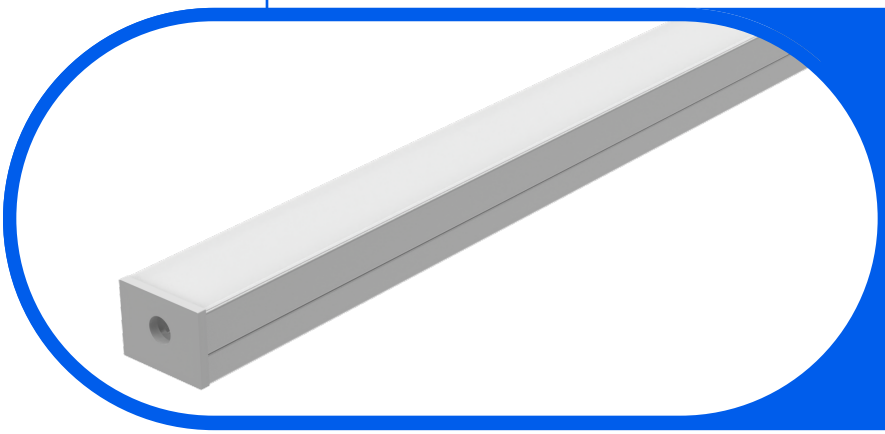
# Complete Specification Sheet

## Easy Spec 409 Static White

EASY SPEC



# Easy Spec 409 Static White (Indoor)

Easy Spec™: components to easily specify a fixture

PROP 65 | Supports TITLE 24 JA8-2016 Compliance | RoHS COMPLIANT | CLASS 2 | 24V DC | Dry Rated | Field Cuttable

## Specifications

| | |
|---|---|
| **Category** | Easy Spec |
| **Series** | Easy 409 |
| **Family** | Static White |
| **Watts per Foot** | 0.7 - 14.4 W |
| **IP Rating** | IP20 |
| **CRI** | 90+, 95+ |
| **Diodes** | U2835 |
| **Binning Tolerance** | 1 SDCM, 2 SDCM, 3 SDCM |
| **CCT Options** | 1800K - 6500K |
| **Input Voltage** | 24V DC |
| **Width** | 0.68in (18.0mm) |
| **Height** | 0.50in (13.0mm) |
| **Max Run Length** | 7 - 46ft (2.1 - 14m) |
| **Material** | Aluminum |
| **Beam Angle** | 62.2° |
| **Lumens per Foot** | 63 - 1475 lm/ft |
| **Storage Temp.** | -4°F (-20°C) to 158°F (70°C) |
| **Operating Temp.** | -4°F (-20°C) to 140°F (60°C) |
| **Dimming Options** | Triac, ELV, 0-10V, DMX |

## Features

- Field Serviceable Light Source & Engine
- Dimmable to 0.1%
- Beam Angles As Narrow As 22.5°
- 5/10 Year Warranty for LED Strip / Drivers
- Optional Assembly Available For Any Fixtures Up to 2m (6.56ft)
- Diode Imaging Free with White Lens

## Description

The Easy Spec series is designed for convenience and versatility, allowing you to quickly specify our standard Tape and Channel pairs with just one part number. Products arrive as individual components, providing your installation team the advantage of customizing lengths and configurations on-site for an optimal fit. Assembly services are available upon request.

Kelvix reserves the right to update the product specifications at any time. To maintain warranty, field modifications must follow approved Kelvix installation instruction.
Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

# Product Code Builder

## Easy Spec 409 Static White

EASY SPEC

## Product Code Builder

Example: EZ-409-I-U1-18K-100-C-P-A

| SERIES | CHANNEL | ENVIRONMENT | ILLUMINATION | COLOR | LUMEN OUTPUT |
|---|---|---|---|---|---|
| EZ | 409 | I | | | |
| Easy Spec | CH-409 | Indoor | | | |

**ILLUMINATION**

| | |
|---|---|
| U1 | 1-Step Uniform Static White |
| U2 | 2-Step Uniform Static White |
| U3 | 3-Step Uniform Static White |

**COLOR**

| | |
|---|---|
| 18K | 1800K |
| 22K | 2200K |
| 24K | 2400K |
| 27K | 2700K |
| 30K | 3000K |
| 35K | 3500K |
| 40K | 4000K |
| 50K | 5000K |
| 65K | 6500K |

**LUMEN OUTPUT**

| | |
|---|---|
| 100 | 100 lm/ft |
| 200 | 200 lm/ft |
| 300 | 300 lm/ft |
| 400 | 400 lm/ft |
| 500 | 500 lm/ft |
| 750 | 750 lm/ft |
| 1000 | 1000 lm/ft |
| 1250 | 1250 lm/ft |
| 1500 | 1500 lm/ft |

**LENS**

| | |
|---|---|
| C | Clear |
| F | Frosted |
| W | White |
| CW | Continuous White |
| B | Black |

**MOUNTING**

| | |
|---|---|
| P | Plastic Clip |

**FINISH**

| | |
|---|---|
| A | Anodized Aluminum |
| W | White Finish (WH-08) |
| B | Black Finish (BK-08) |
| C | Custom RAL # |

### LENS

**Clear**



CL

**Frosted**



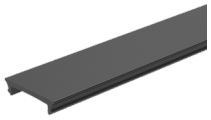
FR

**White / Continuous**



W CW

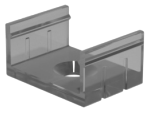
**Black**



BK

### MOUNTING

**Plastic Clip**



P

### FINISH

**Anodized Aluminum**

**White Finish (WH-08)**

**Black Finish (BK-08)**

**Custom RAL #**

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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

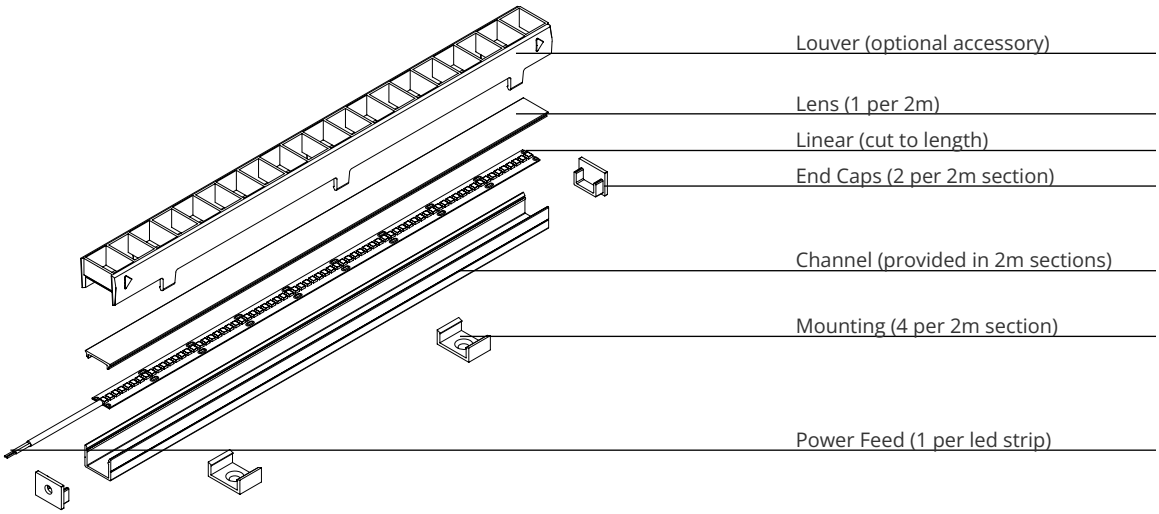
Location _____

# Assembly Details

## Easy Spec 409 Static White

EASY SPEC

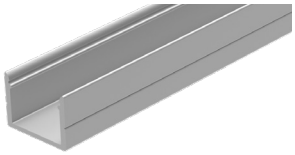
## Components




## Channel

**TYPE**

409

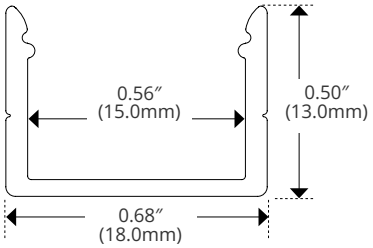


**DESCRIPTION**

CH-409-2M

| | |
|---|---|
| **Width** | 0.68in (18.0mm) |
| **Internal Width** | 0.56in (15.0mm) |
| **Height** | 0.50in (13.0mm) |

**DIMENSIONS**

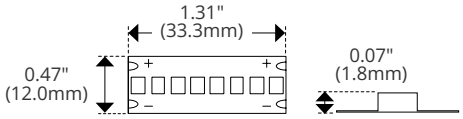



## Linear

**Uniform Static White (Indoor)**



| | |
|---|---|
| **Diode** | 2835 |
| **Width** | 0.47″ (12.0mm) |
| **Cut Intervals** | 1.31″ (33.3mm) |
| **Height** | 0.07″ (1.8mm) |




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Fixture Type _____

Project Name _____

Location _____

# Lens Details

## Easy Spec 409 Static White

EASY SPEC

### TYPE

### DESCRIPTION

### BEAM ANGLE

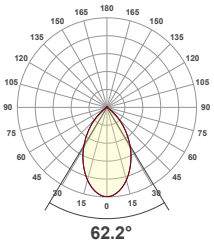
### DIMENSIONS

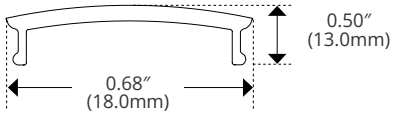
**White / Continuous**



| | |
|---|---|
| **White** | CH-LNS-409-WH-2M |
| **Continuous** | CH-LNS-409-WH-25M |

| | |
|---|---|
| **Material** | Polycarbonate |
| **Transmission** | 53% |
| **Width** | 0.62″ (15.8mm) |
| **Height** | 0.62″ (15.8mm) |



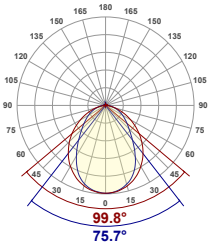




**Frosted**



CH-LNS-409-FR-2M

| | |
|---|---|
| **Material** | Polycarbonate |
| **Transmission** | 85% |
| **Width** | 0.62″ (15.8mm) |
| **Height** | 0.62″ (15.8mm) |

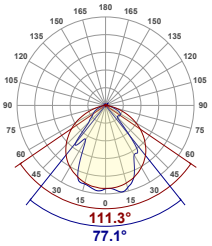



**Clear**

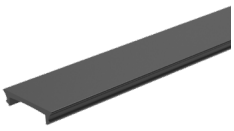


CH-LNS-409-CL-2M

| | |
|---|---|
| **Material** | Polycarbonate |
| **Transmission** | 96% |
| **Width** | 0.62″ (15.8mm) |
| **Height** | 0.62″ (15.8mm) |

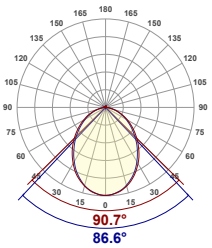



**Black**



CH-LNS-409-BK-2M

| | |
|---|---|
| **Material** | Polycarbonate |
| **Transmission** | 12% |
| **Width** | 0.62″ (15.8mm) |
| **Height** | 0.62″ (15.8mm) |



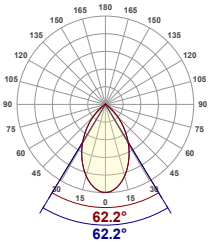

### ACCESSORIES SOLD SEPARATELY

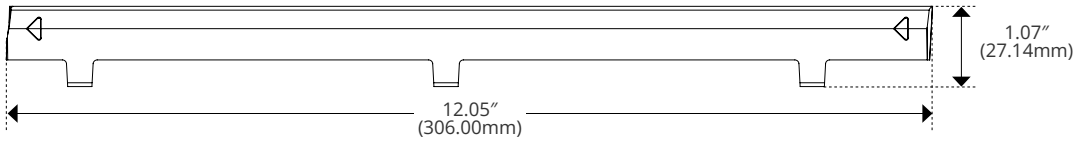
**Louver**



**CH-409-LV-BK-1FT**

| | |
|---|---|
| **UGR** | <13 |
| **Length** | 12.05″ (306.03mm) |
| **Width** | 0.96″ (24.38mm) |
| **Height** | 1.06″ (26.92mm) |
| **Height w/ Clip** | 1.1″ (27.68mm) |




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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

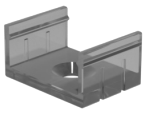
# Mounting Details

## Easy Spec 409 Static White

EASY SPEC

**TYPE**

**Plastic Clip**

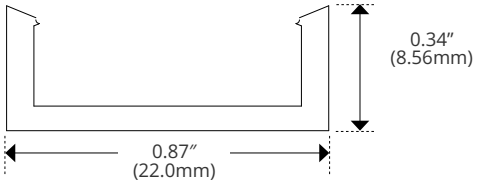


**DESCRIPTION**

CH-409-PAK-P

| | |
|---|---|
| **Length** | 0.59in (15.0mm) |
| **Width** | 0.87in (22.0mm) |
| **Height** | 0.34in (8.56mm) |

**DIMENSIONS**




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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

# Lumen and Power Details

## Easy Spec 409 Static White

EASY SPEC

### DELIVERED LUMENS (1 AND 2-STEP)

| CCT | Lens | 100 (lm/ft) | 200 (lm/ft) | 300 (lm/ft) | 400 (lm/ft) | 500 (lm/ft) | 750 (lm/ft) | 1000 (lm/ft) | 1250 (lm/ft) | 1500 (lm/ft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1800K | White | 38 | 86 | 134 | 177 | 202 | 275 | 349 | 449 | 529 |
| 2200K | | 46 | 104 | 162 | 214 | 245 | 324 | 412 | 529 | 623 |
| 2400K | | 47 | 108 | 168 | 222 | 254 | 343 | 435 | 559 | 659 |
| 2700K | | 49 | 112 | 174 | 229 | 262 | 362 | 459 | 590 | 695 |
| 3000K | | 53 | 121 | 189 | 249 | 285 | 377 | 479 | 615 | 724 |
| 3500K | | 63 | 144 | 225 | 296 | 339 | 411 | 522 | 670 | 789 |
| 4000K | | 56 | 129 | 200 | 264 | 302 | 407 | 517 | 664 | 782 |
| 5000K | | 57 | 130 | 202 | 267 | 305 | 414 | 526 | 676 | 796 |
| 6500K | | 57 | 131 | 204 | 269 | 308 | 418 | 531 | 682 | 804 |
| 1800K | Frosted | 48 | 110 | 172 | 226 | 259 | 357 | 453 | 582 | 686 |
| 2200K | | 59 | 134 | 208 | 274 | 313 | 420 | 534 | 686 | 807 |
| 2400K | | 61 | 138 | 215 | 284 | 325 | 445 | 565 | 725 | 854 |
| 2700K | | 63 | 143 | 222 | 293 | 335 | 469 | 595 | 765 | 902 |
| 3000K | | 68 | 155 | 242 | 318 | 365 | 488 | 621 | 797 | 939 |
| 3500K | | 81 | 185 | 288 | 379 | 434 | 533 | 676 | 869 | 1023 |
| 4000K | | 72 | 165 | 256 | 338 | 386 | 527 | 670 | 861 | 1014 |
| 5000K | | 73 | 166 | 259 | 341 | 390 | 537 | 682 | 877 | 1033 |
| 6500K | | 73 | 168 | 261 | 344 | 394 | 543 | 689 | 885 | 1042 |
| 1800K | Clear | 52 | 120 | 186 | 245 | 281 | 386 | 490 | 629 | 741 |
| 2200K | | 64 | 145 | 225 | 297 | 340 | 454 | 577 | 741 | 873 |
| 2400K | | 66 | 150 | 234 | 308 | 352 | 481 | 611 | 784 | 924 |
| 2700K | | 68 | 155 | 241 | 318 | 364 | 507 | 644 | 828 | 975 |
| 3000K | | 74 | 168 | 262 | 346 | 396 | 528 | 671 | 862 | 1015 |
| 3500K | | 88 | 201 | 313 | 412 | 471 | 576 | 731 | 940 | 1107 |
| 4000K | | 78 | 179 | 278 | 367 | 419 | 570 | 725 | 931 | 1097 |
| 5000K | | 79 | 181 | 281 | 370 | 423 | 581 | 738 | 948 | 1117 |
| 6500K | | 80 | 182 | 284 | 374 | 427 | 587 | 745 | 957 | 1127 |
| 1800K | Black | 5 | 11 | 16 | 22 | 25 | 35 | 44 | 57 | 67 |
| 2200K | | 6 | 13 | 20 | 26 | 30 | 41 | 52 | 67 | 78 |
| 2400K | | 6 | 13 | 21 | 27 | 31 | 43 | 55 | 70 | 83 |
| 2700K | | 6 | 14 | 21 | 28 | 32 | 46 | 58 | 74 | 88 |
| 3000K | | 7 | 15 | 23 | 30 | 35 | 47 | 60 | 77 | 91 |
| 3500K | | 8 | 18 | 27 | 36 | 41 | 52 | 66 | 84 | 99 |
| 4000K | | 7 | 16 | 24 | 32 | 37 | 51 | 65 | 84 | 98 |
| 5000K | | 7 | 16 | 25 | 33 | 37 | 52 | 66 | 85 | 100 |
| 6500K | | 7 | 16 | 25 | 33 | 38 | 53 | 67 | 86 | 101 |

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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

# Lumen and Power Details

## Easy Spec 409 Static White

EASY SPEC

### POWER DETAILS (1 AND 2-STEP)

| 1 and 2 Step | Output (lm/ft) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 100 | 200 | 300 | 400 | 500 | 750 | 1000 | 1250 | 1500 |
| Wattage (W/ft) | 0.8 | 1.7 | 2.5 | 3.6 | 4.0 | 6.4 | 8.5 | 11.6 | 14.4 |
| Max Run Length (ft) | 46 | 36 | 29 | 24 | 20 | 16 | 12 | 9 | 7 |
| Black (lm/W) | 8 | 9 | 9 | 8 | 9 | 7 | 7 | 7 | 6 |
| White (lm/W) | 67 | 71 | 76 | 69 | 71 | 59 | 56 | 53 | 50 |
| Frosted (lm/W) | 85 | 91 | 97 | 88 | 91 | 76 | 73 | 69 | 65 |
| Clear (lm/W) | 93 | 127 | 134 | 123 | 126 | 97 | 93 | 87 | 83 |

### TM30 DATA (1 AND 2-STEP)

| 1250 lm/ft | | CRI | Rf | Rg | R9 |
|---|---|---|---|---|---|
| 1 and 2-Step | 1800K | 95.7 | 93.5 | 100.2 | 73 |
| | 2200K | 95 | 94.1 | 104.2 | 91 |
| | 2400K | 95.7 | 94.3 | 104.4 | 91 |
| | 2700K | 95.9 | 95.1 | 103.9 | 98 |
| | 3000K | 97.2 | 95.3 | 102.7 | 98 |
| | 3500K | 96.7 | 94.9 | 103.5 | 98 |
| | 4000K | 97.3 | 94.9 | 102.5 | 97 |
| | 5000K | 96.4 | 95.1 | 103.8 | 97 |
| | 6500K | 96.9 | 94.2 | 102.5 | 97 |

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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

# Lumen and Power Details

## Easy Spec 409 Static White

EASY SPEC

### DELIVERED LUMENS (3-STEP)

| CCT | Lens | 100 (lm/ft) | 200 (lm/ft) | 300 (lm/ft) | 400 (lm/ft) | 500 (lm/ft) | 750 (lm/ft) | 1000 (lm/ft) | 1250 (lm/ft) | 1500 (lm/ft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1800K | White | 41 | 73 | 108 | 150 | 172 | 211 | 271 | 355 | 415 |
| 2200K | | 58 | 104 | 155 | 216 | 246 | 335 | 430 | 564 | 660 |
| 2400K | | 62 | 112 | 165 | 230 | 263 | 361 | 464 | 609 | 713 |
| 2700K | | 65 | 116 | 172 | 240 | 274 | 354 | 454 | 596 | 697 |
| 3000K | | 65 | 118 | 174 | 242 | 277 | 376 | 484 | 634 | 742 |
| 3500K | | 66 | 119 | 176 | 244 | 279 | 395 | 507 | 666 | 779 |
| 4000K | | 68 | 122 | 180 | 252 | 288 | 403 | 517 | 679 | 794 |
| 5000K | | 71 | 127 | 187 | 262 | 299 | 410 | 527 | 691 | 809 |
| 6500K | | 69 | 125 | 184 | 257 | 293 | 399 | 512 | 672 | 787 |
| 1800K | Frosted | 53 | 93 | 138 | 192 | 220 | 273 | 351 | 460 | 538 |
| 2200K | | 74 | 134 | 198 | 276 | 315 | 434 | 558 | 732 | 856 |
| 2400K | | 79 | 143 | 211 | 294 | 337 | 469 | 601 | 789 | 924 |
| 2700K | | 83 | 149 | 220 | 307 | 351 | 459 | 589 | 773 | 904 |
| 3000K | | 84 | 151 | 222 | 310 | 354 | 488 | 627 | 822 | 962 |
| 3500K | | 84 | 152 | 225 | 313 | 358 | 512 | 658 | 863 | 1010 |
| 4000K | | 87 | 156 | 231 | 322 | 368 | 522 | 671 | 880 | 1029 |
| 5000K | | 91 | 163 | 240 | 335 | 383 | 531 | 683 | 896 | 1048 |
| 6500K | | 89 | 160 | 235 | 329 | 375 | 517 | 664 | 871 | 1020 |
| 1800K | Clear | 57 | 101 | 150 | 208 | 238 | 295 | 380 | 498 | 582 |
| 2200K | | 80 | 145 | 215 | 300 | 342 | 470 | 603 | 791 | 926 |
| 2400K | | 86 | 155 | 229 | 319 | 366 | 507 | 650 | 854 | 999 |
| 2700K | | 90 | 161 | 239 | 333 | 381 | 496 | 637 | 836 | 978 |
| 3000K | | 91 | 164 | 241 | 336 | 385 | 527 | 678 | 889 | 1040 |
| 3500K | | 91 | 165 | 244 | 339 | 388 | 554 | 711 | 933 | 1092 |
| 4000K | | 94 | 170 | 251 | 350 | 400 | 565 | 725 | 952 | 1113 |
| 5000K | | 98 | 177 | 260 | 363 | 416 | 575 | 738 | 969 | 1134 |
| 6500K | | 96 | 173 | 256 | 357 | 407 | 559 | 718 | 942 | 1103 |
| 1800K | Black | 5 | 9 | 13 | 18 | 21 | 27 | 34 | 45 | 52 |
| 2200K | | 7 | 13 | 19 | 26 | 30 | 42 | 54 | 71 | 83 |
| 2400K | | 8 | 14 | 20 | 28 | 32 | 45 | 58 | 77 | 90 |
| 2700K | | 8 | 14 | 21 | 29 | 33 | 45 | 57 | 75 | 88 |
| 3000K | | 8 | 14 | 21 | 30 | 34 | 47 | 61 | 80 | 93 |
| 3500K | | 8 | 14 | 21 | 30 | 34 | 50 | 64 | 84 | 98 |
| 4000K | | 8 | 15 | 22 | 31 | 35 | 51 | 65 | 85 | 100 |
| 5000K | | 9 | 16 | 23 | 32 | 37 | 52 | 66 | 87 | 102 |
| 6500K | | 8 | 15 | 22 | 31 | 36 | 50 | 64 | 85 | 99 |

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Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

# Lumen and Power Details

## Easy Spec 409 Static White

EASY SPEC

### POWER DETAILS (3-STEP)

| 3 Step | Output (lm/ft) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 100 | 200 | 300 | 400 | 500 | 750 | 1000 | 1250 | 1500 |
| Wattage (W/ft) | 0.7 | 1.3 | 2.0 | 2.6 | 3.4 | 4.4 | 5.6 | 7.2 | 8.6 |
| Max Run Length (ft) | 46 | 30 | 25 | 22 | 19 | 17 | 14 | 11 | 11 |
| Black (lm/W) | 11 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 11 |
| White (lm/W) | 93 | 91 | 87 | 93 | 81 | 86 | 86 | 88 | 86 |
| Frosted (lm/W) | 119 | 116 | 111 | 119 | 104 | 111 | 112 | 114 | 112 |
| Clear (lm/W) | 130 | 140 | 135 | 145 | 126 | 138 | 139 | 142 | 139 |

### TM30 DATA (3-STEP)

| 1250 lm/ft | | CRI | Rf | Rg | R9 |
|---|---|---|---|---|---|
| 3-Step | 1800K | 93.2 | 91.9 | 99.2 | 64 |
| | 2200K | 93.6 | 91.2 | 105.2 | 79 |
| | 2400K | 94.1 | 89.7 | 106.1 | 72 |
| | 2700K | 94.1 | 92.3 | 105.5 | 94 |
| | 3000K | 94.6 | 92.5 | 103.8 | 86 |
| | 3500K | 96.7 | 92 | 100.2 | 80 |
| | 4000K | 97.5 | 92 | 100 | 91 |
| | 5000K | 89.7 | 90 | 103.3 | 49 |
| | 6500K | 89 | 87.4 | 101 | 46 |

Kelvix reserves the right to update the product specifications at any time. To maintain warranty, field modifications must follow approved Kelvix installation instruction.
Conforms to ANSI/UL Standard 2108
Certified to CAN/CSA Standard C22.2 No. 250.2

Fixture Type _____

Project Name _____

Location _____

# Power Supply Details

## Easy Spec

EASY SPEC

**TYPE** | **DESCRIPTION**

### ULV-36



**ULV36**

| | |
|---|---|
| **Length** | 4.50” (114.3mm) |
| **Width** | 2.31” (58.6mm) |
| **Height** | 1.37” (34.7mm |

| | |
|---|---|
| **Voltage** | 24V DC |
| **Compatible Protocols** | ELV, MLV, 0–10V, Resistive, PWM |
| **Dim Capability** | 5% |
| **Wattage** | 36W |

### ULV-96-M



**ULV96-M**

| | |
|---|---|
| **Length** | 10.75” (273.0mm) |
| **Width** | 3.00” (75.8mm) |
| **Height** | 1.57” (40.0mm) |

| | |
|---|---|
| **Voltage** | 24V DC |
| **Compatible Protocols** | ELV, MLV, 0–10V, Triac |
| **Dim Capability** | 0.1% |
| **Wattage** | 96W |

### ULV-192



**ULV192**

| | |
|---|---|
| **Length** | 11.37” (288.7mm) |
| **Width** | 3.37” (85.5mm) |
| **Height** | 1.37” (34.7mm) |

| | |
|---|---|
| **Voltage** | 24V DC |
| **Compatible Protocols** | ELV, MLV, 0–10V, Resistive, PWM |
| **Dim Capability** | 1% |
| **Wattage** | 2x 96W |

### ULV-96-SC-DIM



**ULV96-SC-DIM**

| | |
|---|---|
| **Length** | 14.96” (380.0mm) |
| **Width** | 3.03” (77.0mm) |
| **Height** | 2.24” (57.0mm) |

| | |
|---|---|
| **Voltage** | 24V DC |
| **Compatible Protocols** | MLV, 0–10V |
| **Dim Capability** | 0.1% |
| **Wattage** | 96W |

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Fixture Type _____

Project Name _____

Location _____