

Koto™ Architectural LED Light Engine

Works with 2", 3", 4" & 6" Koto™ Architectural Recessed Housings and Koto™ Trims



Features

- Light engine used with Koto™ Architectural Housings
- See Koto™ Architectural housings for lumen output options. Final lumen output is determined by housing.
- Driver on housing extends lifespan and allows for more dimming and EM options
- Standard 38° Lens installed, 25° and 60° lens included with each module - Optional Lens: 18° (EP731C)
- Optional: Louver (L45), Linear Lens (L46), Spread Lens (L47), Clear Lens (L48), Frosted Lens (L49), Snoot (L50), Color Shifter (L51)
- Works in 2", 3", 4" & 6" ELCO Housings with Koto™ twist-on trims
- Excellent color rendering 95+ CRI
- Sunset option dims from 3000K to 1800K
- ENERGY STAR Certified
- Title 24 JA8-2019 Compliant
- Life span of 50,000 hours L70
- Covered by U.S. PATENTS and Patents Pending

Specifications

Lumens	1000 MAX. lm - 970 MAX. lm
Color Temp.	2700K - Sunset K
Lamp Type	LED
Beam Angle	38°
CRI	95
Wet Location	UL Listed w/Wet Location Trims
Damp Location	UL Listed

Dimensions



Technical Details

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

Construction: Diecast aluminum body with heat fins allow for efficient cooling.

Compatible Housings: Koto™ Module is compatible with Architectural Housings: 120/277V 0-10V/Triac/ELV or 120V Triac/ELV with optional Emergency Battery Backup.

• E2LK57RICAD, E3LK65ICA, E3LK66ICAD, E3LK65RICA, E3LK66RICAD, E4LK87ICA, E4LK88ICAD, E4LK87RICA, E4LK88RICAD, ELK72FICA, ELK73FICAD (10W, 250mA) *ELK19 Delivered Lumens:* 2700K: 750 lm, 3000K: 770 lm, 3500K: 790 lm, 4000K: 810 lm, Sunset: 750 lm *ELK21 Delivered Lumens:* 2700K: 890 lm, 3000K: 930 lm, 3500K: 990 lm, 4000K: 1020 lm *ELK24 Delivered Lumens:* 2700K: 1016 lm, 3000K: 1060 lm, 3500K: 1100 lm, 4000K: 1150 lm

• E2LK34ICA, E2LK35ICAD, E3LK76ICA, E3LK77ICAD, E4LK98ICA, E4LK99ICAD (15W, 350mA) *ELK19 Delivered Lumens:* 2700K: 970 lm, 3000K: 1000 lm, 3500K: 1030 lm, 4000K: 1050 lm, Sunset: 940 lm *ELK21 Delivered Lumens:* 2700K:1140 lm, 3000K:1200 lm, 3500K: 1270 lm, 4000K: 1390 lm *ELK24 Delivered Lumens:* 2700K: 1390 lm, 3000K: 1450 lm, 3500K: 1510 lm, 4000K: 1570 lm

• E2LK41ICA, E2LK42ICAD, E3LK53ICA, E3LK54ICAD, E4LK47ICA, E4LK48ICAD (17W, 400mA) *ELK21 Delivered Lumens:* 2700K:1220 lm, 3000K:1290 lm, 3500K: 1360 lm, 4000K: 1400 lm *ELK24 Delivered Lumens:* 2700K: 1550 lm, 3000K: 1620 lm, 3500K: 1685 lm, 4000K: 1750 lm

• E2LK94ICA, E2LK95ICAD, E3LK84ICA, E3LK85ICAD, E4LK78ICA, E4LK79ICAD, E6LK56ICA, E6LK57ICAD (19W, 450mA) *ELK21 Delivered Lumens:* 2700K:1360 lm, 3000K:1430 lm, 3500K: 1510 lm, 4000K: 1690 lm *ELK24 Delivered Lumens:* 2700K: 1720 lm, 3000K: 1800 lm, 3500K: 1875 lm, 4000K: 1950 lm

Product Numbers

Item	Lamp type	Lumens	CCT	Beam Angle
ELK1927D	LED	970 MAX. lm	2700K	38°
ELK2127D	LED	1360 MAX. lm	2700K	38°
ELK2427D	LED	1720 MAX. lm	2700K	38°
ELK1930D	LED	1000 MAX. lm	3000K	38°
ELK2130D	LED	1430 MAX. lm	3000K	38°
ELK2430D	LED	1800 MAX. lm	3000K	38°
ELK1935D	LED	1030 MAX. lm	3500K	38°
ELK2135D	LED	1510 MAX. lm	3500K	38°
ELK2435D	LED	1875 MAX. lm	3500K	38°
ELK1940D	LED	1050 MAX. lm	4000K	38°
ELK2140D	LED	1690 MAX. lm	4000K	38°
ELK2440D	LED	1950 MAX. lm	4000K	38°
ELK19SD	LED	940 MAX. lm	Sunset K	38°

Compatible Architectural Housings - LUMEN OUTPUT per module					
Architectural Koto™ LED Module	Standard Housings (10W)	Shallow Housings (15W)	High Lumen Housings (17W)	High Lumen Housings (19W)	2-Hr Fire Rated Housings
	E2LK5 Series, E3LK6 Series, E4LK8 Series, E6LK37 Series*	E2LK3 Series, E3LK7 Series, E4LK9 Series	E2LK4 Series, E3LK5 Series, E4LK4 Series,	E2LK9 Series, E3LK8 Series, E4LK7 Series, E6LK5 Series,	ELK7 Series, ELK9 Series
ELK19 Series	~750 lm	~1000 lm	Not Compatible	Not Compatible	~750 lm
ELK21 Series	~950 lm	~1200 lm	~1500 lm	~1500 lm	~950 lm
ELK24 Series	~1100 lm	~1400 lm	~1750 lm	~1950 lm	~1100 lm

* For ELK21 & ELK24 Series Only

Installation: Twist-lock design for toolless trim installation, for use with Koto™ trims only. Can be use in 2", 3" & 4" Architectural Koto™ Housings only.

LED Technology: Extremely accurate Color Rendering Index (CRI) of 95+. Lumen Maintaince 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.

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" in the Color Temperature (CCT) attribute.

Dimmability: Based on housing used. See Koto™ Architectural Housings for options.

Listings: UL Listed for Damp Locations. UL Listed for Wet Location with Wet location trims. RoHS Compliant. ENERGY STAR® Certified. California Title 24 JA8-2019.

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

Product Number Builder Example: ELK1927D

Koto™ Architectural LED Module

Lumens

Color Temp.

Beam Angle

ELK

19 Up to 1050 lm ¹

21 Up to 1690 lm ¹

24 Up to 1950 lm ¹

27D 2700K

30D 3000K

35D 3500K

40D 4000K

SD Sunset (ELK19 Only) ^{2, 3}

38° ⁴

-S 18°

-N 25°

-W 60°

¹ Lumen output varies based on the architectural Koto housing used

² Available with ELK19 module only

³ Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed

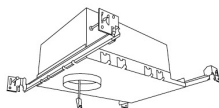
⁴ 38° lens installed. Includes 25° and 60° lens with module.

Compatible Products



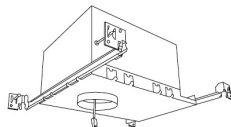
For use with **Koto™** Architectural LED Light Engine

2" Koto™ Architectural Recessed Housings



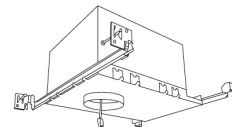
2" Shallow Maximum Adjustability ICA Housing
 1000 lm (14.7W) w/ELK19 Series Module
 1200 lm (14.7W) w/ELK21 Series Module
Shallow New Construction

CAT NO.	SPECIFICATIONS
E2LK34ICA	120V - Triac/ELV
E2LK35ICAD	120/277V - 0-10V/Triac/ELV



2" Maximum Adjustability ICA Housing
 1350 lm (15.7W) w/ELK21 Series Module
Not for use with ELK19 Series Module
New Construction

CAT NO.	SPECIFICATIONS
E2LK41ICA	120V - Triac/ELV
E2LK42ICAD	120/27V - 0-10V/Triac/ELV



2" Maximum Adjustability ICA Housing
 1500 lm (18.9W) w/ELK21 Series Module
Not for use with ELK19 Series Module
High Lumen New Construction

CAT NO.	SPECIFICATIONS
E2LK94ICA	120V - Triac/ELV
E2LK42ICAD	120/27V - 0-10V/Triac/ELV

2" Pex™ Twist-On Trims



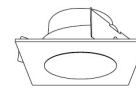
Round Deep Reflector
ELK2818
 Finishes:
 (W, B, H, BB, BZ)



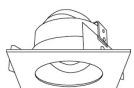
Round Adjustable Reflector
ELK2829
 Finishes:
 (W, B, H, BB, BZ)



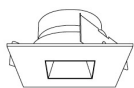
Round Adjustable Pinhole
ELK2827
 Finishes:
 (W, B, BB, BZ)



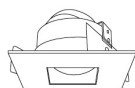
Square Deep Reflector
ELK2518
 Finishes:
 (W, B, BB)



Square Adjustable Reflector
ELK2529
 Finishes:
 (W, B, BB)



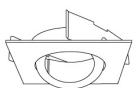
Square Reflector
ELK2541
 Finishes:
 (W, B, BB)



Square Adjustable Pinhole
ELK2527
 Finishes:
 (W, B, BB)



Round Gimbal
ELK2888
 Finishes:
 (W, B, BZ)



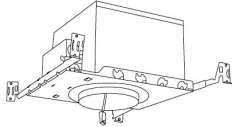
Square Gimbal
ELK2588
 Finishes:
 (W, BZ)

Compatible Products

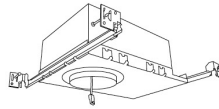


For use with **Koto™** Architectural LED Light Engine

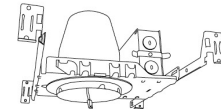
3" Koto™ Architectural Recessed Housings



3" High Lumen Maximum Adjustability ICA Housing
1500 lm (18.9W) w/ELK21 Series Module
Not for use with ELK19 Series Module
New Construction



3" Shallow Maximum Adjustability ICA Housing
850 lm (14.7W) w/ELK19 Series Module
1100 lm (14.7W) w/ELK21 Series Module
New Construction



3" Standard ICA Housing
750 lm (10.5W) w/ELK19 Series Module
950 lm (10.5W) w/ELK21 Series Module
New Construction

CAT NO.	SPECIFICATIONS
E3LK53ICA	1250 lm - 120V - Triac/ELV
E3LK54ICAD	1250 lm - 120/277V - 0-10V/Triac/ELV
E3LK84ICA	1500 lm - 120V - Triac/ELV
E3LK85ICAD	1500 lm - 120/277V - 0-10V/Triac/ELV

CAT NO.	SPECIFICATIONS
E3LK76ICA	120V - Triac/ELV
E3LK77ICAD	120/277V - 0-10V/Triac/ELV

CAT NO.	SPECIFICATIONS
E3LK65ICA	120V - Triac/ELV
E3LK65ICA-EM1	Emergency Battery Back-Up
E3LK66ICAD	120/277V - 0-10V/Triac/ELV
E3LK66ICAD-EM1	Emergency Battery Back-Up



3" Standard ICA Housing
800 lm (10.5W) w/ELK19 Series Module
1000 lm (10.5W) w/ELK21 Series Module
Remodel



2-Hour Fire Rated 3" ICA Housing
750 lm (10.5W) w/ELK19 Series Module
950 lm (10.5W) w/ELK21 Series Module
New Construction

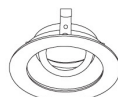
CAT NO.	SPECIFICATIONS
E3LK65RICA	120V - Triac/ELV
E3LK66RICAD	120/277V - 0-10V/Triac/ELV

CAT NO.	SPECIFICATIONS
ELK72FICA	120V - Triac/ELV
ELK73FICAD	120/277V - 0-10V/Triac/ELV

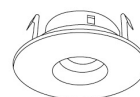
3" Pex™ Twist-On Trims



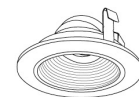
Round Deep Reflector
ELK3618
Finishes:
(W, BB, BZ, B, C, H)



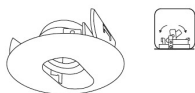
Round Adjustable Gimbal
ELK3629
Finishes:
(W, BB, BZ, B, C, H)



Round Adjustable Pinhole
ELK3627
Finishes:
(B, BB, BZ)



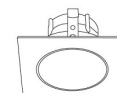
Round Adjustable Baffle
ELK3693
Finishes:
(W)



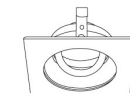
Round Adj. Slot Aperture
ELK3620
Finishes:
(W)



Round Adj. Wall Wash
ELK3622
Finishes:
(W)



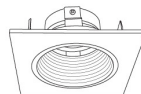
Square Deep Reflector
ELK3318
Finishes:
(W, BB, BZ, B, C, H)



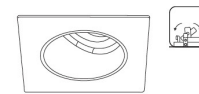
Square Adjustable Gimbal
ELK3329
Finishes:
(W, BB, BZ, B, C, H)



Square Adjustable Pinhole
ELK3327
Finishes:
(B, BB, BZ)



Square Adjustable Baffle
ELK3393
Finishes:
(W)



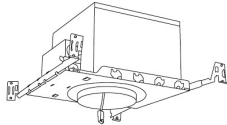
Square Adj. Wall Wash
ELK3322
Finishes:
(W)

Compatible Products



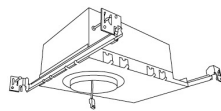
For use with **Koto™ Architectural LED Light Engine**

4" Koto™ Architectural Recessed Housings



4" High Lumen Maximum Adjustability ICA Housing
1500 lm (18.9W) w/ELK21 Series Module
Not for use with ELK19 Series Module
New Construction

CAT NO.	SPECIFICATIONS
E4LK47ICA	1250 lm - 120V - Triac/ELV
E4LK48ICAD	1250 lm - 120/277V - 0-10V/Triac/ELV
E4LK78ICA	1500 lm - 120V - Triac/ELV
E4LK79ICAD	1500 lm - 120/277V - 0-10V/Triac/ELV



4" Shallow Maximum Adjustability ICA Housing
850 lm (14.7W) w/ELK19 Series Module
1100 lm (14.7W) w/ELK21 Series Module
New Construction

CAT NO.	SPECIFICATIONS
E4LK98ICA	120V - Triac/ELV
E4LK99ICAD	120/277V - 0-10V/Triac/ELV



4" Standard ICA Housing
750 lm (11.8W) w/ELK19 Series Module
950 lm (11.8W) w/ELK21 Series Module
New Construction

CAT NO.	SPECIFICATIONS
E4LK87ICA	120V - Triac/ELV
E4LK87ICA-EM1	Emergency Battery Back-Up
E4LK88ICAD	120/277V - 0-10V/Triac/ELV
E4LK88ICAD-EM1	Emergency Battery Back-Up



4" Standard ICA Housing
750 lm (11.8W) w/ELK19 Series Module
950 lm (11.8W) w/ELK21 Series Module
Remodel

CAT NO.	SPECIFICATIONS
E4LK87RICA	120V - Triac/ELV
E4LK88RICAD	120/277V - 0-10V/Triac/ELV



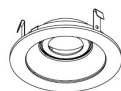
2-Hour Fire Rated 4" ICA Housing
750 lm (11.8W) w/ELK19 Series Module
950 lm (11.8W) w/ELK21 Series Module
New Construction

CAT NO.	SPECIFICATIONS
ELK93FICA	120V - Triac/ELV
ELK94TFICAD	120/277V - 0-10V/Triac/ELV

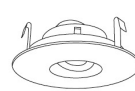
4" Pex™ Round Twist-On Trims



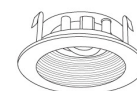
Reflector
ELK4118
Finishes:
(W, BB, BZ, B, C, H)



Adjustable Gimbal
ELK4129
Finishes:
(W, BB, BZ, B, C, H)



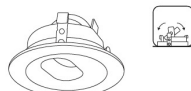
Adjustable Pinhole
ELK4127
Finishes:
(B, BB, BZ)



Adjustable Baffle
ELK4193
Finishes:
(W, BB, B)



Slot Aperture
ELK4130
Finishes:
(W)



Rotatable Slot Aperture
ELK4120
Finishes:
(W)



Adj. Wall Wash
ELK4122
Finishes:
(W)

Compatible Products

For use with **Koto™** Architectural LED Light Engine

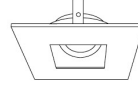
4" Pex™ Square Twist-On Trims



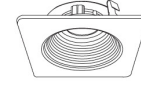
Reflector
ELK4218
 Finishes:
 (W, BB, BZ, B, C, H)



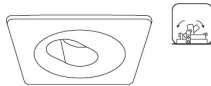
Adjustable Gimbal
ELK4229
 Finishes:
 (W, BB, BZ, B, C, H)



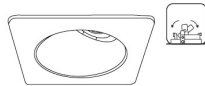
Adjustable Pinhole
ELK4227
 Finishes:
 (B, BB, BZ)



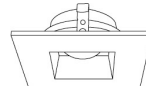
Adjustable Phenolic Baffle
ELK4293
 Finishes:
 (W, BB, B)



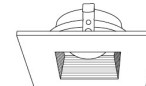
Adj. Slot Rotatable Aperture
ELK4220
 Finishes:
 (W)



Adjustable Wall Wash
ELK4222
 Finishes:
 (W)

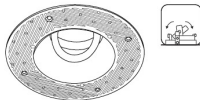


Adjustable Reflector
ELK4282
 Finishes:
 (W)

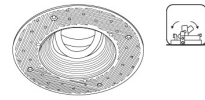


Adjustable Baffle
ELK4284
 Finishes:
 (W)

4" Pex™ Adjustable Trimless



Smooth Reflector
ELK430
 Finishes:
 (W, B, BZ)



Baffle
ELK434
 Finishes:
 (W, B, BZ)

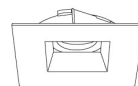
4" Flexa™ Twist-&-Lock Trims



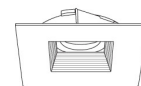
Round Reflector
ELK4721
 Finishes:
 (WW, BB, BZBZ, BW, CC, CW, HW, CN)



Round Baffle
ELK4723
 Finishes:
 (WW, BB, BZBZ, BW)



Square Reflector
ELK4741
 Finishes:
 (WW, BB, BZBZ, BW, HW)
**Not for Remodel Housing*



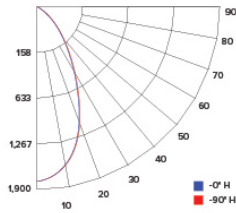
Square Baffle
ELK4743
 Finishes:
 (WW, BB, BZBZ, BW)
**Not for Remodel Housing*

Photometric Report

Koto™ Architectural LED Module

PHOTOMETRIC REPORT

Product #: ELK2127D
 Wattage / Lumens: 12.22W / 1169.3 lm
 Luminaire LPW: 95.7 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	1829
5	1737
15	1353
25	683
35	328
45	123
55	39
65	17
75	8
85	2
90	1

ILLUMINANCE AT A DISTANCE

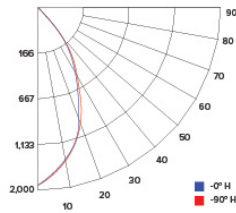
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	114	3.0'
6'	50.8	4.6'
8'	28.6	6.1'
10'	18.3	7.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	834.5	71.2
0-40°	1,022.9	87.3
0-60°	1,140.0	97.3
0-90°	1,164.3	99.4

PHOTOMETRIC REPORT

Product #: ELK2130D
 Wattage / Lumens: 12.22W / 1218 lm
 Luminaire LPW: 99.6 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	1900
5	1805
15	1406
25	710
35	341
45	127
55	41
65	17
75	9
85	2
90	1

ILLUMINANCE AT A DISTANCE

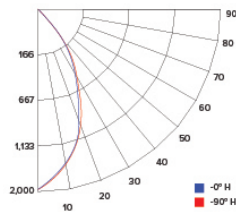
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	119	3.0'
6'	52.8	4.6'
8'	29.7	6.1'
10'	19.0	7.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	867.0	71.2
0-40°	1,062.8	87.3
0-60°	1,184.4	97.3
0-90°	1,209.7	99.4

PHOTOMETRIC REPORT

Product #: ELK2135D
 Wattage / Lumens: 12.22W / 1271 lm
 Luminaire LPW: 104 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	1976
5	1877
15	1462
25	738
35	355
45	133
55	43
65	18
75	9
85	2
90	1

ILLUMINANCE AT A DISTANCE

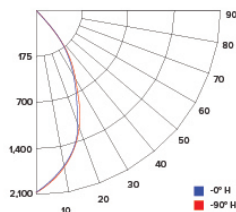
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	124	3.0'
6'	54.9	4.6'
8'	30.9	6.1'
10'	19.8	7.6'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	901.7	71.2
0-40°	1,105.3	87.3
0-60°	1,231.8	97.3
0-90°	1,258.1	99.4

PHOTOMETRIC REPORT

Product #: ELK2140D
 Wattage / Lumens: 12.22W / 1322 lm
 Luminaire LPW: 108.2 lm/W



CANDLE POWER SUMMARY

Degress Vertical	0°
0	2051
5	1948
15	1518
25	766
35	368
45	138
55	44
65	19
75	9
85	2
90	1

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	128	3.0'
6'	57.0	4.6'
8'	32.1	6.1'
10'	20.5	7.6'

ZONAL LUMEN SUMMARY

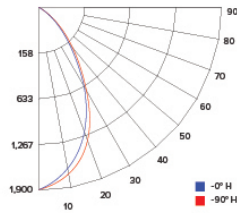
Zone	Lumens	%Luminaire
0-30°	935.9	71.2
0-40°	1,147.2	87.3
0-60°	1,278.5	97.3
0-90°	1,305.8	99.4

Photometric Report

Koto™ Architectural LED Module

PHOTOMETRIC REPORT

Product #: ELK2130D-W (E4LK79ICAD)
 Wattage / Lumens: 17.9W / 1584.3 lm
 Luminaire LPW: 88.5 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1880
5	1753
15	1396
25	892
35	399
45	170
55	50
65	21
75	11
85	6
90	5

ILLUMINANCE AT A DISTANCE

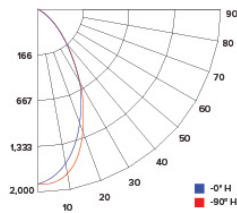
Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	118	3.9'
6'	52.2	5.9'
8'	29.4	7.9'
10'	18.8	9.8'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	1,042.6	65.8
0-40°	1,346.3	85
0-60°	1,545.5	97.6
0-90°	1,584.0	100

PHOTOMETRIC REPORT

Product #: ELK2135D-W (E4LK79ICAD)
 Wattage / Lumens: 17.9W / 1647.3 lm
 Luminaire LPW: 92 lm/W



CANDLE POWER SUMMARY

Degree Vertical	0°
0	1955
5	1824
15	1452
25	928
35	415
45	177
55	52
65	21
75	11
85	6
90	5

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Center Beam Footcandles	Beam Diameter
4'	122	3.9'
6'	54.3	5.9'
8'	30.6	7.9'
10'	19.6	9.8'

ZONAL LUMEN SUMMARY

Zone	Lumens	%Luminaire
0-30°	1,084.3	65.8
0-40°	1,400.1	85
0-60°	1,607.3	97.6
0-90°	1,647.4	100