VHO, Round Frosted Lens


## Kendo 45M Round with Sensor - Static White

## Power Consumption

## Tested at Full Power with PDC Series power supplies

*For Back Feed add $4 / 16^{\prime \prime}\left(1 / 4^{\prime \prime}\right)$ to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.
High Color Quality (72)

| Nominal Length (in) | Side and End Feed Actual Length | Watts |  |  | Nominal Length (in) | Side and End Feed Actual Length | Watts |  |  | NominalLength (in) | Side and End Feed Actual Length | Watts |  |  | Nominal Length (in) | Side and End Feed Actual Length | Watts |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | SO | HO | VHO |  |  | SO | HO | VHO |  |  | SO | HO | VHO |  |  | SO | HO | VHO |
| 12 | 11 14/16 | 2.7 | 4.4 | 6.2 | 47 | 46 10/16 | 10.0 | 16.7 | 22.1 | 82 | $815 / 16$ | 17.9 | 28.9 | 37.6 | 117 | 116 1/16 | 25.2 | 39.9 | 51.2 |
| 13 | - | - | - | - | 48 | 47 12/16 | 10.2 | 17.1 | 22.6 | 83 | 82 8/16 | 18.1 | 29.2 | 38.0 | 118 | $1174 / 16$ | 25.6 | 40.5 | 52.0 |
| 14 | 13 | 2.7 | 4.4 | 6.2 | 49 | 48 15/16 | 10.5 | 17.4 | 23.1 | 84 | 83 10/16 | 18.3 | 29.5 | 38.4 | 119 | 118 6/16 | 25.9 | 40.8 | 52.4 |
| 15 | 14 3/16 | 2.7 | 4.4 | 6.2 | 50 | - | - | - | - | 85 | 84 13/16 | 18.5 | 29.8 | 38.8 | 120 | 119 9/16 | 26.1 | 41.1 | 52.8 |
| 16 | 15 5/16 | 2.9 | 4.8 | 6.7 | 51 | 50 1/16 | 10.7 | 17.8 | 23.5 | 86 | 85 15/16 | 18.7 | 30.1 | 39.2 | 121 | 120 11/16 | 26.3 | 41.4 | 53.2 |
| 17 | 16 8/16 | 3.1 | 5.2 | 7.3 | 52 | 51 4/16 | 11.1 | 18.6 | 24.4 | 87 | - | - | - | - | 122 | 121 14/16 | 26.5 | 41.7 | 53.6 |
| 18 | 1710/16 | 3.4 | 5.6 | 7.8 | 53 | 52 6/16 | 11.4 | 18.9 | 24.9 | 88 | 87 2/16 | 19.2 | 30.8 | 40.0 | 123 | - | - | - | - |
| 19 | 18 13/16 | 3.6 | 6.0 | 8.3 | 54 | 53 9/16 | 11.6 | 19.3 | 25.3 | 89 | 88 5/16 | 19.4 | 31.1 | 40.4 | 124 | 123 | 26.7 | 42.0 | 54.0 |
| 20 | 19 15/16 | 3.9 | 6.5 | 8.9 | 55 | 54 11/16 | 11.9 | 19.7 | 25.7 | 90 | $897 / 16$ | 19.6 | 31.5 | 40.8 | 125 | $1243 / 16$ | 27.1 | 42.6 | 54.7 |
| 21 | - | - | - | - | 56 | 55 14/16 | 12.1 | 20.1 | 26.1 | 91 | 90 10/16 | 19.9 | 31.8 | 41.1 | 126 | 125 5/16 | 27.3 | 42.9 | 55.0 |
| 22 | 21 2/16 | 4.4 | 7.3 | 9.9 | 57 | - | - | - | - | 92 | 91 12/16 | 20.1 | 32.2 | 41.5 | 127 | 126 8/16 | 27.5 | 43.1 | 55.4 |
| 23 | 22 4/16 | 4.6 | 7.7 | 10.5 | 58 | 57 | 12.3 | 20.5 | 26.6 | 93 | 92 15/16 | 20.4 | 32.5 | 41.9 | 128 | 127 10/16 | 27.7 | 43.4 | 55.7 |
| 24 | 23 7/16 | 4.8 | 8.1 | 11.0 | 59 | 58 3/16 | 12.8 | 21.3 | 27.4 | 94 | - | - | - | - | 129 | 128 13/16 | 27.9 | 43.7 | 56.1 |
| 25 | 24 10/16 | 5.1 | 8.6 | 11.5 | 60 | 59 5/16 | 13.1 | 21.6 | 27.8 | 95 | 94 1/16 | 20.6 | 32.9 | 42.3 | 130 | 130 | 28.1 | 43.9 | 56.4 |
| 26 | 25 12/16 | 5.3 | 9.0 | 12.1 | 61 | 60 8/16 | 13.3 | 22.0 | 28.3 | 96 | $954 / 16$ | 21.1 | 33.6 | 43.1 | 131 | - | - | - | - |
| 27 | 26 15/16 | 5.6 | 9.4 | 12.6 | 62 | $6110 / 16$ | 13.6 | 22.4 | 28.7 | 97 | 96 6/16 | 21.3 | 33.9 | 43.4 | 132 | 131 2/16 | 28.5 | 44.5 | 57.1 |
| 28 | - | - | - | - | 63 | 62 13/16 | 13.8 | 22.8 | 29.1 | 98 | 97 9/16 | 21.5 | 34.2 | 43.8 | 133 | 132 5/16 | 28.7 | 44.7 | 57.4 |
| 29 | 28 1/16 | 5.8 | 9.8 | 13.1 | 64 | 63 15/16 | 14.0 | 23.1 | 29.6 | 99 | 98 11/16 | 21.8 | 34.6 | 44.2 | 134 | $1337 / 16$ | 28.9 | 45.0 | 57.8 |
| 30 | 29 4/16 | 6.2 | 10.5 | 14.1 | 65 | - | - | - | - | 100 | 99 14/16 | 22.0 | 34.9 | 44.6 | 135 | 134 10/16 | 29.1 | 45.3 | 58.1 |
| 31 | 30 6/16 | 6.5 | 10.9 | 14.5 | 66 | 65 2/16 | 14.5 | 23.8 | 30.5 | 101 | - | - | - | - | 136 | 135 12/16 | 29.3 | 45.5 | 58.4 |
| 32 | $319 / 16$ | 6.7 | 11.2 | 15.0 | 67 | 66 5/16 | 14.7 | 24.1 | 31.0 | 102 | 101 | 22.2 | 35.2 | 45.0 | 137 | 136 15/16 | 29.5 | 45.7 | 58.7 |
| 33 | 32 11/16 | 6.9 | 11.6 | 15.5 | 68 | 67 7/16 | 14.9 | 24.4 | 31.4 | 103 | 102 3/16 | 22.5 | 35.9 | 45.9 | 138 | - | - | - | - |
| 34 | $3314 / 16$ | 7.1 | 12.0 | 16.0 | 69 | 68 10/16 | 15.1 | 24.7 | 31.9 | 104 | 103 5/16 | 22.7 | 36.2 | 46.3 | 139 | $1381 / 16$ | 29.6 | 45.9 | 59.1 |
| 35 | - | - | - | - | 70 | 69 12/16 | 15.3 | 25.0 | 32.4 | 105 | 104 8/16 | 22.9 | 36.5 | 46.7 | 140 | 139 4/16 | 30.0 | 46.3 | 59.7 |
| 36 | 35 | 7.3 | 12.3 | 16.5 | 71 | 70 15/16 | 15.5 | 25.4 | 32.8 | 106 | 105 10/16 | 23.1 | 36.8 | 47.1 | 141 | 140 6/16 | 30.2 | 46.5 | 60.0 |
| 37 | 36 3/16 | 7.8 | 13.1 | 17.4 | 72 | - | - | - | - | 107 | 106 13/16 | 23.3 | 37.1 | 47.5 | 142 | $1419 / 16$ | 30.3 | 46.8 | 60.3 |
| 38 | 37 5/16 | 8.0 | 13.4 | 17.9 | 73 | 72 1/16 | 15.8 | 25.7 | 33.3 | 108 | 108 | 23.5 | 37.4 | 48.0 | 143 | 142 11/16 | 30.5 | 47.0 | 60.6 |
| 39 | 38 8/16 | 8.2 | 13.8 | 18.4 | 74 | 73 4/16 | 16.2 | 26.3 | 34.2 | 109 | - | - | - | - | 144 | 143 14/16 | 30.7 | 47.2 | 61.0 |
| 40 | 39 10/16 | 8.4 | 14.2 | 18.9 | 75 | 74 6/16 | 16.4 | 26.6 | 34.7 | 110 | 109 2/16 | 23.9 | 38.1 | 48.8 |  |  |  |  |  |
| 41 | 40 13/16 | 8.7 | 14.5 | 19.3 | 76 | 75 9/16 | 16.6 | 26.9 | 35.1 | 111 | $1105 / 16$ | 24.1 | 38.4 | 49.2 |  |  |  |  |  |
| 42 | 41 15/16 | 8.9 | 14.9 | 19.8 | 77 | 76 11/16 | 16.8 | 27.3 | 35.5 | 112 | $1117 / 16$ | 24.3 | 38.7 | 49.6 |  |  |  |  |  |
| 43 | - | - | - | - | 78 | 77 14/16 | 17.1 | 27.6 | 35.9 | 113 | 112 10/16 | 24.5 | 39.0 | 50.0 |  |  |  |  |  |
| 44 | 43 2/16 | 9.3 | 15.6 | 20.7 | 79 | - | - | - | - | 114 | 11312/16 | 24.8 | 39.3 | 50.4 |  |  |  |  |  |
| 45 | 44 5/16 | 9.6 | 16.0 | 21.2 | 80 | 79 | 17.3 | 27.9 | 36.3 | 115 | 11415/16 | 25.0 | 39.6 | 50.8 |  |  |  |  |  |
| 46 | $457 / 16$ | 9.8 | 16.4 | 21.7 | 81 | 80 3/16 | 17.7 | 28.5 | 37.2 | 116 | - | - | - | - |  |  |  |  |  |

## Kendo 45M Round with Sensor - Static White Linear Illumination System

## Power Consumption

Tested at Full Power with PDC Series power supplies.
*For Back Feed add $4 / 16^{\prime \prime}\left(1 / 4^{\prime \prime}\right)$ to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.
High Efficacy (HE48)

| Nominal |  | Watts |  |  |  | Nominal Length (in) | Side and End Feed Actual Length | Watts |  |  |  | Nominal Length (in) | Side and End Feed Actual Length | Watts |  |  |  | Nominal Length (in) | Side and End Feed Actual Length | Watts |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (in) | Length | LO | SO | MO | HO |  |  | LO | SO | MO | HO |  |  | 10 | SO | MO | HO |  |  | LO | SO | MO | HO |
| 12 | 10 8/16 | 1.7 | 2.5 | 3.5 | 5.7 | 47 | - | - | - | - | - | 82 | $815 / 16$ | 12.2 | 19.4 | 23.3 | 41.4 | 117 | 11612/16 | 17.3 | 27.3 | 33.7 | 57.9 |
| 13 | $12 \mathrm{7/16}$ | 1.7 | 2.5 | 3.5 | 5.7 | 48 | $4714 / 16$ | 6.9 | 10.7 | 13.3 | 24.7 | 83 | - | - | - | - | - | 118 | - | - | - | - | - |
| 14 | - | - | - | - | - | 49 | - | - | - | - | - | 84 | 83 5/16 | 12.5 | 19.9 | 23.9 | 42.2 | 119 | 11812/16 | 17.5 | 27.7 | 34.3 | 58.7 |
| 15 | 147/16 | 1.7 | 2.5 | 3.5 | 5.7 | 50 | 49 13/16 | 7.1 | 11.2 | 13.9 | 25.4 | 85 | - | - | - | - | - | 120 | - | - | - | - | - |
| 16 | - | - | - | - | - | 51 | - | - | - | - | - | 86 | 85 4/16 | 12.8 | 20.3 | 24.5 | 43.1 | 121 | 120 11/16 | 17.8 | 28.1 | 34.9 | 59.6 |
| 17 | 16 6/16 | 2.0 | 3.0 | 4.0 | 7.2 | 52 | $5113 / 16$ | 7.4 | 11.7 | 14.5 | 26.3 | 87 | - | - | - | - | - | 122 | - | - | - | - | - |
| 18 | - | - | - | - | - | 53 | - | - | - | - | - | 88 | 87 4/16 | 13.1 | 20.8 | 25.1 | 44.1 | 123 | 122 11/16 | 18.1 | 28.6 | 35.5 | 60.5 |
| 19 | 18 6/16 | 2.4 | 3.5 | 4.6 | 8.7 | 54 | $5312 / 16$ | 7.7 | 12.3 | 15.1 | 27.4 | 89 | - | - | - | - | - | 124 | - | - | - | - | - |
| 20 | - | - | - | - | - | 55 | - | - | - | - | - | 90 | 89 3/16 | 13.4 | 21.3 | 25.7 | 45.0 | 125 | 124 10/16 | 18.3 | 29.0 | 36.0 | 62.1 |
| 21 | 20 5/16 | 2.7 | 3.9 | 5.2 | 10.2 | 56 | $5512 / 16$ | 8.0 | 12.9 | 15.7 | 28.5 | 91 | - | - | - | - | - | 126 | - | - | - | - | - |
| 22 | - | - | - | - | - | 57 | - | - | - | - | - | 92 | $913 / 16$ | 13.7 | 21.7 | 26.3 | 46.0 | 127 | 126 10/16 | 18.4 | 29.5 | 36.6 | 63.8 |
| 23 | 22 4/16 | 3.0 | 4.4 | 5.8 | 11.7 | 58 | $5711 / 16$ | 8.4 | 13.5 | 16.4 | 29.5 | 93 | - | - | - | - | - | 128 | - | - | - | - | - |
| 24 | - | - | - | - | - | 59 | - | - | - | - | - | 94 | 93 2/16 | 14.0 | 22.1 | 26.9 | 47.0 | 129 | 128 9/16 | 18.6 | 29.9 | 37.2 | 65.4 |
| 25 | 24 4/16 | 3.4 | 4.9 | 6.4 | 13.2 | 60 | $5911 / 16$ | 8.7 | 14.0 | 17.0 | 30.6 | 95 | - | - | - | - | - | 130 | - | - | - | - | - |
| 26 | - | - | - | - | - | 61 | - | - | - | - | - | 96 | 95 2/16 | 14.3 | 22.6 | 27.5 | 47.9 | 131 | $1309 / 16$ | 18.8 | 30.4 | 37.7 | 67.0 |
| 27 | 26 3/16 | 3.7 | 5.4 | 7.0 | 14.7 | 62 | $6110 / 16$ | 9.0 | 14.6 | 17.6 | 31.6 | 97 | - | - | - | - | - | 132 | - | - | - | - | - |
| 28 | - | - | - | - | - | 63 | - | - | - | - | - | 98 | $971 / 16$ | 14.4 | 22.8 | 27.8 | 48.4 | 133 | 132 8/16 | 18.9 | 30.8 | 38.3 | 68.6 |
| 29 | $283 / 16$ | 4.1 | 5.9 | 7.5 | 15.8 | 64 | $6310 / 16$ | 9.4 | 15.2 | 18.2 | 32.6 | 99 | - | - | - | - | - | 134 | - | - | - | - | - |
| 30 | - | - | - | - | - | 65 | - | - | - | - | - | 100 | 99 1/16 | 14.7 | 23.3 | 28.5 | 49.4 | 135 | 134 8/16 | 19.1 | 31.2 | 38.9 | 70.2 |
| 31 | 30 2/16 | 4.4 | 6.4 | 8.1 | 16.8 | 66 | 65 9/16 | 9.7 | 15.6 | 18.7 | 33.7 | 101 | - | - | - | - | - | 136 | - | - | - | - | - |
| 32 | - | - | - | - | - | 67 | - | - | - | - | - | 102 | 101 | 15.0 | 23.7 | 29.0 | 50.4 | 137 | $1367 / 16$ | 19.3 | 31.8 | 39.4 | 70.7 |
| 33 | 32 2/16 | 4.8 | 6.9 | 8.7 | 17.9 | 68 | 67 9/16 | 10.0 | 16.1 | 19.2 | 34.7 | 103 | 103 | 15.3 | 24.1 | 29.6 | 51.3 | 138 | - | - | - | - | - |
| 34 | - | - | - | - | - | 69 | - | - | - | - | - | 104 | - | - | - | - | - | 139 | $1387 / 16$ | 19.5 | 32.3 | 40.0 | 71.2 |
| 35 | $341 / 16$ | 5.0 | 7.2 | 9.0 | 18.5 | 70 | 69 8/16 | 10.4 | 16.5 | 19.8 | 35.7 | 105 | 104 15/16 | 15.6 | 24.6 | 30.2 | 52.3 | 140 | - | - | - | - | - |
| 36 | - | - | - | - | - | 71 | - | - | - | - | - | 106 | - | - | - | - | - | 141 | 140 6/16 | 19.8 | 32.8 | 40.6 | 71.8 |
| 37 | $361 / 16$ | 5.4 | 7.7 | 9.6 | 19.5 | 72 | $718 / 16$ | 10.7 | 17.0 | 20.3 | 36.7 | 107 | 106 15/16 | 15.8 | 25.0 | 30.7 | 53.2 | 142 | - | - | - | - | - |
| 38 | - | - | - | - | - | 73 | - | - | - | - | - | 108 | - | - | - | - | - | 143 | 142 6/16 | 20.0 | 33.3 | 41.1 | 72.3 |
| 39 | 38 | 5.7 | 8.2 | 10.2 | 20.6 | 74 | 73 7/16 | 11.0 | 17.4 | 20.8 | 37.7 | 109 | 108 14/16 | 16.1 | 25.5 | 31.3 | 54.2 | 144 | - | - | - | - | - |
| 40 | 40 | 6.0 | 8.7 | 10.8 | 21.5 | 75 | - | - | - | - | - | 110 | - | - | - | - | - |  |  |  |  |  |  |
| 41 | - | - | - | - | - | 76 | $757 / 16$ | 11.3 | 17.9 | 21.4 | 38.7 | 111 | $11014 / 16$ | 16.4 | 25.9 | 31.9 | 55.2 |  |  |  |  |  |  |
| 42 | $4115 / 16$ | 6.2 | 9.2 | 11.4 | 22.3 | 77 | - | - | - | - | - | 112 | - | - | - | - | - |  |  |  |  |  |  |
| 43 | - | - | - | - | - | 78 | 77 6/16 | 11.6 | 18.4 | 22.0 | 39.6 | 113 | 11213/16 | 16.7 | 26.4 | 32.5 | 56.1 |  |  |  |  |  |  |
| 44 | $4315 / 16$ | 6.4 | 9.7 | 12.0 | 23.1 | 79 | - | - | - | - | - | 114 | - | - | - | - | - |  |  |  |  |  |  |
| 45 | - | - | - | - | - | 80 | 79 6/16 | 11.9 | 18.9 | 22.7 | 40.5 | 115 | 11413/16 | 17.0 | 26.8 | 33.1 | 57.0 |  |  |  |  |  |  |
| 46 | 45 14/16 | 6.7 | 10.2 | 12.6 | 23.9 | 81 | - | - | - | - | - | 116 | - | - | - | - | - |  |  |  |  |  |  |

Kendo 45M Round with Sensor - Static White Linear Illumination System

## Power Consumption

Tested at Full Power with PDC Series power supplies.
*For Back Feed add $4 / 16^{\prime \prime}\left(1 / 4^{\prime \prime}\right)$ to Actual Length. Standard Nominal Lengths offered provide minimal shadowing. For alternate lengths, please consult Inside Sales with specific request.
High Efficacy (HE64)

| Nominal Length (in) | Side and End Feed Actual Length | Watts | Nominal Length (in) | Side and End Feed Actual Length | Watts | Nominal Length (in) | Side and End Feed Actual Length | Watts | Nominal Length (in) | Side and End Feed Actual Length | $\begin{aligned} & \text { Watts } \\ & \hline \text { VHO } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | VHO |  |  | VHO |  |  | VHO |  |  |  |
| 12 | $1111 / 16$ | 7.6 | 47 | 46 8/16 | 27.6 | 82 | $815 / 16$ | 49.8 | 117 | 116 3/16 | 71.2 |
| 13 | - | - | 48 | - | - | 83 | 82 14/16 | 50.4 | 118 | $11711 / 16$ | 71.7 |
| 14 | 13 3/16 | 7.6 | 49 | 48 | 28.2 | 84 | - | - | 119 | - | - |
| 15 | 1411/16 | 7.6 | 50 | 49 9/16 | 29.5 | 85 | 84 6/16 | 51.7 | 120 | 119 3/16 | 72.8 |
| 16 | - | - | 51 | - | - | 86 | 85 14/16 | 52.3 | 121 | 120 11/16 | 73.3 |
| 17 | 16 4/16 | 8.9 | 52 | 51 1/16 | 30.1 | 87 | - | - | 122 | - | - |
| 18 | 1712/16 | 9.5 | 53 | 52 9/16 | 31.4 | 88 | 87 6/16 | 53.6 | 123 | 122 4/16 | 74.4 |
| 19 | - | - | 54 | - | - | 89 | 88 15/16 | 54.2 | 124 | 123 12/16 | 74.8 |
| 20 | 19 4/16 | 10.7 | 55 | 54 1/16 | 32.0 | 90 | - | - | 125 | - | - |
| 21 | 20 12/16 | 11.4 | 56 | 55 10/16 | 33.3 | 91 | 90 7/16 | 55.5 | 126 | 125 4/16 | 75.6 |
| 22 | - | - | 57 | - | - | 92 | 91 15/16 | 56.2 | 127 | 126 12/16 | 76.0 |
| 23 | 22 4/16 | 12.6 | 58 | 57 2/16 | 34.0 | 93 | - | - | 128 | - | - |
| 24 | $2313 / 16$ | 13.2 | 59 | 58 10/16 | 35.2 | 94 | 93 7/16 | 57.5 | 129 | 128 4/16 | 76.8 |
| 25 | - | - | 60 | - | - | 95 | 94 15/16 | 58.2 | 130 | 129 13/16 | 77.2 |
| 26 | 25 5/16 | 14.5 | 61 | 60 2/16 | 36.5 | 96 | - | - | 131 | - | - |
| 27 | 26 13/16 | 15.1 | 62 | 61 10/16 | 37.2 | 97 | 96 8/16 | 59.5 | 132 | $1315 / 16$ | 78.0 |
| 28 | - | - | 63 | - | - | 98 | 98 | 60.1 | 133 | $13213 / 16$ | 78.4 |
| 29 | 28 5/16 | 16.4 | 64 | 63 3/16 | 38.4 | 99 | - | - | 134 | - | - |
| 30 | 29 14/16 | 17.0 | 65 | 64 11/16 | 39.1 | 100 | 99 8/16 | 61.4 | 135 | $1345 / 16$ | 79.2 |
| 31 | - | - | 66 | - | - | 101 | - | - | 136 | 135 14/16 | 79.6 |
| 32 | 31 6/16 | 18.2 | 67 | 66 3/16 | 40.4 | 102 | 101 | 62.0 | 137 | - | - |
| 33 | 32 14/16 | 18.9 | 68 | 67 11/16 | 41.0 | 103 | $1029 / 16$ | 63.2 | 138 | 137 6/16 | 80.3 |
| 34 | - | - | 69 | - | - | 104 | - | - | 139 | 138 14/16 | 80.6 |
| 35 | 34 6/16 | 20.1 | 70 | 69 4/16 | 42.3 | 105 | $1041 / 16$ | 63.8 | 140 | - | - |
| 36 | $3515 / 16$ | 20.7 | 71 | 70 12/16 | 42.9 | 106 | 105 9/16 | 65.0 | 141 | 140 6/16 | 81.3 |
| 37 | - | - | 72 | - | - | 107 | - | - | 142 | 141 14/16 | 81.7 |
| 38 | 37 7/16 | 22.0 | 73 | 72 4/16 | 44.2 | 108 | $1071 / 16$ | 65.6 | 143 | - | - |
| 39 | 38 15/16 | 22.6 | 74 | 73 12/16 | 44.9 | 109 | 108 9/16 | 66.8 | 144 | $1437 / 16$ | 82.4 |
| 40 | - | - | 75 | - | - | 110 | - | - |  |  |  |
| 41 | 40 7/16 | 23.9 | 76 | 75 4/16 | 46.1 | 111 | 110 2/16 | 67.4 |  |  |  |
| 42 | 41 15/16 | 24.5 | 77 | 76 13/16 | 46.7 | 112 | $11110 / 16$ | 68.5 |  |  |  |
| 43 | - | - | 78 | - | - | 113 | - | - |  |  |  |
| 44 | 43 8/16 | 25.7 | 79 | 78 5/16 | 48.0 | 114 | 113 2/16 | 69.6 |  |  |  |
| 45 | 45 | 26.4 | 80 | 79 13/16 | 48.6 | 115 | 114 10/16 | 70.1 |  |  |  |
| 46 | - | - | 81 | - | - | 116 | - | - |  |  |  |

## Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of $3 \%$ through the wire

| Wattage [W] | Maximum Wire Length From Power Supply to Start of Run [ft] |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 12 AWG | 14 AWG | 16 AWG | 18 AWG | 20 AWG | 22 AWG | 24 AWG |
| 5 | 1088.2 | 684.4 | 430.3 | 270.6 | 170.2 | 107.1 | 67.3 |
| 10 | 544.1 | 342.2 | 215.1 | 135.3 | 85.1 | 53.5 | 33.7 |
| 15 | 362.7 | 228.1 | 143.4 | 90.2 | 56.7 | 35.7 | 22.4 |
| 20 | 272.0 | 171.1 | 107.6 | 67.7 | 42.6 | 26.8 | 16.8 |
| 25 | 217.6 | 136.9 | 86.1 | 54.1 | 34.0 | 21.4 | 13.5 |
| 30 | 181.4 | 114.1 | 71.7 | 45.1 | 28.4 | 17.8 | 11.2 |
| 35 | 155.5 | 97.8 | 61.5 | 38.7 | 24.3 | 15.3 | 9.6 |
| 40 | 136.0 | 85.5 | 53.8 | 33.8 | 21.3 | 13.4 | 8.4 |
| 45 | 120.9 | 76.0 | 47.8 | 30.1 | 18.9 | 11.9 | 7.5 |
| 50 | 108.8 | 68.4 | 43.0 | 27.1 | 17.0 | 10.7 | 6.7 |
| 55 | 98.9 | 62.2 | 39.1 | 24.6 | 15.5 | 9.7 | 6.1 |
| 60 | 90.7 | 57.0 | 35.9 | 22.6 | 14.2 | 8.9 | 5.6 |
| 65 | 83.7 | 52.6 | 33.1 | 20.8 | 13.1 | 8.2 | 5.2 |
| 70 | 77.7 | 48.9 | 30.7 | 19.3 | 12.2 | 7.6 | 4.8 |
| 75 | 72.5 | 45.6 | 28.7 | 18.0 | 11.3 | 7.1 | 4.5 |
| 80 | 68.0 | 42.8 | 26.9 | 16.9 | 10.6 | 6.7 | 4.2 |
| 85 | 64.0 | 40.3 | 25.3 | 15.9 | 10.0 | 6.3 | 4.0 |
| 90 | 60.5 | 38.0 | 23.9 | 15.0 | 9.5 | 5.9 | 3.7 |
| 96 | 56.7 | 35.6 | 22.4 | 14.1 | 8.9 | 5.6 | 3.5 |

## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.


Plug In Power Supply


| MODELS | $\mathbf{1 3 0}$ | $\mathbf{1 6 0}$ | $\mathbf{1 9 6}$ |
| :--- | :---: | :---: | :--- |
| Length | $3.73^{\prime \prime}$ | $4.48^{\prime \prime}$ | $6.00^{\prime \prime}$ |
| Width | $1.83^{\prime \prime}$ | $2.00^{\prime \prime}$ | $2.35^{\prime \prime}$ |
| Depth | $1.25^{\prime \prime}$ | $1.22^{\prime \prime}$ | $1.46^{\prime \prime}$ |



