

# 3" ARCHITECTURAL KOTO™ DOWNLIGHTING SYSTEM

10.5W-18.9W, 2700K-4000K, or Sunset, Up to 1950 lm,  
120V or 120/277V

## THE ARCHITECTURAL KOTO™ SYSTEM

The high quality residential grade downlight with a 2" aperture with lumen output up to 1950 lumens.



### FEATURES

- Driver on housing extends lifespan and allows for more dimming options and applications
- Lumen output based on housing and module
- Driver on Housing: 120V, Triac/ELV dimming to 5% or 120-277V, 0-10V/Triac/ELV dimming to 1%
- 18°, 25°, 38°, 60°, and 90° beam angle options
- Excellent color rendering 95+ CRI
- Title 24 JA8-2022-E Compliant. ENERGY STAR Compliant
- Covered by U.S. PATENTS and Patents Pending

### SPECIFICATIONS

|               |                                        |
|---------------|----------------------------------------|
| Wattage       | 12.5W - 18.9W                          |
| Lumens        | 750 lm - 1950 lm                       |
| Voltage       | 120V or 120/277V                       |
| Color Temp.   | 2700K, 3000K, 3500K, 4000K, or Sunset  |
| CRI           | 95+                                    |
| Damp Location | UL Listed Adjustable Trims             |
| Wet Location  | UL Listed Fixed Trims                  |
| Dimming       | Triac/ELV (5%) or 0-10V/Triac/ELV (1%) |
| Beam Angle    | 18°, 25°, 38°, 60° & 90°               |

### SET UP

1. Select a New Construction or Remodel Housing.
2. Select a Koto™ Architectural LED Light Engine.
3. Select a Trim.



### Finishes



# PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one)

Example: E3LK76ICA

## 3" IC AIRTIGHT RECESSED HOUSINGS

| ITEM                                                        | WATTAGE                                                                                                      |                                        | VOLTAGE/DIMMING                           |                                           | EMERGENCY BATTERY BACKUP                                                                                                         |                    |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|
| E3LK                                                        |                                                                                                              |                                        |                                           |                                           |                                                                                                                                  |                    |
| E3LK                                                        | 120V Maximum Adjustability New Construction Housings                                                         |                                        |                                           |                                           |                                                                                                                                  |                    |
|                                                             | 76 <sup>1</sup>                                                                                              | 14.7W (Shallow - 3 ½" Height)          | ICA                                       | 120V - Triac/ELV<br>IC Airtight           | -EM5 <sup>3</sup>                                                                                                                | 25W MAX            |
|                                                             | 53 <sup>1,2</sup>                                                                                            | 15.7W (5 ½" Height)                    |                                           |                                           | -EM7 <sup>4</sup>                                                                                                                | 15W MAX            |
|                                                             | 84 <sup>1,2</sup>                                                                                            | 18.9W (5 ½" Height)                    |                                           |                                           |                                                                                                                                  |                    |
|                                                             | <sup>1</sup> Collar adjustable up to 1 ½" ceiling thickness<br><sup>2</sup> Not to be used with ELK19 Series |                                        |                                           |                                           | <sup>3</sup> Requires access above ceiling<br><sup>4</sup> For E3LK76ICA (14.7W) only with 5 ½" tall box, accessible from below  |                    |
|                                                             | 120/277V Maximum Adjustability New Construction Housings                                                     |                                        |                                           |                                           |                                                                                                                                  |                    |
|                                                             | 77 <sup>1</sup>                                                                                              | 14.7W (Shallow - 3 ½" Height)          | ICAD                                      | 120/277V - 0-10V/Triac/ELV<br>IC Airtight | EM5 <sup>3</sup>                                                                                                                 | 25W MAX - 120/277V |
|                                                             | 54 <sup>1,2</sup>                                                                                            | 15.7W (5 ½" Height)                    |                                           |                                           | -EM7 <sup>4</sup>                                                                                                                | 15W MAX - 120V     |
|                                                             | 85 <sup>1,2</sup>                                                                                            | 18.9W (5 ½" Height)                    |                                           |                                           |                                                                                                                                  |                    |
|                                                             | <sup>1</sup> Collar adjustable up to 1 ½" ceiling thickness<br><sup>2</sup> Not to be used with ELK19 Series |                                        |                                           |                                           | <sup>3</sup> Requires access above ceiling<br><sup>4</sup> For E3LK77ICAD (14.7W) only with 5 ½" tall box, accessible from below |                    |
|                                                             | 120V Standard New Construction/Remodel Housings                                                              |                                        |                                           |                                           |                                                                                                                                  |                    |
|                                                             | 65 <sup>1</sup>                                                                                              | 12.5W (New Construction - 5 ½" Height) | ICA                                       | 120V - Triac/ELV<br>IC Airtight           | EM5                                                                                                                              | 25W MAX            |
|                                                             | 65R <sup>1</sup>                                                                                             | 12.5W (Remodel - 5 ½" Height)          |                                           |                                           |                                                                                                                                  |                    |
|                                                             | <sup>1</sup> Collar adjustable up to 1 ½" ceiling thickness                                                  |                                        |                                           |                                           |                                                                                                                                  |                    |
|                                                             | 120/277V Standard New Construction/Remodel Housings                                                          |                                        |                                           |                                           |                                                                                                                                  |                    |
| 66 <sup>1</sup>                                             | 12.5W (New Construction - 5 ½" Height)                                                                       | ICAD                                   | 120/277V - 0-10V/Triac/ELV<br>IC Airtight | EM5                                       | 25W MAX - 120/277V                                                                                                               |                    |
| 66R <sup>1</sup>                                            | 12.5W (Remodel - 5 ½" Height)                                                                                |                                        |                                           |                                           |                                                                                                                                  |                    |
| <sup>1</sup> Collar adjustable up to 1 ½" ceiling thickness |                                                                                                              |                                        |                                           |                                           |                                                                                                                                  |                    |

PRODUCT NUMBER BUILDER

STEP 2. Specify Architectural Koto™ LED Light Engine part number (Select one) Example: ELK2127D-W

| ITEM                                                                                      | LUMENS                                                                                    |           | COLOR TEMPERATURE                                                                                                       |                                                                         | BEAM ANGLE                                                                                                                        |                  |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------|
| ELK                                                                                       |                                                                                           |           |                                                                                                                         |                                                                         |                                                                                                                                   |                  |
| ELK                                                                                       | Architectural Koto LED Light Engine                                                       |           |                                                                                                                         |                                                                         |                                                                                                                                   |                  |
|                                                                                           | 19 <sup>1</sup>                                                                           | 750-1000  | 27D                                                                                                                     | 2700K                                                                   | (Blank)                                                                                                                           | 38° <sup>4</sup> |
|                                                                                           | 21 <sup>1</sup>                                                                           | 950-1650  | 30D                                                                                                                     | 3000K                                                                   | -S                                                                                                                                | 18°              |
|                                                                                           | 24 <sup>1</sup>                                                                           | 1010-1950 | 35D                                                                                                                     | 3500K                                                                   | -N                                                                                                                                | 25°              |
|                                                                                           |                                                                                           |           | 40D                                                                                                                     | 4000K                                                                   | -W                                                                                                                                | 60°              |
|                                                                                           |                                                                                           |           | SD <sup>2,3</sup>                                                                                                       | Sunset                                                                  | -E                                                                                                                                | 90° <sup>5</sup> |
|                                                                                           |                                                                                           |           | AMD <sup>2</sup>                                                                                                        | Turtle Friendly Amber LED                                               |                                                                                                                                   |                  |
|                                                                                           | <sup>1</sup> Lumen output varies based on the Architectural Koto Housing used (SEE CHART) |           | <sup>2</sup> Available with ELK19 module only<br><sup>3</sup> Sunset, Dim to Warm technology, dims from 3000K to 1800K. |                                                                         | <sup>4</sup> 38° installed on module with 25° & 60° included in the box<br><sup>5</sup> 90° available with frosted reflector only |                  |
|                                                                                           | Architectural Koto FOCUS LED Light Engine                                                 |           |                                                                                                                         |                                                                         |                                                                                                                                   |                  |
|                                                                                           | 21 <sup>1</sup>                                                                           | 950-1200  | 27D                                                                                                                     | 2700K                                                                   | -FC <sup>6</sup>                                                                                                                  | 18°-50°          |
|                                                                                           |                                                                                           | 30D       | 3000K                                                                                                                   |                                                                         |                                                                                                                                   |                  |
|                                                                                           |                                                                                           | 35D       | 3500K                                                                                                                   |                                                                         |                                                                                                                                   |                  |
|                                                                                           |                                                                                           | 40D       | 4000K                                                                                                                   |                                                                         |                                                                                                                                   |                  |
| <sup>1</sup> Lumen output varies based on the Architectural Koto Housing used (SEE CHART) |                                                                                           |           |                                                                                                                         | <sup>6</sup> Adjustable Focus offers 18°-50° with a twist of the snoot. |                                                                                                                                   |                  |

| Field Changeable Secondary Module Optics (Not Compatible with Koto Focus Module) |                  |             |             |                  |             |                    |                    |                   |                   |             |             |
|----------------------------------------------------------------------------------|------------------|-------------|-------------|------------------|-------------|--------------------|--------------------|-------------------|-------------------|-------------|-------------|
| L45                                                                              | L57              | L46         | L47         | L49              | L51         | L52                | L53                | L54               | L55               | L50W        | L50B        |
| Black Hex Louver                                                                 | White Hex Louver | Linear Lens | Spread Lens | Frosted Diffuser | CCT Reducer | Blue Color Shifter | Pink Color Shifter | Single Asymmetric | Double Asymmetric | White Snoot | Black Snoot |

| Nominal Delivered Lumens (Housing + Module)                 |                                        |                                       |                                          |                                          |
|-------------------------------------------------------------|----------------------------------------|---------------------------------------|------------------------------------------|------------------------------------------|
| Compatible Architectural Housings Lumen Output (Per Module) | Standard Housings (12.5W) E3LK6 Series | Shallow Housings (14.7W) E3LK7 Series | High Lumen Housings (15.7W) E3LK5 Series | High Lumen Housings (18.9W) E3LK8 Series |
| Architectural Koto™ LED Module                              |                                        |                                       |                                          |                                          |
| ELK19 Series                                                | ~750 lm                                | ~1000 lm                              | Not Compatible                           | Not Compatible                           |
| ELK21 Series                                                | ~950 lm                                | ~1200 lm                              | ~1400 lm                                 | ~1650 lm                                 |
| ELK24 Series                                                | ~1010 lm                               | ~1400 m                               | ~1750 lm                                 | ~1950 lm                                 |
| Architectural Koto™ FOCUS LED Module                        |                                        |                                       |                                          |                                          |
| ELK21XXD-FC Series                                          | ~950 lm                                | ~1050 lm                              | ~1200 lm                                 | Not Compatible                           |

| Koto Modules - Lumen Value Multiplier |            |            |            |
|---------------------------------------|------------|------------|------------|
| CCT                                   | Multiplier | Beam Angle | Multiplier |
| 2700K                                 | 0.96       | 18°        | 0.84       |
| 3000K                                 | 1          | 25°        | 0.89       |
| 3500K                                 | 1.05       | 38°        | 1          |
| 4000K                                 | 1.085      | 60°        | 1.065      |
| SD                                    | 0.85       | 90°        | 0.95       |

## PRODUCT NUMBER BUILDER

### STEP 3. Specify Trim part number (Select one)

#### 3" KOTO™ ROUND TRIMS



Style: **Fixed Deep Reflector**  
Item: **ELK3618W** (All White)  
**ELK3618BB** (All Black)  
**ELK3618BZ** (All Bronze)  
**ELK3618B** (Black/White Ring)  
**ELK3618C** (Chrome/White Ring)  
**ELK3618H** (Haze/White Ring)



Style: **Adjustable Reflector**  
Item: **ELK3629W** (All White)  
**ELK3629BB** (All Black)  
**ELK3629BZ** (All Bronze)  
**ELK3629B** (Black/White Ring)  
**ELK3629C** (Chrome/White Ring)  
**ELK3629H** (Haze/White Ring)



Style: **Adjustable Pinhole**  
Item: **ELK3627W** (All White)  
**ELK3627BB** (All Black)  
**ELK3627BZ** (All Bronze)  
**ELK3627B** (Black/White Ring)  
**ELK3627H** (Haze/White Ring)



Style: **Adjustable Slot Aperture**  
Item: **ELK3620W\*** (Black Slot/White Ring)  
\*Must be used with Maximum Adjustability Housings



Style: **Adjustable Reflector Wall Wash**  
Item: **ELK3622W\*** (All White)  
\*Must be used with Maximum Adjustability Housings



Style: **Directional Gimbal**  
Item: **ELK3679W** (All White)  
**ELK3679BB** (All Black)  
**ELK3679B** (Black/White Ring)  
**ELK3679H** (Haze/White Ring)



Style: **Curved Reflector**  
Item: **ELK3672W** (All White)  
**ELK3672B** (All Black)



Style: **Adjustable Baffle**  
Item: **ELK3693W** (All White)



Style: **Flush Mount Spackle Frame**  
Item: **EL3FMR**  
Compatible with ELK3618, ELK3629, ELK3627, ELK3620, ELK3622, & ELK3693 trims



Style: **Sleek Regressed Eyeball**  
Item: **ELK3653W** (All White)  
**ELK3653BB** (All Black)



Style: **Sleek Reflector**  
Item: **ELK3663W** (All White)  
**ELK3663BB** (All Black)



Style: **Sleek Lensed Wall Wash Reflector**  
Item: **ELK3683W** (All White)  
**ELK3683BB** (All Black)

#### 3" KOTO™ SQUARE TRIMS



Style: **Fixed Deep Reflector**  
Item: **ELK3318W** (All White)  
**ELK3318BB** (All Black)  
**ELK3318BZ** (All Bronze)  
**ELK3318B** (Black/White Ring)  
**ELK3318C** (Chrome/White Ring)  
**ELK3318H** (Haze/White Ring)



Style: **Adjustable Reflector**  
Item: **ELK3329W** (All White)  
**ELK3329BB** (All Black)  
**ELK3329BZ** (All Bronze)  
**ELK3329B** (Black/White Ring)  
**ELK3329C** (Chrome/White Ring)  
**ELK3329H** (Haze/White Ring)



Style: **Adjustable Pinhole**  
Item: **ELK3327W** (All White)  
**ELK3327BB** (All Black)  
**ELK3327BZ** (All Bronze)  
**ELK3327B** (Black/White Ring)  
**ELK3327H** (Haze/White Ring)

## PRODUCT NUMBER BUILDER

### STEP 3. Specify Trim part number (Select one)

#### 3" KOTO™ SQUARE TRIMS



Style: **Adjustable Reflector Wall Wash**  
Item: **ELK3322W\*** (All White)  
\*Must be used with Maximum adjustability Housings



Style: **Square Reflector**  
Item: **ELK3341W** (All White)  
**ELK3341BB** (All Black)  
**ELK3341BZ** (All Bronze)  
**ELK3341B** (Black/White Ring)



Style: **Adjustable Baffle**  
Item: **ELK3393W** (All White)



Style: **Flush Mount Spackle Frame**  
Item: **EL3FMS**  
Compatible with ELK3318, ELK3329, ELK3327,  
ELK3622, ELK3341, & ELK3393 trims

#### 3" KOTO™ ROUND TRIMLESS



Style: **Fixed Trimless Reflector**  
Item: **ELK308W** (All White)  
**ELK308B** (All Black)  
**ELK308H** (All Haze)



Style: **Adjustable Trimless Reflector**  
Item: **ELK315W** (All White)  
**ELK315B** (All Black)  
**ELK315H** (All Haze)



Style: **Trimless Spackle Frame**  
Item: **EL3SFR**  
For use with ELK308 & ELK315



Style: **Knife Edge Wood Ceiling Adaptor**  
Item: **EL3WCRW** (All White)  
**EL3WCRB** (All Black)  
For use with ELK308 & ELK315



Style: **Trimless Wood Ceiling Ring**  
Item: **EL3WCARD**  
For use with ELK308 & ELK315

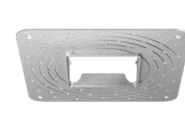
#### 3" KOTO™ SQUARE TRIMLESS



Style: **Fixed Trimless Reflector**  
Item: **ELK370W** (All White)  
**ELK370B** (All Black)  
**ELK370H** (All Haze)



Style: **Adjustable Trimless Reflector**  
Item: **ELK381W** (All White)  
**ELK381B** (All Black)  
**ELK381H** (All Haze)

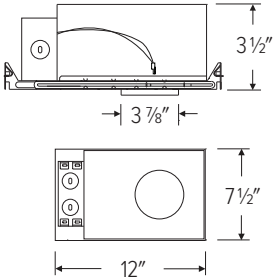


Style: **Trimless Spackle Frame**  
Item: **EL03SFS**  
For use with ELK370 & ELK381

PRODUCT DIMENSIONS

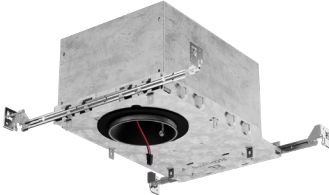
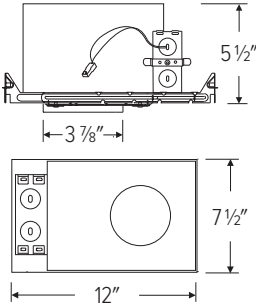
ARCHITECTURAL KOTO™ IC AIRTIGHT RECESSED HOUSINGS

**E3LK76/E3LK77**  
MAXIMUM ADJUSTABILITY SHALLOW NEW CONSTRUCTION HOUSING



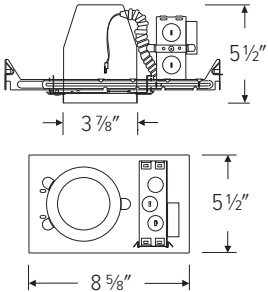
-EM7 housing is 5 1/2" tall

**E3LK53/E3LK54/E3LK84/E3LK85**  
MAXIMUM ADJUSTABILITY NEW CONSTRUCTION HOUSING

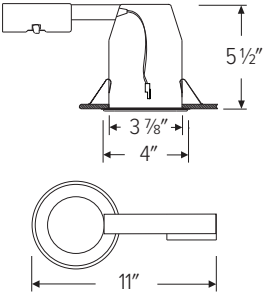


For use with ELK21 & ELK24 Series only

**E3LK65/E3LK66**  
STANDARD NEW CONSTRUCTION HOUSING

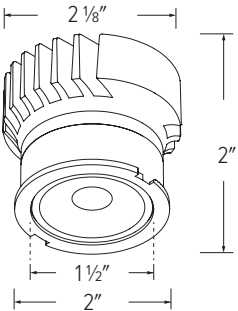


**E3LK65R/E3LK66R**  
STANDARD REMODEL HOUSING

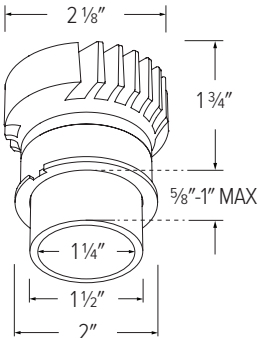


ARCHITECTURAL KOTO™ LED LIGHT ENGINES

**ELK19/ELK21/ELK24**  
ARCHITECTURAL KOTO™ LED LIGHT ENGINE

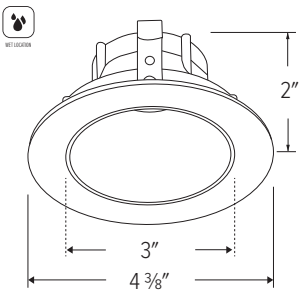


**ELK2127D-FC/ELK2130D-FC/ELK2135D-FC/ ELK2140D-FC**  
ARCHITECTURAL KOTO™ FOCUS LED LIGHT ENGINE



PRODUCT DIMENSIONS

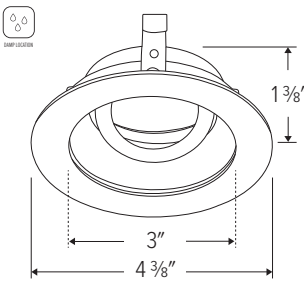
KOTO™ TRIMS



**ELK3618 - 3" ROUND DEEP REFLECTOR**



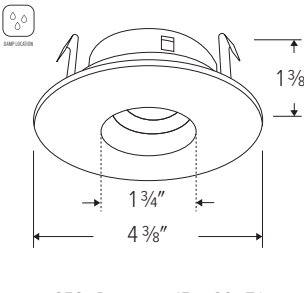
**W** (All White)    **B** (Black/White)  
**BB** (All Black)    **C** (Chrome/White)  
**BZ** (All Bronze)    **H** (Haze/White)



**ELK3629 - 3" ROUND ADJUSTABLE REFLECTOR**



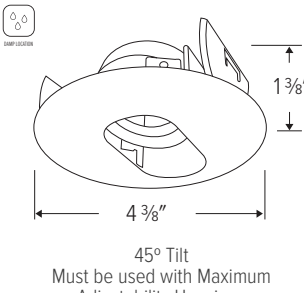
**W** (All White)    **B** (Black/White)  
**BB** (All Black)    **C** (Chrome/White)  
**BZ** (All Bronze)    **H** (Haze/White)



**ELK3627 - 3" ROUND ADJUSTABLE PINHOLE**



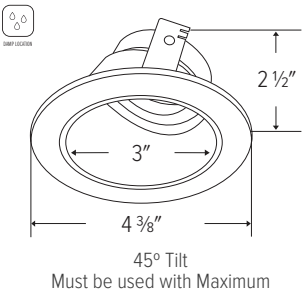
**W** (All White)    **BZ** (All Bronze)  
**BB** (All Black)    **B** (Black/White)



**ELK3620 - 3" ROUND ADJUSTABLE SLOT APERTURE**



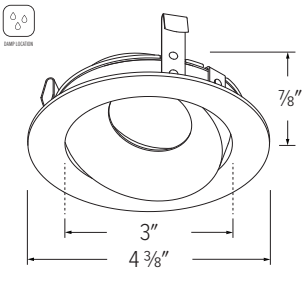
**W** (Black Slot/White)



**ELK3622 - 3" ADJUSTABLE REFLECTOR WALL WASH**



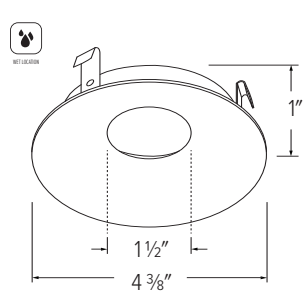
**W** (All White)



**ELK3679 - 3" ROUND DIRECTIONAL GIMBAL**



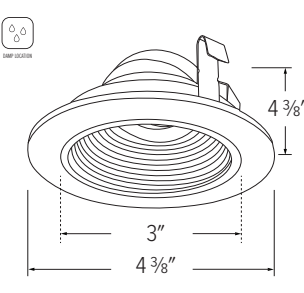
**W** (All White)    **B** (Black/White)  
**BB** (All Black)    **H** (Haze/White)



**ELK3672 - 3" ROUND CURVED REFLECTOR**



**W** (All White)  
**BB** (All Black)



**ELK3693 - 3" ROUND ADJUSTABLE BAFFLE**

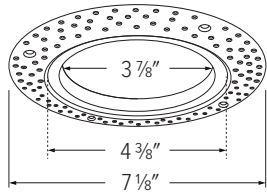


**W** (All White)

## PRODUCT DIMENSIONS

### KOTO™ TRIMS

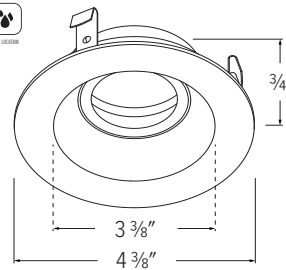
**EL3FMR - 3" FLUSH MOUNT SPACKLE FRAME**



Compatible with ELK3618, ELK3629,  
ELK3627, ELK3620, ELK3622,  
& ELK3693 trims



**ELK3653 - 3" ROUND SLEEK REGRESSED EYEBALL**



360° Rotation - 30° Tilt

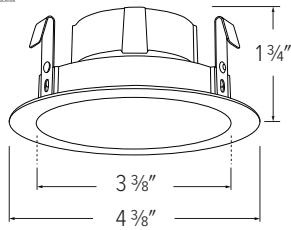


**W** (All White)

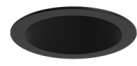


**BB** (All Black)

**ELK3663 - 3" ROUND SLEEK REFLECTOR**

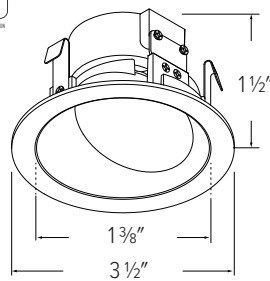


**W** (All White)



**BB** (All Black)

**ELK3683 - 3" ROUND SLEEK LENSED WALL WASH REFLECTOR**

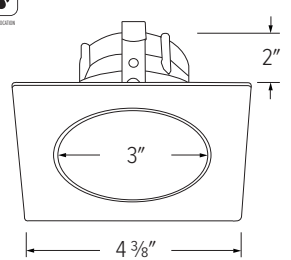


**W** (All White)



**BB** (All Black)

**ELK3318 - 3" SQUARE DEEP REFLECTOR**



**W** (All White)



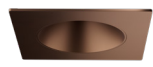
**B** (Black/White)



**BB** (All Black)



**C** (Chrome/White)

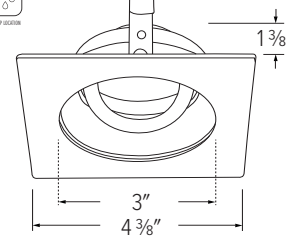


**BZ** (All Bronze)



**H** (Haze/White)

**ELK3329 - 3" SQUARE ADJUSTABLE REFLECTOR**



358° Rotation - 15° - 30° Tilt



**W** (All White)



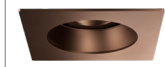
**B** (Black/White)



**BB** (All Black)



**C** (Chrome/White)

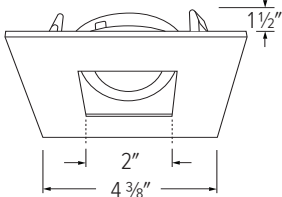


**BZ** (All Bronze)



**H** (Haze/White)

**ELK3327 - 3" SQUARE ADJUSTABLE PINHOLE**



358° Rotation - 15° - 30° Tilt



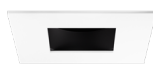
**W** (All White)



**BZ** (All Bronze)

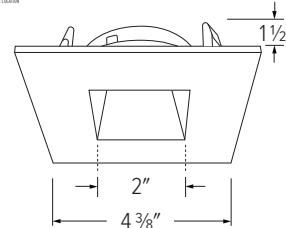


**BB** (All Black)



**B** (Black/White)

**ELK3341 - 3" SQUARE REFLECTOR**



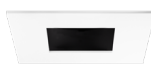
**W** (All White)



**BZ** (All Bronze)



**BB** (All Black)

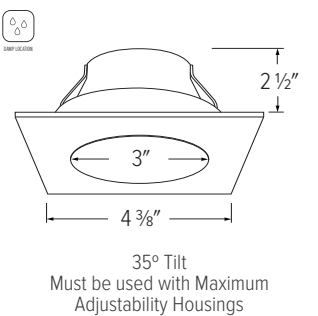


**B** (Black/White)



PRODUCT DIMENSIONS

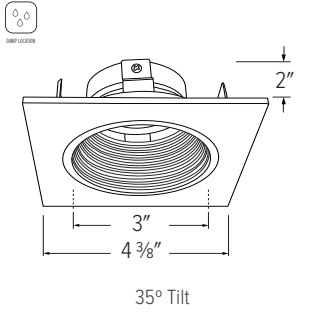
KOTO™ TRIMS



**ELK3322 - 3" ADJ. REFLECTOR WALL WASH**

**W** (All White)

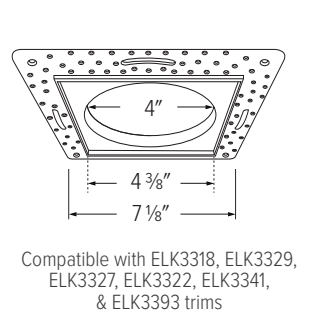
35° Tilt  
Must be used with Maximum Adjustability Housings



**ELK3393 - 3" SQUARE ADJUSTABLE BAFFLE**

**W** (All White)

35° Tilt



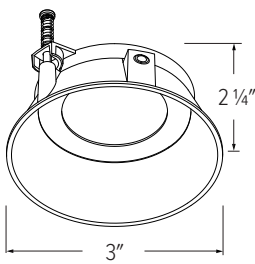
**EL3FMS - 3" FLUSH MOUNT SPACKLE FRAME**

Compatible with ELK3318, ELK3329,  
ELK3327, ELK3322, ELK3341,  
& ELK3393 trims

PRODUCT DIMENSIONS

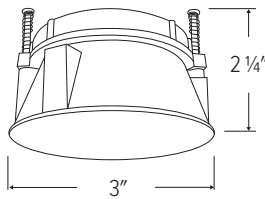
KOTO™ TRIMLESS

ELK308 - 3" ROUND TRIMLESS REFLECTOR



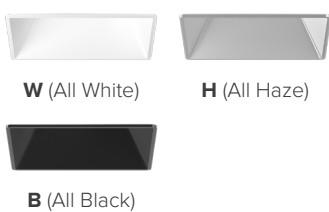
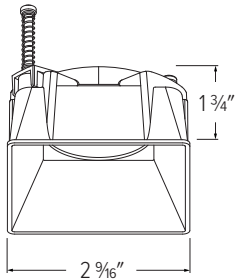
Requires EL3SFR or EL3WCR  
(Sold Separately)

ELK315 - 3" ROUND ADJUSTABLE TRIMLESS REFLECTOR



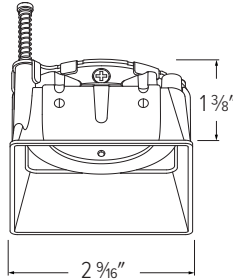
Requires EL3SFR or EL3WCR  
(Sold Separately)

ELK370 - 3" SQUARE TRIMLESS REFLECTOR



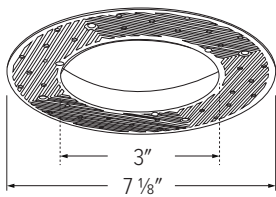
Requires EL03SFS (Sold Separately)

ELK381 - 3" SQUARE ADJUSTABLE TRIMLESS REFLECTOR



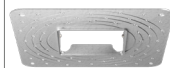
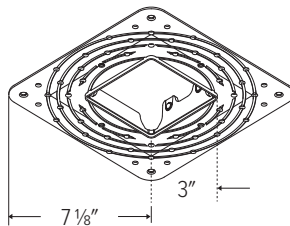
35° Tilt  
Requires EL03SFS (Sold Separately)

EL3SFR - 3" ROUND TRIMLESS SPACKLE FRAME



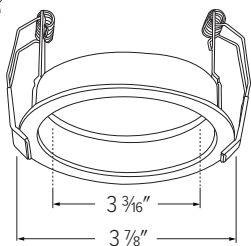
For use with ELK308 & ELK315

EL03SFS - 3" SQUARE TRIMLESS SPACKLE FRAME



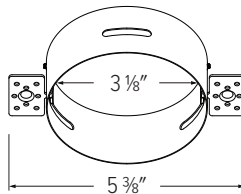
For use with ELK370 & ELK381

EL3WCRW - 3" ROUND KNIFE EDGE WOOD CEILING ADAPTOR



For use with ELK308 & ELK315  
Compatible with ceiling up to 2" thick

EL3WCARD - 3" ROUND TRIMLESS WOOD CEILING RING



For use with ELK308 & ELK315

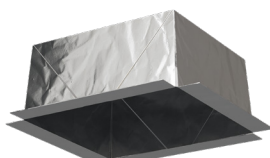
## ACCESSORIES

### LENS & OPTICS (field changeable)

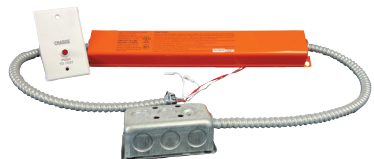
| FIELD CHANGEABLE LENS                                                                  |                                                                                   | HEX LOUVER                                                                        | LINEAR LENS                                                                         | SPREAD LENS                                                                         |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|       |  |  |  |  |
| <b>EP731C</b> (18°) / <b>EP732C</b> (25°)<br><b>EP733C</b> (38°) / <b>EP734C</b> (60°) |                                                                                   | <b>L45</b> (Black) / <b>L57</b> (White)<br>For a better glare shield              | <b>L46</b><br>For a wide rectangular illumination pattern                           | <b>L47</b><br>For a symmetrical broadening of light beams                           |

| FROSTED DIFFUSER                                                                  | COLOR SHIFTERS                                                                    | SINGLE ASYMMETRIC LENS                                                            | DOUBLE ASYMMETRIC LENS                                                              | SNOOTS                                                                              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>L49</b> For a softer light                                                     | <b>L51</b> (Color temp. reducer)<br><b>L52</b> (Blue) / <b>L53</b> (Pink)         | <b>L54</b><br>For elliptical illumination pattern                                 | <b>L55</b><br>For elliptical illumination pattern                                   | <b>L50W</b> (White) / <b>L50B</b> (Black)<br>Reduces glare and light spill          |

### FIRE RATED PRODUCTS

| 1-HOUR FIRE ENCLOSURE FOR RECESSED FIXTURES                                                                                                                                                                                                                                                                                                  | MICA ADHESIVE FIRE TAPE FOR FIRE ENCLOSURE                                                                                                                                                                                        | 2-HOUR FIRE COVER FOR RECESSED FIXTURES                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                           |                                                                                                                                                |                                                                                                                                                                               |
| <b>FIREENCL</b> Standard - 9" H x 20 3/8" L x 14 3/8" W<br><b>FIREENCL-S</b> Shallow (-S) - 7 1/4" H x 16" L x 14 3/8" W<br><br>Provides fire barrier around recessed lights. ETL approved 1-hour fire rating. Meets UL 263, ASTM E119 Specifications. To be used with Mica Tape to seal the power feeding point. (FIRETAPE sold separately) | <b>FIRETAPE</b> 3/4" W x 16' L<br><br>Fire proof mica adhesive tape helps seal the power feeding point on Fire Enclosure. Offers outstanding high temperature and flame resistance, and provides excellent electrical insulation. | <b>FIRECVR</b> 9 3/4" H x 17" O.D. x 13" I.D.<br><br>Made of heat activated intumescent material. UL approved for most ceiling types: sheetrock drywall, gypsum & acoustical tiles. UL Rated enclosure stops flame spread and heat transmission for up to 2 hours. |

### EMERGENCY BATTERY BACKUP

| EMERGENCY BATTERY BACKUP                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                            |
| <b>KEM-ERT</b><br><br>90 minutes of emergency operation.<br>Input: 100-277VAC, 50/60Hz., 25W Max<br>Output: 170VDC, 25W<br>Charging time: 36 hours<br>cUL listed - Suitable for damp location |

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## TECHNICAL DETAILS

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**Optics:** PC lens diffuses light evenly throughout while reducing glare with LED COB technology.

**Construction (Light Engine):** Diecast aluminum body with heat fins allow for efficient cooling.

**Installation (Light Engine):** Twist-on design for toolless trim installation, for use with Koto™ trims only.  
Can be use in 2", 3", 4" & 6" Architectural Koto™ Housings only.

**Hanger Bars:** Pre-installed hanger bars with True Nail easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-bars. Spans up 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.

**LED Technology:** Extremely accurate Color Rendering Index (CRI) of 95+. Lumen Maintainece of 50,000 hours L70 Life based on LM80 standardized test results. Superior Thermal Management by utilizing integrated heat sink. Instant On to Full Brightness. No LED pixilation.

**Electrical:** Drivers are rated for 120V or 120/277V input. High Efficiency driver with a power factor >0.95.

**Dimming:** Triac/ELV dimming (5%) or Triac/ELV/0-10V dimming (1%)

**Sunset:** Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology be sure to order an item with "Sunset (SDD)" in the Color Temperature (CCT) attribute.

**Emergency Battery Pack:** Optional 25W MAX. 90 minute battery backup for 3" accessible from below for single wall housings, access from above required for double wall housings.

**Listings:** UL & cUL Listed for Damp Location with Damp Location trims and Wet Location with Wet Location trims. RoHS Compliant. ENERGY STAR® Compliant. Title 24 JA8-2022-E Compliant.

**Warranty:** ELCO Products are built to last with a 5-year Limited warranty.

## DIMMER COMPATIBILITY CHART

### FOR REFERENCE ONLY

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| MANUFACTURER                                                                                                                                                                                      | PRODUCT                                                                                              | PART NUMBER     | DIMMED LIGHT OUTPUT RANGE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------|---------------------------|
| <b>Triac/ELV Type Dimmers - 120V Only for E2LK35, E2LK42, E2LK95, E3LK77, E3LK54, E3LK85, E3LK66, ELK73FICA, E4LK99, E4LK48, E4LK79, E4LK88, E4JB85, ELK94FICA, E6LK44, E6LK57, E6LK38 Series</b> |                                                                                                      |                 |                           |
| Lutron                                                                                                                                                                                            | 120V AC, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                               | RRD-6CL         | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 150W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way,                                 | DVCL-153P       | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                             | TGCL-153P       | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application                 | DVELV-303P      | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application                         | TG-600P         | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way                            | CT103P          | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location                                | MAELV600        | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location                                | FAELV500        | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, Slide-to-Off Dimmer                            | S-600P          | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                          | SCL-153P        | 1% - 100%                 |
|                                                                                                                                                                                                   | Caséta® Wireless Dimmer                                                                              | PD-6WCL         | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, Low Voltage Load Type, 150W Single Pole                                                | DVLV-600P       | 5% - 100%                 |
|                                                                                                                                                                                                   | 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential and Commercial Application | DV-603P         | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application    | MA-PRO          | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way,                         | MACL-153M       | 1% - 100%                 |
| Leviton                                                                                                                                                                                           | 120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way                          | IPE04           | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way                        | 6673-10W        | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way                                      | VP106           | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way                         | 6161            | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC, 150W LED/CFL or 600W Incandescent, Single Pole, 3-Way                                       | 6674            | 1% - 100%                 |
| Eaton                                                                                                                                                                                             | 120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way                           | TAL06P1-C1      | 1% - 100%                 |
| Cooper                                                                                                                                                                                            | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                          | SLC03P / DAL06P | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent, Single Pole, 3-Way                                  | DLC03P          | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way,                                         | RI061-VW-K2     | 1% - 100%                 |
|                                                                                                                                                                                                   | 120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way                                 | AAL06A-C2       | 1% - 100%                 |
| Lightolier                                                                                                                                                                                        | 120V, 260W Incandescent/Halogen, Single Pole, 3-Way                                                  | ZP260QEW        | 1% - 100%                 |
| <b>0-10V Type Dimmers - 120/277V</b>                                                                                                                                                              |                                                                                                      |                 |                           |
| Lutron                                                                                                                                                                                            | 120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way                                               | NFTV            | 1% - 100%                 |
|                                                                                                                                                                                                   | 120/277V AC, 0-10V, Single Pole, 3-Way, Commercial and Residential, Indoor Application               | DVSTV           | 1% - 100%                 |
|                                                                                                                                                                                                   | 120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application                   | DVTV            | 1% - 100%                 |
| Leviton                                                                                                                                                                                           | 120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way                                          | IP710-DL        | 1% - 100%                 |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



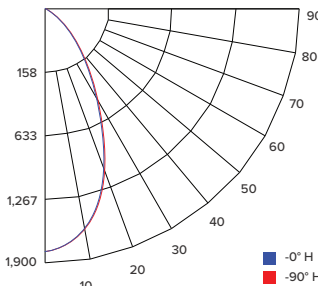
## DIMMER COMPATIBILITY CHART

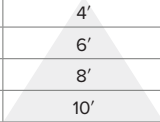
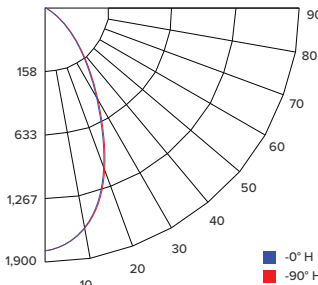
### FOR REFERENCE ONLY

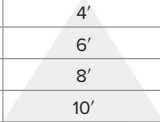
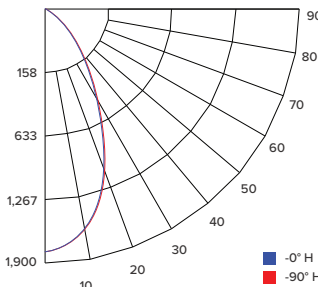
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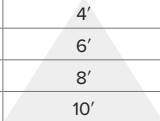
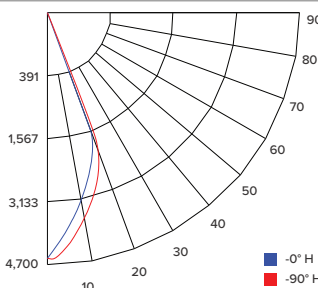
| MANUFACTURER                                                                                                                                                                                    | PRODUCT                                                                                                                                                                                | PART NUMBER             | DIMMED LIGHT OUTPUT RANGE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|
| <b>120V - Triac/ELV Dimmers for E2LK34, E2LK41, E2LK94, E2LK57, E3LK76, E3LK53, E3LK84, E3LK65, E4LK98, E4LK47, E4LK78, E4LK87, E4JB85, E6LK43, E6LK56, E6LK37, ELK72FICA, ELK93FICA Series</b> |                                                                                                                                                                                        |                         |                           |
| Cooper                                                                                                                                                                                          | Decorator Dimmer, 120V 60Hz, 300W LED and CFL, 600W Incandescent, Single Pole, 3-Way, Polycarbonated Housing                                                                           | DLC03P                  | 10% - 100%                |
| Leviton                                                                                                                                                                                         | 120V AC 60Hz, 300W Electronic Low Voltage, Single Pole, 3-Way,                                                                                                                         | 1A1505 / 1C1605         | 10% - 100%                |
|                                                                                                                                                                                                 | 120V AC 60Hz, 600W for LED and CFL, 600W for Incandescent, Single Pole, 3-Way, Polycarbonated Housing                                                                                  | 6631 / 6633             | 5% - 100%                 |
| Lutron                                                                                                                                                                                          | Skylark Model, 120V AC 60Hz, 600W Incandescent/Halogen Load Type, Single Pole, 3-Way, Commercial/Residential, Indoor Application                                                       | CT-603PG<br>CT-600PR    | 10% - 100%                |
|                                                                                                                                                                                                 | Diva Model, 120V 60Hz, 600W Incandescent/Halogen Load Type, Single Pole, 3-Way, Residential Grade Application                                                                          | DV-600PR<br>DV603PG     | 10% - 100%                |
|                                                                                                                                                                                                 | Diva Model, 120V AC 60Hz, 600W Incandescent/Halogen Load Type, Single Pole, 3-Way, Commercial/Residential                                                                              | DVW-603PGH<br>DVCL-153P | 10% - 100%                |
|                                                                                                                                                                                                 | Maestro Model, 120V AC 60Hz, 150W for LED and CFL, 600W for Incandescent/Halogen Load Rating, Single Pole, 3-Way, Multi-Location Operation, Commercial/Residential, Indoor Application | MACL-153M<br>TGCL-153P  | 10% - 100%                |
|                                                                                                                                                                                                 | Skylark Model, 120V AC 60Hz, 300W Incandescent/Halogen Load Type, Single Pole, 3-Way, Commercial/Residential                                                                           | S-600PR<br>S-2-LH       | 5% - 100%                 |

KOTO™ ARCHITECTURAL LED MODULE

| PHOTOMETRIC REPORT                                                                                                 |    | CANDLE POWER SUMMARY |                     | ILLUMINANCE AT A DISTANCE                                                           |                         |               |
|--------------------------------------------------------------------------------------------------------------------|----|----------------------|---------------------|-------------------------------------------------------------------------------------|-------------------------|---------------|
| <div>Product #: ELK2127D</div> <div>Wattage / Lumens: 12.22W / 1169.3 lm</div> <div>Luminaire LPW: 95.7 lm/W</div> |    | Degress Vertical     | 0°                  | Distance to Target Plane                                                            | Center Beam Footcandles | Beam Diameter |
|                                                                                                                    |    | 0                    | 1829                |  | 114                     | 3.0'          |
|                                                                                                                    |    | 5                    | 1737                |                                                                                     | 50.8                    | 4.6'          |
|                                                                                                                    |    | 15                   | 1353                |                                                                                     | 28.6                    | 6.1'          |
|                                                                                                                    |    | 25                   | 683                 |                                                                                     | 18.3                    | 7.6'          |
|                                   | 35 | 328                  | ZONAL LUMEN SUMMARY |                                                                                     |                         |               |
|                                                                                                                    | 45 | 123                  |                     |                                                                                     |                         |               |
|                                                                                                                    | 55 | 39                   | Zone                | Lumens                                                                              | %Luminaire              |               |
|                                                                                                                    | 65 | 17                   | 0-30°               | 834.5                                                                               | 71.2                    |               |
|                                                                                                                    | 75 | 8                    | 0-40°               | 1,022.9                                                                             | 87.3                    |               |
|                                                                                                                    | 85 | 2                    | 0-60°               | 1,140.0                                                                             | 97.3                    |               |
|                                                                                                                    | 90 | 1                    | 0-90°               | 1,164.3                                                                             | 99.4                    |               |

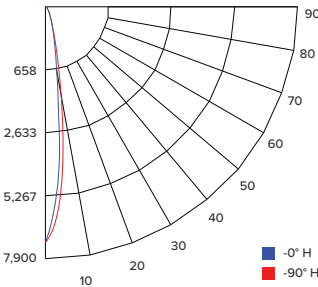
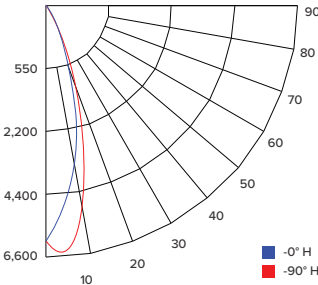
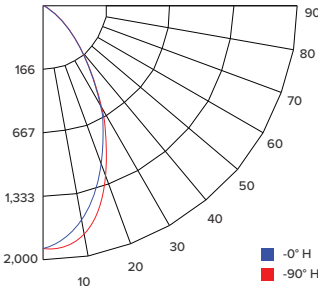
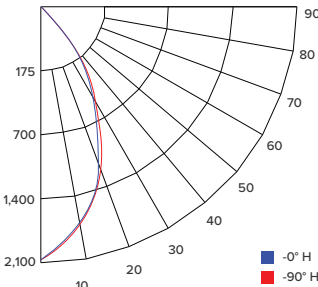
| PHOTOMETRIC REPORT                                                                                                               |    | CANDLE POWER SUMMARY |                     | ILLUMINANCE AT A DISTANCE                                                           |                         |               |
|----------------------------------------------------------------------------------------------------------------------------------|----|----------------------|---------------------|-------------------------------------------------------------------------------------|-------------------------|---------------|
| <div>Product #: ELK2130D-W (E4LK79ICAD)</div> <div>Wattage / Lumens: 17.9W / 1584.3 lm</div> <div>Luminaire LPW: 88.5 lm/W</div> |    | Degress Vertical     | 0°                  | Distance to Target Plane                                                            | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                  |    | 0                    | 1880                |  | 118                     | 3.9'          |
|                                                                                                                                  |    | 5                    | 1753                |                                                                                     | 52.2                    | 5.9'          |
|                                                                                                                                  |    | 15                   | 1396                |                                                                                     | 29.4                    | 7.9'          |
|                                                                                                                                  |    | 25                   | 892                 |                                                                                     | 18.8                    | 9.8'          |
|                                                | 35 | 399                  | ZONAL LUMEN SUMMARY |                                                                                     |                         |               |
|                                                                                                                                  | 45 | 170                  |                     |                                                                                     |                         |               |
|                                                                                                                                  | 55 | 50                   | Zone                | Lumens                                                                              | %Luminaire              |               |
|                                                                                                                                  | 65 | 21                   | 0-30°               | 1,042.6                                                                             | 65.8                    |               |
|                                                                                                                                  | 75 | 11                   | 0-40°               | 1,346.3                                                                             | 85                      |               |
|                                                                                                                                  | 85 | 6                    | 0-60°               | 1,545.5                                                                             | 97.6                    |               |
|                                                                                                                                  | 90 | 5                    | 0-90°               | 1,584.0                                                                             | 100                     |               |

| PHOTOMETRIC REPORT                                                                                              |    | CANDLE POWER SUMMARY |                     | ILLUMINANCE AT A DISTANCE                                                             |                         |               |
|-----------------------------------------------------------------------------------------------------------------|----|----------------------|---------------------|---------------------------------------------------------------------------------------|-------------------------|---------------|
| <div>Product #: ELK2135D</div> <div>Wattage / Lumens: 12.22W / 1271 lm</div> <div>Luminaire LPW: 104 lm/W</div> |    | Degress Vertical     | 0°                  | Distance to Target Plane                                                              | Center Beam Footcandles | Beam Diameter |
|                                                                                                                 |    | 0                    | 1976                |  | 124                     | 3.0'          |
|                                                                                                                 |    | 5                    | 1877                |                                                                                       | 54.9                    | 4.6'          |
|                                                                                                                 |    | 15                   | 1462                |                                                                                       | 30.9                    | 6.1'          |
|                                                                                                                 |    | 25                   | 738                 |                                                                                       | 19.8                    | 7.6'          |
|                              | 35 | 355                  | ZONAL LUMEN SUMMARY |                                                                                       |                         |               |
|                                                                                                                 | 45 | 133                  |                     |                                                                                       |                         |               |
|                                                                                                                 | 55 | 43                   | Zone                | Lumens                                                                                | %Luminaire              |               |
|                                                                                                                 | 65 | 18                   | 0-30°               | 901.7                                                                                 | 71.2                    |               |
|                                                                                                                 | 75 | 9                    | 0-40°               | 1,105.3                                                                               | 87.3                    |               |
|                                                                                                                 | 85 | 2                    | 0-60°               | 1,231.8                                                                               | 97.3                    |               |
|                                                                                                                 | 90 | 1                    | 0-90°               | 1,258.1                                                                               | 99.4                    |               |

| PHOTOMETRIC REPORT                                                                                                               |    | CANDLE POWER SUMMARY |                     | ILLUMINANCE AT A DISTANCE                                                             |                         |               |
|----------------------------------------------------------------------------------------------------------------------------------|----|----------------------|---------------------|---------------------------------------------------------------------------------------|-------------------------|---------------|
| <div>Product #: ELK2135D (E4LK79ICAD)</div> <div>Wattage / Lumens: 15.95W / 1683.5 lm</div> <div>Luminaire LPW: 105.5 lm/W</div> |    | Degress Vertical     | 0°                  | Distance to Target Plane                                                              | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                  |    | 0                    | 4560                |  | 285                     | 2.4'          |
|                                                                                                                                  |    | 5                    | 4053                |                                                                                       | 127                     | 3.5'          |
|                                                                                                                                  |    | 15                   | 2279                |                                                                                       | 71.3                    | 4.7'          |
|                                                                                                                                  |    | 25                   | 633                 |                                                                                       | 45.6                    | 5.9'          |
|                                               | 35 | 118                  | ZONAL LUMEN SUMMARY |                                                                                       |                         |               |
|                                                                                                                                  | 45 | 68                   |                     |                                                                                       |                         |               |
|                                                                                                                                  | 55 | 47                   | Zone                | Lumens                                                                                | %Luminaire              |               |
|                                                                                                                                  | 65 | 26                   | 0-30°               | 1,469.0                                                                               | 87.3                    |               |
|                                                                                                                                  | 75 | 12                   | 0-40°               | 1,563.6                                                                               | 92.9                    |               |
|                                                                                                                                  | 85 | 5                    | 0-60°               | 1,645.0                                                                               | 97.8                    |               |
|                                                                                                                                  | 90 | 0                    | 0-90°               | 1,682.4                                                                               | 100                     |               |

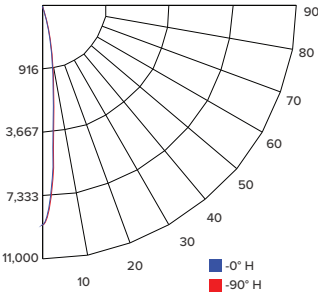
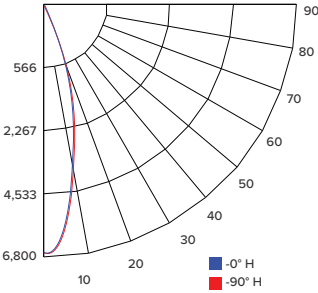
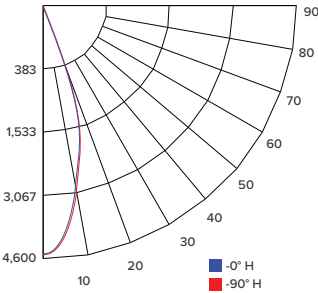
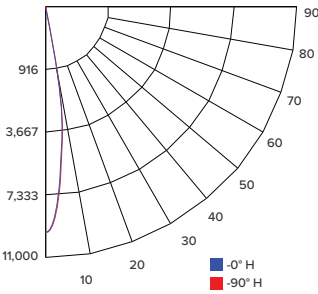


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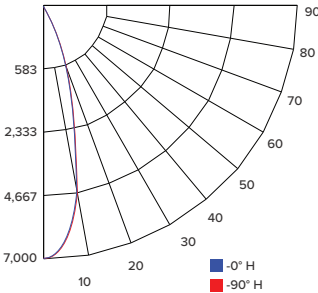
| PHOTOMETRIC REPORT                                                                                                                                                                                                             |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|------|---------------------------|-------------------------|---------------|
| <div>Product #: ELK2135D-S (E4LK79ICAD)</div> <div>Wattage / Lumens: 18.8W / 1466.8 lm</div> <div>Luminaire LPW: 78 lm/W</div> <div></div>    |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                |  | 0                    | 7355 | 4'                        | 294                     | 1.8'          |
|                                                                                                                                                                                                                                |  | 5                    | 4640 | 6'                        | 131                     | 2.6'          |
|                                                                                                                                                                                                                                |  | 15                   | 976  | 8'                        | 73.5                    | 3.5'          |
|                                                                                                                                                                                                                                |  | 25                   | 304  | 10'                       | 47.1                    | 4.4'          |
|                                                                                                                                                                                                                                |  | 35                   | 119  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                |  | 45                   | 55   |                           |                         |               |
|                                                                                                                                                                                                                                |  | 55                   | 27   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                |  | 65                   | 10   | 0-30°                     | 1,258.7                 | 86            |
|                                                                                                                                                                                                                                |  | 75                   | 0    | 0-40°                     | 1,358.0                 | 92.8          |
|                                                                                                                                                                                                                                |  | 85                   | 0    | 0-60°                     | 1,442.4                 | 98.5          |
|                                                                                                                                                                                                                                |  | 90                   | 0    | 0-90°                     | 1,458.6                 | 99.7          |
| PHOTOMETRIC REPORT                                                                                                                                                                                                             |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
| <div>Product #: ELK2135D-N (E4LK79ICAD)</div> <div>Wattage / Lumens: 18.9W / 1585.1 lm</div> <div>Luminaire LPW: 83.8 lm/W</div> <div></div> |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                |  | 0                    | 6310 | 4'                        | 252                     | 2.0'          |
|                                                                                                                                                                                                                                |  | 5                    | 4684 | 6'                        | 112                     | 3.0'          |
|                                                                                                                                                                                                                                |  | 15                   | 1771 | 8'                        | 63.1                    | 4.0'          |
|                                                                                                                                                                                                                                |  | 25                   | 531  | 10'                       | 40.4                    | 5.0'          |
|                                                                                                                                                                                                                                |  | 35                   | 114  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                |  | 45                   | 29   |                           |                         |               |
|                                                                                                                                                                                                                                |  | 55                   | 18   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                |  | 65                   | 11   | 0-30°                     | 1,415.7                 | 89.2          |
|                                                                                                                                                                                                                                |  | 75                   | 0    | 0-40°                     | 1,524.4                 | 96.1          |
|                                                                                                                                                                                                                                |  | 85                   | 8    | 0-60°                     | 1,573.5                 | 99.5          |
|                                                                                                                                                                                                                                |  | 90                   | 6    | 0-90°                     | 1,586.8                 | 100           |
| PHOTOMETRIC REPORT                                                                                                                                                                                                             |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
| <div>Product #: ELK2135D -W (E4LK79ICAD)</div> <div>Wattage / Lumens: 17.9W / 1647.3 lm</div> <div>Luminaire LPW: 92 lm/W</div> <div></div> |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                |  | 0                    | 1955 | 4'                        | 122                     | 3.9'          |
|                                                                                                                                                                                                                                |  | 5                    | 1824 | 6'                        | 54.3                    | 5.9'          |
|                                                                                                                                                                                                                                |  | 15                   | 1452 | 8'                        | 30.6                    | 7.9'          |
|                                                                                                                                                                                                                                |  | 25                   | 928  | 10'                       | 19.6                    | 9.8'          |
|                                                                                                                                                                                                                                |  | 35                   | 415  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                |  | 45                   | 177  |                           |                         |               |
|                                                                                                                                                                                                                                |  | 55                   | 52   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                |  | 65                   | 21   | 0-30°                     | 1,084.3                 | 65.8          |
|                                                                                                                                                                                                                                |  | 75                   | 11   | 0-40°                     | 1,400.1                 | 85            |
|                                                                                                                                                                                                                                |  | 85                   | 6    | 0-60°                     | 1,607.3                 | 97.6          |
|                                                                                                                                                                                                                                |  | 90                   | 5    | 0-90°                     | 1,647.4                 | 100           |
| PHOTOMETRIC REPORT                                                                                                                                                                                                             |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
| <div>Product #: ELK2140D</div> <div>Wattage / Lumens: 12.22W / 1322 lm</div> <div>Luminaire LPW: 108.2 lm/W</div> <div></div>               |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                |  | 0                    | 2051 | 4'                        | 128                     | 3.0'          |
|                                                                                                                                                                                                                                |  | 5                    | 1948 | 6'                        | 57.0                    | 4.6'          |
|                                                                                                                                                                                                                                |  | 15                   | 1518 | 8'                        | 32.1                    | 6.1'          |
|                                                                                                                                                                                                                                |  | 25                   | 766  | 10'                       | 20.5                    | 7.6'          |
|                                                                                                                                                                                                                                |  | 35                   | 368  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                |  | 45                   | 138  |                           |                         |               |
|                                                                                                                                                                                                                                |  | 55                   | 44   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                |  | 65                   | 19   | 0-30°                     | 935.9                   | 71.2          |
|                                                                                                                                                                                                                                |  | 75                   | 9    | 0-40°                     | 1,147.2                 | 87.3          |
|                                                                                                                                                                                                                                |  | 85                   | 2    | 0-60°                     | 1,278.5                 | 97.3          |
|                                                                                                                                                                                                                                |  | 90                   | 1    | 0-90°                     | 1,305.8                 | 99.4          |



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| PHOTOMETRIC REPORT                                                                                                                                                                                                              |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|------|---------------------------|-------------------------|---------------|
| <div>Product #: ELK2430D-S (E3LK84ICA)</div> <div>Wattage / Lumens: 18.7 W / 1754.1 lm</div> <div>Luminaire LPW: 93.8 lm/W</div> <div></div>   |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                 |  | 0                    | 9659 | 4'                        | 604                     | 1.4'          |
|                                                                                                                                                                                                                                 |  | 5                    | 6457 | 6'                        | 268                     | 2.1'          |
|                                                                                                                                                                                                                                 |  | 15                   | 1223 | 8'                        | 151                     | 2.8'          |
|                                                                                                                                                                                                                                 |  | 25                   | 353  | 10'                       | 96.6                    | 3.4'          |
|                                                                                                                                                                                                                                 |  | 35                   | 153  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                 |  | 45                   | 80   |                           |                         |               |
|                                                                                                                                                                                                                                 |  | 55                   | 49   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                 |  | 65                   | 27   | 0-30°                     | 1,442.4                 | 82.2          |
|                                                                                                                                                                                                                                 |  | 75                   | 12   | 0-40°                     | 1,559.7                 | 88.9          |
|                                                                                                                                                                                                                                 |  | 85                   | 0    | 0-60°                     | 1,680.9                 | 95.8          |
|                                                                                                                                                                                                                                 |  | 90                   | 0    | 0-90°                     | 1,729.5                 | 98.5          |
| PHOTOMETRIC REPORT                                                                                                                                                                                                              |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
| <div>Product #: ELK2430D-N (E3LK84ICA)</div> <div>Wattage / Lumens: 18.9 W / 1785.6 lm</div> <div>Luminaire LPW: 94.4 lm/W</div> <div></div>  |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                 |  | 0                    | 6675 | 4'                        | 417                     | 1.8'          |
|                                                                                                                                                                                                                                 |  | 5                    | 5912 | 6'                        | 185                     | 2.8'          |
|                                                                                                                                                                                                                                 |  | 15                   | 2693 | 8'                        | 104                     | 3.7'          |
|                                                                                                                                                                                                                                 |  | 25                   | 687  | 10'                       | 66.7                    | 4.6'          |
|                                                                                                                                                                                                                                 |  | 35                   | 146  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                 |  | 45                   | 61   |                           |                         |               |
|                                                                                                                                                                                                                                 |  | 55                   | 47   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                 |  | 65                   | 32   | 0-30°                     | 1,561.9                 | 87.5          |
|                                                                                                                                                                                                                                 |  | 75                   | 16   | 0-40°                     | 1,659.9                 | 93            |
|                                                                                                                                                                                                                                 |  | 85                   | 5    | 0-60°                     | 1,739.2                 | 97.5          |
|                                                                                                                                                                                                                                 |  | 90                   | 0    | 0-90°                     | 1,784.1                 | 100           |
| PHOTOMETRIC REPORT                                                                                                                                                                                                              |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
| <div>Product #: ELK2430D-N (E3LK84ICA)</div> <div>Wattage / Lumens: 18.9 W / 1785.6 lm</div> <div>Luminaire LPW: 94.4 lm/W</div> <div></div> |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                 |  | 0                    | 4517 | 4'                        | 181                     | 3.2'          |
|                                                                                                                                                                                                                                 |  | 5                    | 4217 | 6'                        | 80.3                    | 4.7'          |
|                                                                                                                                                                                                                                 |  | 15                   | 2680 | 8'                        | 45.2                    | 6.3'          |
|                                                                                                                                                                                                                                 |  | 25                   | 883  | 10'                       | 28.9                    | 7.9'          |
|                                                                                                                                                                                                                                 |  | 35                   | 181  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                 |  | 45                   | 90   |                           |                         |               |
|                                                                                                                                                                                                                                 |  | 55                   | 56   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                 |  | 65                   | 32   | 0-30°                     | 1,575.0                 | 84.4          |
|                                                                                                                                                                                                                                 |  | 75                   | 15   | 0-40°                     | 1,707.2                 | 91.5          |
|                                                                                                                                                                                                                                 |  | 85                   | 6    | 0-60°                     | 1,820.7                 | 97.6          |
|                                                                                                                                                                                                                                 |  | 90                   | 0    | 0-90°                     | 1,865.9                 | 100           |
| PHOTOMETRIC REPORT                                                                                                                                                                                                              |  | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
| <div>Product #: ELK2435D-S (E4LK79ICAD)</div> <div>Wattage / Lumens: 18.7 W / 1795.2 lm</div> <div>Luminaire LPW: 96 lm/W</div> <div></div>  |  | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                                                                                                                                                 |  | 0                    | 9865 | 4'                        | 395                     | 1.6'          |
|                                                                                                                                                                                                                                 |  | 5                    | 6595 | 6'                        | 175                     | 2.3'          |
|                                                                                                                                                                                                                                 |  | 15                   | 1249 | 8'                        | 98.7                    | 3.1'          |
|                                                                                                                                                                                                                                 |  | 25                   | 361  | 10'                       | 63.1                    | 3.9'          |
|                                                                                                                                                                                                                                 |  | 35                   | 156  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                                                                                                                                                 |  | 45                   | 82   |                           |                         |               |
|                                                                                                                                                                                                                                 |  | 55                   | 50   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                                                                                                                                                 |  | 65                   | 27   | 0-30°                     | 1,473.2                 | 82.2          |
|                                                                                                                                                                                                                                 |  | 75                   | 12   | 0-40°                     | 1,593.0                 | 88.9          |
|                                                                                                                                                                                                                                 |  | 85                   | 0    | 0-60°                     | 1,716.8                 | 95.8          |
|                                                                                                                                                                                                                                 |  | 90                   | 0    | 0-90°                     | 1,766.4                 | 98.5          |

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| PHOTOMETRIC REPORT                                                                                   | CANDLE POWER SUMMARY |      | ILLUMINANCE AT A DISTANCE |                         |               |
|------------------------------------------------------------------------------------------------------|----------------------|------|---------------------------|-------------------------|---------------|
| Product #: ELK2435D-N (E4LK79ICAD)<br>Wattage / Lumens: 18.9 W / 1858 lm<br>Luminaire LPW: 98.3 lm/W | Degress Vertical     | 0°   | Distance to Target Plane  | Center Beam Footcandles | Beam Diameter |
|                                                                                                      | 0                    | 6942 | 4'                        | 278                     | 2.3'          |
|                                                                                                      | 5                    | 6148 | 6'                        | 123                     | 3.4'          |
|                                                                                                      | 15                   | 2800 | 8'                        | 69.4                    | 4.6'          |
|                                                                                                      | 25                   | 715  | 10'                       | 44.4                    | 5.7'          |
|                     | 35                   | 152  | ZONAL LUMEN SUMMARY       |                         |               |
|                                                                                                      | 45                   | 64   |                           |                         |               |
|                                                                                                      | 55                   | 48   | Zone                      | Lumens                  | %Luminaire    |
|                                                                                                      | 65                   | 33   | 0-30°                     | 1,624.3                 | 87.5          |
|                                                                                                      | 75                   | 17   | 0-40°                     | 1,726.3                 | 93            |
|                                                                                                      | 85                   | 5    | 0-60°                     | 1,808.7                 | 97.5          |
|                                                                                                      | 90                   | 0    | 0-90°                     | 1,855.4                 | 100           |
|                                                                                                      |                      |      |                           |                         |               |
|                                                                                                      |                      |      |                           |                         |               |
|                                                                                                      |                      |      |                           |                         |               |