

LED



create**change**



FEATURES

- Contemporary style LED retrofit for existing 2x4 prismatic or parabolic troffers with depth 3-1/8" or greater
- Two attractive architectural center lens choices
- 83 CRI standard or optional 90 CRI for color sensitive applications
- Fully integrated hinged door assembly allows for easy installation and rapid troffer conversion
- Reduces job site waste by reusing existing fixture housing
- High efficiency acrylic center lens features linear prisms for high performance without pixelation
- High performance reflector with matte white paint standard
- Four LED color choices
- Multiple lumen packages
- 60,000 hour LEDs at L80 (up to 150,000 hour projected life) for reduced maintenance
- Integral battery pack optional on most models
- Optional architecturally styled integration of daylight and occupancy sensor(s)
- Five year warranty (Terms and Conditions Apply)

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

CONSTRUCTION

Retrofit kit reflectors, ends, frame and rails are manufactured from die formed code gauge cold rolled steel. High transmission extruded acrylic features linear prisms with custom frost for high efficacy and reduced pixelation.

SHIELDING

Removable lens for easy access to LED module and electrical components.

FINISH

All reflective surfaces are finished after fabrication with unique formula high reflectivity matte white paint for soft, uniform indirect illumination.

INSTALLATION

Mounting rails and hardware are furnished with each luminaire for easy installation. Fixture can be hinged from either side for easy access to LED components and electrical components.

TROFFER COMPATIBILITY

Minimum dimensional requirements are listed below. **Columbia Lighting recommends a trial installation prior to ordering project quantities.**

SLK retrofit kits are designed to fit into most parabolic and lensed troffers with a housing depth of 3-1/8" or greater. This product is not suitable for air handling units.

CERTIFICATION

All luminaires are built to UL1598 and 2108 standards, and bear appropriate CSA labels. Damp location label standard. Emergency-equipped fixtures labeled UL924 and Dry Location unless specified. Adheres to LM79, LM80, and TM21 industry standards for photometrics and lifetime calculations. DesignLights Consortium (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org

IC RATING

Maintains insulation contact (IC) rating of existing fixture; note that IC label is void if product is installed on site with a combination of both step-dimming (ESD) driver plus through wiring.

WARRANTY

Five year warranty (Terms and Conditions apply).

ORDERING INFORMATION

EXAMPLE SLK24-35HL-EDU

| SLK | 24 | - | - | - | - | - | - | - |
|--------------------------------|------------|---------------------------------|--|---|--|-------------------------------------|---|---|
| MODEL | SIZE | CRI | COLOR TEMP | LUMEN OUTPUT | DRIVER | VOLTAGE | OPTIONS | |
| SLK LED Troffer Conversion Kit | 24 2' x 4' | Blank >80 9 >90 ¹ | 30 3000K 35 3500K 40 4000K 50 5000K | XW Extra Low Watt XWHE Extra Low Watt High Efficacy VW Very Low Watt VWHE Very Low Watt High Efficacy MW Medium Low Watt MWHE Medium Low Watt High Efficacy LW Low Watt ML Medium Lumen HL High Lumen | E Fixed Output ESD Step Dimming ^{4,5} ED 0-10V Dimming ED1 0-10V 1% Dimming LUTH Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ^{4,5} LUTS 5-Series EcoSystem LED driver ^{4,5} | U Universal 120-277 VAC 347 347V | ELL14 Emergency Battery Pack Installed, 1400 Lumens LSP Lighting Surge Protector ² ODP Occupancy and Daylight Sensors, Philips ³ ZRE ZRE ControlScope [®] compatible ⁶ | |
| | | | | See Product Availability Table below. | SHIELDING | | | |
| | | | | | Blank Curve | | | |
| | | | | | R Rectangular | | | |

DRIVER AVAILABILITY TABLE

| | XW | XWHE | VW | VWHE | MW | MWHE | LW | ML | HL |
|------|----|------|----|------|----|------|----|----|----|
| E | X | X | X | X | X | X | X | X | X |
| ED | X | X | X | X | X | X | X | X | X |
| ED1 | X | X | X | X | X | X | X | X | X |
| ESD | | | | | X | | X | X | X |
| LUTS | X | | X | | X | | X | X | X |
| LUTH | X | | X | | X | | X | X | X |
| 347 | X | | X | | X | | X | X | X |

¹ Not available with HE lumen output.
² Not available with ESD Step Dimming.
³ Only available with 0-10V Dimming (ED) Driver Option.
⁴ Limitations apply based on lumen packages (see Driver Table).
⁵ Not available in 347V.
⁶ Registered trademark of Daintree Networks, used by permission

| Product Availability 80 CRI | | | | | Product Availability 90 CRI | | | | |
|-----------------------------|-----------|--------|-------------|-----|-----------------------------|-----------|--------|-------------|-----|
| Lumen Package | Shielding | Lumens | Input Watts | LPW | Lumen Package | Shielding | Lumens | Input Watts | LPW |
| SLK24-30XWG-EDU | Curve | 2341 | 19 | 123 | SLK24-930XWG-EDU | Curve | 2143 | 20 | 107 |
| SLK24-30XWG-R-EDU | Rectangle | 2602 | 20 | 130 | SLK24-930XWG-R-EDU | Rectangle | 2212 | 20 | 111 |
| SLK24-30XWHEG-EU | Curve | 2458 | 19 | 129 | | | | | |
| SLK24-30XWHEG-R-EDU | Rectangle | 2555 | 20 | 128 | | | | | |
| SLK24-35XWG-EDU | Curve | 2421 | 19 | 127 | SLK24-935XWG-EDU | Curve | 2188 | 20 | 109 |
| SLK24-35XWG-R-EDU | Rectangle | 2690 | 20 | 135 | SLK24-935XWG-R-EDU | Rectangle | 2259 | 20 | 113 |
| SLK24-35XWHEG-EU | Curve | 2542 | 19 | 134 | | | | | |
| SLK24-35XWHEG-R-EDU | Rectangle | 2642 | 20 | 132 | | | | | |
| SLK24-40XWG-EDU | Curve | 2458 | 19 | 129 | SLK24-940XWG-EDU | Curve | 2235 | 20 | 112 |
| SLK24-40XWG-R-EDU | Rectangle | 2732 | 20 | 137 | SLK24-940XWG-R-EDU | Rectangle | 2308 | 20 | 115 |
| SLK24-40XWHEG-EU | Curve | 2581 | 19 | 136 | | | | | |
| SLK24-40XWHEG-R-EDU | Rectangle | 2683 | 20 | 134 | | | | | |
| SLK24-50XWG-EDU | Curve | 2524 | 19 | 133 | SLK24-950XWG-EDU | Curve | 2381 | 20 | 119 |
| SLK24-50XWG-R-EDU | Rectangle | 2805 | 20 | 140 | SLK24-950XWG-R-EDU | Rectangle | 2458 | 20 | 123 |
| SLK24-50XWHEG-EU | Curve | 2650 | 19 | 139 | | | | | |
| SLK24-50XWHEG-R-EDU | Rectangle | 2754 | 20 | 138 | | | | | |
| SLK24-30VWG-EU | Curve | 3124 | 28 | 112 | SLK24-930VWG-EDU | Curve | 2655 | 28 | 95 |
| SLK24-30VWG-R-EDU | Rectangle | 3224 | 28 | 115 | SLK24-930VWG-R-EDU | Rectangle | 2741 | 28 | 98 |
| SLK24-30VWHEG-EU | Curve | 3310 | 27 | 123 | | | | | |
| SLK24-30VWHEG-R-EDU | Rectangle | 3279 | 26 | 126 | | | | | |
| SLK24-35VWG-EU | Curve | 3217 | 28 | 115 | SLK24-935VWG-EDU | Curve | 2718 | 28 | 97 |
| SLK24-35VWG-R-EDU | Rectangle | 3334 | 28 | 119 | SLK24-935VWG-R-EDU | Rectangle | 2799 | 28 | 100 |
| SLK24-35VWHEG-EU | Curve | 3409 | 27 | 126 | | | | | |
| SLK24-35VWHEG-R-EDU | Rectangle | 3391 | 26 | 130 | | | | | |
| SLK24-40VWG-EU | Curve | 3267 | 28 | 117 | SLK24-940VWG-EDU | Curve | 2780 | 28 | 99 |
| SLK24-40VWG-R-EDU | Rectangle | 3386 | 28 | 121 | SLK24-940VWG-R-EDU | Rectangle | 2859 | 28 | 102 |
| SLK24-40VWHEG-EU | Curve | 3462 | 27 | 128 | | | | | |
| SLK24-40VWHEG-R-EDU | Rectangle | 3443 | 26 | 132 | | | | | |
| SLK24-50VWG-EU | Curve | 3558 | 28 | 127 | SLK24-950VWG-EDU | Curve | 2936 | 28 | 105 |
| SLK24-50VWG-R-EDU | Rectangle | 3476 | 28 | 124 | SLK24-950VWG-R-EDU | Rectangle | 3046 | 28 | 109 |
| SLK24-50VWHEG-EU | Curve | 3770 | 27 | 140 | | | | | |
| SLK24-50VWHEG-R-EDU | Rectangle | 3535 | 26 | 136 | | | | | |
| SLK24-30MWG-EU | Curve | 3363 | 30 | 112 | SLK24-930MWG-EDU | Curve | 2859 | 30 | 95 |
| SLK24-30MWG-R-EDU | Rectangle | 3472 | 30 | 116 | SLK24-930MWG-R-EDU | Rectangle | 2953 | 30 | 98 |
| SLK24-30MWHEG-EU | Curve | 3717 | 31 | 120 | | | | | |
| SLK24-30MWHEG-R-EDU | Rectangle | 3660 | 29 | 126 | | | | | |
| SLK24-35MWG-EU | Curve | 3464 | 30 | 115 | SLK24-935MWG-EDU | Curve | 2926 | 30 | 98 |
| SLK24-35MWG-R-EDU | Rectangle | 3590 | 30 | 120 | SLK24-935MWG-R-EDU | Rectangle | 3015 | 30 | 101 |
| SLK24-35MWHEG-EU | Curve | 3829 | 31 | 124 | | | | | |
| SLK24-35MWHEG-R-EDU | Rectangle | 3785 | 29 | 131 | | | | | |
| SLK24-40MWG-EU | Curve | 3518 | 30 | 117 | SLK24-940MWG-EDU | Curve | 2993 | 30 | 100 |
| SLK24-40MWG-R-EDU | Rectangle | 3646 | 30 | 122 | SLK24-940MWG-R-EDU | Rectangle | 3080 | 30 | 103 |
| SLK24-40MWHEG-EU | Curve | 3888 | 31 | 125 | | | | | |
| SLK24-40MWHEG-R-EDU | Rectangle | 3843 | 29 | 133 | | | | | |
| SLK24-50MWG-EU | Curve | 3831 | 30 | 128 | SLK24-950MWG-EDU | Curve | 3161 | 30 | 105 |
| SLK24-50MWG-R-EDU | Rectangle | 3744 | 30 | 125 | SLK24-950MWG-R-EDU | Rectangle | 3280 | 30 | 109 |
| SLK24-50MWHEG-EU | Curve | 4234 | 31 | 137 | | | | | |
| SLK24-50MWHEG-R-EDU | Rectangle | 3946 | 29 | 136 | | | | | |

| Product Availability 80 CRI | | | | | Product Availability 90 CRI | | | | |
|-----------------------------|-----------|--------|-------------|-----|-----------------------------|-----------|--------|-------------|-----|
| Lumen Package | Shielding | Lumens | Input Watts | LPW | Lumen Package | Shielding | Lumens | Input Watts | LPW |
| SLK24-30LWG-EU | Curve | 4268 | 36 | 119 | SLK24-930LWG-EDU | Curve | 3628 | 36 | 101 |
| SLK24-30LWG-R-EDU | Rectangle | 4420 | 36 | 123 | SLK24-930LWG-R-EDU | Rectangle | 3759 | 36 | 104 |
| SLK24-35LWG-EU | Curve | 4396 | 36 | 122 | SLK24-935LWG-EDU | Curve | 3713 | 36 | 103 |
| SLK24-35LWG-R-EDU | Rectangle | 4570 | 36 | 127 | SLK24-935LWG-R-EDU | Rectangle | 3838 | 36 | 107 |
| SLK24-40LWG-EU | Curve | 4465 | 36 | 124 | SLK24-940LWG-EDU | Curve | 3799 | 36 | 106 |
| SLK24-40LWG-R-EDU | Rectangle | 4642 | 36 | 129 | SLK24-940LWG-R-EDU | Rectangle | 3920 | 36 | 109 |
| SLK24-50LWG-EU | Curve | 4861 | 36 | 135 | SLK24-950LWG-EDU | Curve | 4012 | 36 | 111 |
| SLK24-50LWG-R-EDU | Rectangle | 4766 | 36 | 132 | SLK24-950LWG-R-EDU | Rectangle | 4176 | 36 | 116 |
| SLK24-30MLG-EU | Curve | 4771 | 39 | 122 | SLK24-930MLG-EDU | Curve | 4055 | 39 | 104 |
| SLK24-30MLG-R-EDU | Rectangle | 4923 | 39 | 126 | SLK24-930MLG-R-EDU | Rectangle | 4186 | 39 | 107 |
| SLK24-35MLG-EU | Curve | 4914 | 39 | 126 | SLK24-935MLG-EDU | Curve | 4151 | 39 | 106 |
| SLK24-35MLG-R-EDU | Rectangle | 5090 | 39 | 131 | SLK24-935MLG-R-EDU | Rectangle | 4274 | 39 | 110 |
| SLK24-40MLG-EU | Curve | 4990 | 39 | 128 | SLK24-940MLG-EDU | Curve | 4246 | 39 | 109 |
| SLK24-40MLG-R-EDU | Rectangle | 5170 | 39 | 133 | SLK24-940MLG-R-EDU | Rectangle | 4366 | 39 | 112 |
| SLK24-50MLG-EU | Curve | 5434 | 39 | 139 | SLK24-950MLG-EDU | Curve | 4485 | 39 | 115 |
| SLK24-50MLG-R-EDU | Rectangle | 5308 | 39 | 136 | SLK24-950MLG-R-EDU | Rectangle | 4651 | 39 | 119 |
| SLK24-30HLG-EU | Curve | 5443 | 44 | 124 | SLK24-930HLG-EDU | Curve | 4812 | 43 | 112 |
| SLK24-30HLG-R-EDU | Rectangle | 5533 | 43 | 129 | SLK24-930HLG-R-EDU | Rectangle | 4705 | 43 | 109 |
| SLK24-35HLG-EU | Curve | 5606 | 44 | 127 | SLK24-935HLG-EDU | Curve | 4914 | 43 | 114 |
| SLK24-35HLG-R-EDU | Rectangle | 5721 | 43 | 133 | SLK24-935HLG-R-EDU | Rectangle | 4803 | 43 | 112 |
| SLK24-40HLG-EU | Curve | 5694 | 44 | 129 | SLK24-940HLG-EDU | Curve | 5019 | 43 | 117 |
| SLK24-40HLG-R-EDU | Rectangle | 5810 | 43 | 135 | SLK24-940HLG-R-EDU | Rectangle | 4907 | 43 | 114 |
| SLK24-50HLG-EU | Curve | 6200 | 44 | 141 | SLK24-950HLG-EDU | Curve | 5347 | 43 | 124 |
| SLK24-50HLG-R-EDU | Rectangle | 5965 | 43 | 139 | SLK24-950HLG-R-EDU | Rectangle | 5227 | 43 | 122 |
| SLK24-30VLG-EU | Curve | 6999 | 59 | 119 | SLK24-930VLG-EDU | Curve | 5883 | 58 | 101 |
| SLK24-30VLG-R-EDU | Rectangle | 6952 | 58 | 120 | SLK24-930VLG-R-EDU | Rectangle | 5912 | 58 | 102 |
| SLK24-35VLG-EU | Curve | 7209 | 59 | 122 | SLK24-935VLG-EDU | Curve | 6007 | 58 | 104 |
| SLK24-35VLG-R-EDU | Rectangle | 7189 | 58 | 124 | SLK24-935VLG-R-EDU | Rectangle | 6036 | 58 | 104 |
| SLK24-40VLG-EU | Curve | 7321 | 59 | 124 | SLK24-940VLG-EDU | Curve | 6136 | 58 | 106 |
| SLK24-40VLG-R-EDU | Rectangle | 7301 | 58 | 126 | SLK24-940VLG-R-EDU | Rectangle | 6166 | 58 | 106 |
| SLK24-50VLG-EU | Curve | 7972 | 59 | 135 | SLK24-950VLG-EDU | Curve | 6536 | 58 | 113 |
| SLK24-50VLG-R-EDU | Rectangle | 7496 | 58 | 129 | SLK24-950VLG-R-EDU | Rectangle | 6568 | 58 | 113 |

PHOTOMETRIC DATA

Test #17556 Test Date 6/15/2016

LUMINAIRE DATA

| | |
|--------------------------|---|
| Luminaire | SLK24-35VW-EU LED Retrofit Door Kit, Lensed Troffer 2 x 4 LED with frosted linear prisms lens |
| Ballast | XI040C110V054BST1 |
| Ballast Factor | 1.00 |
| Lamp | LED |
| Fixture Lumens | 3218 |
| Watts | 27.60 |
| Mounting | Recessed |
| Shielding Angle | 0° = 90 90° = 90 |
| Spacing Criterion | 0° = 1.22 90° = 1.32 |
| Luminous Opening in Feet | Length: 3.92 Width: 1.92 Height: 0.00 |

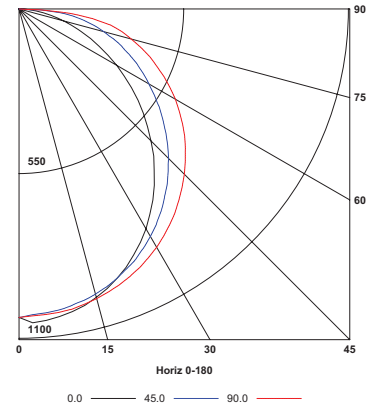
ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|-------|--------|--------|---------|
| 0-30 | 804 | 25.0 | 25.0 |
| 0-40 | 1322 | 41.1 | 41.1 |
| 0-60 | 2372 | 73.7 | 73.7 |
| 0-90 | 3218 | 100.0 | 100.0 |
| 0-180 | 3218 | 100.0 | 100.0 |

ENERGY DATA

| | |
|---|--|
| Total Luminaire Efficiency | 100.0% |
| Total Lumens per Watt | 117 |
| IESNA RP-1-2004 Compliance | Non-Compliant |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | \$2.09 based on 3000 hrs. and \$0.08 per KWH |

INDOOR CANDELA PLOT



PHOTOMETRIC DATA

Test #17568 Test Date 6/13/2016

LUMINAIRE DATA

| | |
|--------------------------|---|
| Luminaire | SLK24-35LW-EU LED Retrofit Door Kit, Lensed Troffer 2 x 4 LED with frosted linear prisms lens |
| Ballast | XI040C110V054BST1 |
| Ballast Factor | 1.00 |
| Lamp | LED |
| Fixture Lumens | 4396 |
| Watts | 36.10 |
| Mounting | Recessed |
| Shielding Angle | 0° = 90 90° = 90 |
| Spacing Criterion | 0° = 1.22 90° = 1.32 |
| Luminous Opening in Feet | Length: 3.92 Width: 1.92 Height: 0.00 |

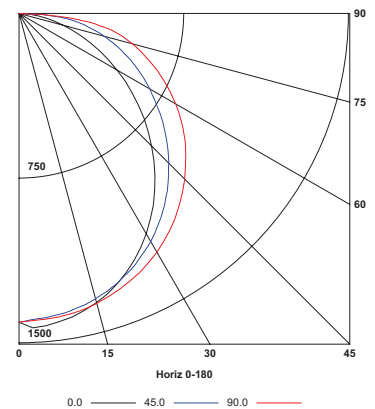
ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|-------|--------|--------|---------|
| 0-30 | 1098 | 25.0 | 25.0 |
| 0-40 | 1804 | 41.0 | 41.0 |
| 0-60 | 3240 | 73.7 | 73.7 |
| 0-90 | 4396 | 100.0 | 100.0 |
| 0-180 | 4396 | 100.0 | 100.0 |

ENERGY DATA

| | |
|---|--|
| Total Luminaire Efficiency | 100.0% |
| Total Lumens per Watt | 122 |
| IESNA RP-1-2004 Compliance | Non-Compliant |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | \$1.97 based on 3000 hrs. and \$0.08 per KWH |

INDOOR CANDELA PLOT



PHOTOMETRIC DATA

Test #17575 Test Date 8/25/2016

LUMINAIRE DATA

| | |
|--------------------------|---|
| Luminaire | SLK24-35HL-EU |
| Ballast | XI054C150V054BST1 |
| Ballast Factor | 1.00 |
| Lamp | LED |
| Fixture Lumens | 5607 |
| Watts | 44 |
| Mounting | Recessed |
| Shielding Angle | 0° = 90 90° = 90 |
| Spacing Criterion | 0° = 1.22 90° = 1.31 |
| Luminous Opening in Feet | Length: 3.92 Width: 1.92 Height: 0.00 |

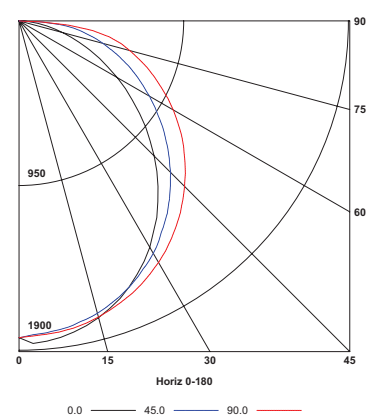
ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|-------|--------|--------|---------|
| 0-30 | 1422 | 25.4 | 25.4 |
| 0-40 | 2333 | 41.6 | 41.6 |
| 0-60 | 4161 | 74.2 | 74.2 |
| 0-90 | 5607 | 100.0 | 100.0 |
| 0-180 | 5607 | 100.0 | 100.0 |

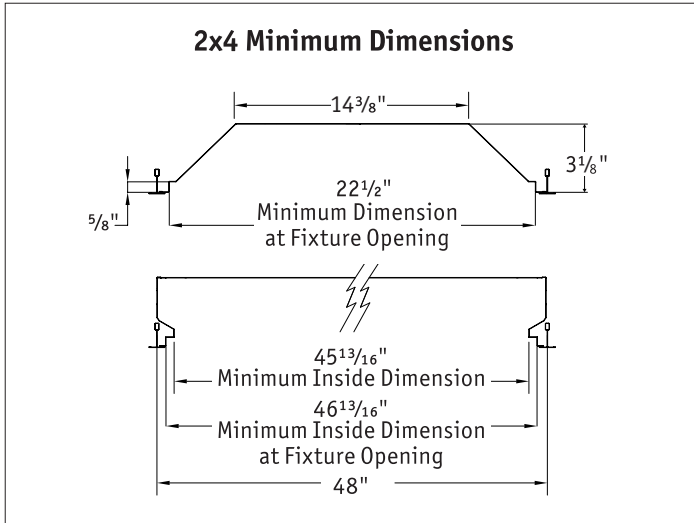
ENERGY DATA

| | |
|---|--|
| Total Luminaire Efficiency | 100.0% |
| Total Lumens per Watt | 127 |
| IESNA RP-1-2004 Compliance | Non-Compliant |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | \$1.89 based on 3000 hrs. and \$0.08 per KWH |

INDOOR CANDELA PLOT



DIMENSIONAL DATA



FIT & FUNCTION

Columbia recommends a trial installation prior to ordering project quantities to ensure proper fit. SLK retrofit kits are designed to fit into most parabolic and lensed-recessed troffers with minimum dimensional requirements. SLK retrofit kits are not compatible with air handling units.