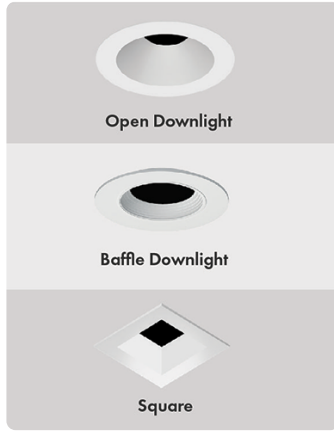


# 2"

## Architectural LED Downlight- Adjustable

# EPD-2-ADJ

## Edison Series



### Application

A versatile fixture with a 2" aperture designed for precise lighting control. It adjusts its lighting output to suit specific needs, offering focused task lighting, ambient illumination, or accent lighting. Ideal for a range of architectural and interior design applications, it ensures you achieve your desired lighting effects effortlessly.

### Features

- Architectural adjustable downlight features:
- A compact 2" aperture
- Multiple beam options
- High CRI of over 90
- Up to 1000 lumens of brightness
- Adjustable tilt angles from 0 to 40 degrees
- 360-degree horizontal rotation
- Sturdy 18-gauge steel mounting frame with C-channel brackets for up to 24" horizontal and 1.5" vertical adjustments
- Die-formed construction for effective heat dissipation and rust protection
- Available in a Wall Wash configuration
- Interchangeable round and square trims
- Various finishes
- Passive cooling via a Diecast Aluminum Heat Sink for precise lighting alignment with its unique mechanism.

<b>Lumens</b>	<b>High Performance:</b> 800, 1000, 1200
<b>CCT &amp; Dynamic Platforms</b>	<b>High Performance:</b> 27K, 30K, 35K, 40K
<b>CRI</b>	<b>High Performance:</b> 90+
<b>Color Quality</b>	2 Step MacAdam Ellipse
<b>Distributions</b>	SPD (Spot 15°), ND (Narrow 20°), MD (Medium 30°), WD (Wide 40°)
<b>Trim Options</b>	Baffled Open Trim, Baffled Lensed Trim, Reflector Open Trim, Reflector Lensed Trim
<b>Reflector Colors</b>	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), W (White),
<b>Flange Colors</b>	WH (Self-Flanged White), SHZ (Self-Flanged Low Iridescent Satin Haze)
<b>Dimming</b>	DIM10, DIMTR
<b>Lifetime</b>	L70 Rated for 120,000 hours at 70% lumen maintenance
<b>Photometric Tests</b>	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

Nominal Lumens	Delivered Lumens	Wattage
800L	785	12
1000L	1115	17
1200L	1434	19

Based on 4000K, 90+ CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%



# 2"

Architectural LED Downlight- Adjustable

# EPD-2-ADJ

## Edison Series

PART NUMBER: **EPD-2-ADJ-800L-27K-90-SPD-DIM10-120V**

Series	Lumens	CCT	CRI	Optics	Driver	Voltage
<b>EPD-2-ADJ</b>	<b>800L 1000L 1200L</b>	<b>27K 30K 35K 40K</b>	<b>90+</b>	<b>SPD</b> Spot (15°) <b>ND</b> Narrow (20°) <b>MD</b> Medium (30°) <b>WD</b> Wide (40°)	<b>DIM10 DIMTR<sup>3</sup></b>	<b>120V 277V MVOLT 347V<sup>5</sup></b>

<sup>1</sup> 50K series are available with 85+ CRI only    <sup>2</sup> 98+ CRI is available in 27K, 30K and 40K only    <sup>3</sup> DIMTR available in 120V only    <sup>4</sup> LUTFTB Available for luminaires up to 1500L    <sup>5</sup> 347V is available in only DIM10    <sup>6</sup> CP Available for luminaires up to 1500L



















# 2"

Architectural LED Downlight- Adjustable

# EPD-2-ADJ

## Edison Series

**ORDERING GUIDE:**

REFLECTOR TYPE				MOUNTING	FINISH	
 EPD-2-121 Baffle Open Trim	 EPD-2-127 Baffled Lensed Trim WET LOCATION	 EPD-2-122 Open Trim Reflector	 EPD-2-128 Lensed Trim Reflector WET LOCATION	 Round Flanged	 WH-WH White	 CL-WH Clear Semi-Spec
 EPD-2-123 Wallwash					 SHZ-WH Satin Haze	
 EPD-2SQ-121 Baffle Open Trim	 EPD-2SQ-127 Baffled Lensed Trim WET LOCATION	 EPD-2SQ-122 Open Trim Reflector	 EPD-2-128 Lensed Trim Reflector WET LOCATION	 Square Flange	 WH-WH White	 CL-WH Clear Semi-Spec
 EPD-2-123 Wallwash					 SHZ-WH Satin Haze	

# 2"

## Architectural LED Downlight- Adjustable

# EPD-2-ADJ

## Edison Series

### Modifications Available

Consult factory for modification requests; orders may require shop drawing approval.

### Adjustable

Has full adjustable aiming capability, allowing the double gimbal mechanism to rotate 360°, pivot 90°, and lock into place at any desired position.

### Wall Wash

The optical assembly delivers uniform ceiling-to-floor wallwashing without creating any visible scallops. The optical assembly is specially designed to extend a beam in two directions for a uniform floor-to-ceiling and side-to-side wash of light.

### Housing / Mounting

The downlight mounting frame is expertly crafted from 18-gauge steel and comes with included C-channel mounting brackets. These brackets offer up to 24" of horizontal adjustability and 1.5" of vertical adjustability, securely locking into position. The die-formed construction of the mounting frame enhances heat dissipation and rust protection, and it also offers a WallWash option.

### Thermal Management System

The precision performance of light delivery is achieved through a distinctive locking mechanism that aligns the reflector with the light engine.

### Emergency Options/Controls

The Emergency battery pack needs to be remote mounted in a junction above the ceiling. A custom made canopy can also be provided upon request when there is no ceiling access and the emergency needs to be mounted below the ceiling line. The test switch for the emergency battery is mounted remotely (EMG-LED option) on the ceiling. Self Diagnostic emergency option available (EMG-SDT) Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Other accessories and controls systems include modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications.

### Drivers

- DIM10 - 0-10V dimming on either MVOLT 120V . Dimmable down to 5% of initial lumens, standard.
- DIMTR - Triac & Electronic low voltage dimming. Available in 120V only.

### Technology

EPD-2-ADJ offers various beam options, high CRI, up to 1000 lumens, and dimming down to 1%. It features field-changeable optics and allows tilt angles from 0 to 40 degrees with a full 360-degree horizontal rotation for flexibility.

### Dim to Warm Option

Dim to Warm simulates traditional incandescent halogen lighting through dimming. When the luminaire dims to warm from 100% to .1%, it makes a smooth transition across the black body radiator while maintaining a constant CRI of 90+. Available in 30K-18K, 30K-22K or 27K-18K range.

### Dimming & Driver Information

**DIM10** - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard

**DIMTR** - Triac & Electronic low voltage forward phase dimming. Available in 120V only

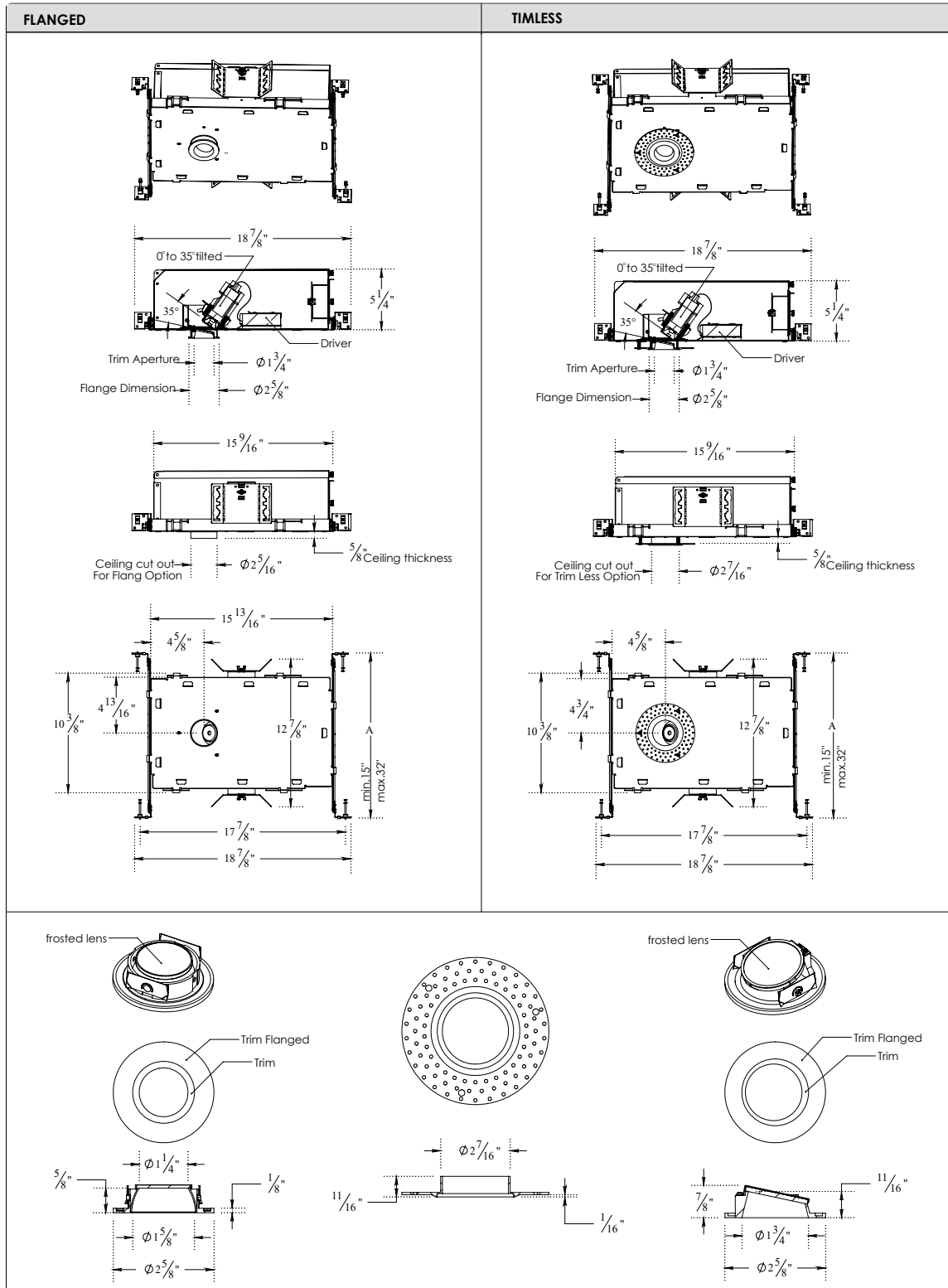


# 2"

## Architectural LED Downlight- Adjustable

# EPD-2-ADJ

## Edison Series



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# 2"

## Architectural LED Downlight- Adjustable

# EPD-2-ADJ

## Edison Series

EPD-2-ADJ-1200L-40K-90-SPD-DIM10-120V-EPD-2-121-WH-WH

TEST NO.: EL06152261

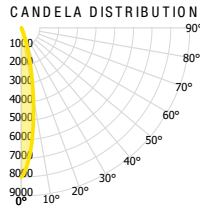
INPUT WATTS: 19.4

LUMENS: 1297

EFFICACY: 67

BEAM ANGLE: 20

SPACING CRITERIA: 0.32



CANDELA TABLE

	0°	90°
0°	7995	7995
10°	3719	4591
20°	647	941
30°	73	97
40°	35	41
50°	15	17
60°	11	12
70°	7	8
80°	2	3
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	684865	684865
45.00°	2409	2672
55.00°	2056	2171
65.00°	1778	1998
75.00°	1390	1744
85.00°	560	1209

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	550
10° - 20°	541
20° - 30°	130
30° - 40°	30
40° - 50°	17
50° - 60°	12
60° - 70°	9
70° - 80°	5
80° - 90°	1

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1091	84%
0° - 30°	1221	94%
0° - 40°	1251	96%
0° - 60°	1280	99%
0° - 80°	1295	100%
0° - 90°	1296	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	222.1 fc	2.1 ft	2.1 ft
8.0 ft	124.9 fc	2.8 ft	2.8 ft
10.0 ft	80.0 fc	3.5 ft	3.5 ft
12.0 ft	55.5 fc	4.2 ft	4.2 ft
14.0 ft	40.8 fc	4.9 ft	4.9 ft
16.0 ft	31.2 fc	5.6 ft	5.6 ft
18.0 ft	24.7 fc	6.3 ft	6.3 ft
20.0 ft	20.0 fc	7.0 ft	7.0 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	80%												70%												20%												0%
	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%															
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	100	0%															
1	115	113	111	109	112	111	109	107	107	107	105	104	103	102	101	100	99	98	97	96	95	96	96														
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	95	93	95	93	92	90	93															
3	108	103	100	97	106	102	99	96	99	97	95	97	95	97	95	93	95	93	92	90	88	90															
4	105	99	95	93	103	98	95	92	96	93	91	94	92	90	93	91	89	88	87	85	88	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	85	84	83	85	85															
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	80	84	83															
7	97	90	86	84	95	90	86	83	89	85	83	88	85	83	87	84	82	81	80	78	81	81															
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	78	77	76	79	78															
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	80	78	77	76	75	78	78															
10	90	84	80	77	89	83	80	77	83	79	77	82	79	77	81	79	77	76	75	74	77	76															

EPD-2-ADJ-1200L-40K-90-ND-DIM10-120V-EPD-2-121-WH-WH

TEST NO.: EL06152261

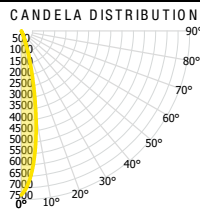
INPUT WATTS: 19.5

LUMENS: 1432

EFFICACY: 73

BEAM ANGLE: 23

SPACING CRITERIA: 0.34



CANDELA TABLE

	0°	90°
0°	7324	7324
10°	3767	4593
20°	613	966
30°	87	142
40°	33	50
50°	13	15
60°	10	10
70°	6	6
80°	2	2
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	627349	627349
45.00°	2058	2503
55.00°	1665	1701
65.00°	1585	1565
75.00°	1254	1287
85.00°	491	708

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	561
10° - 20°	625
20° - 30°	162
30° - 40°	41
40° - 50°	17
50° - 60°	10
60° - 70°	8
70° - 80°	5
80° - 90°	1

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1186	83%
0° - 30°	1349	94%
0° - 40°	1390	97%
0° - 60°	1417	99%
0° - 80°	1430	100%
0° - 90°	1431	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	203.4 fc	2.5 ft	2.5 ft
8.0 ft	114.4 fc	3.3 ft	3.3 ft
10.0 ft	73.2 fc	4.1 ft	4.1 ft
12.0 ft	50.9 fc	5.0 ft	4.9 ft
14.0 ft	37.4 fc	5.8 ft	5.7 ft
16.0 ft	28.6 fc	6.6 ft	6.5 ft
18.0 ft	22.6 fc	7.5 ft	7.4 ft
20.0 ft	18.3 fc	8.3 ft	8.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	80%												70%												20%												0%
	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%															
0	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	100	0%															
1	115	113	111	109	112	111	109	107	107	107	105	104	103	102	101	100	99	98	97	96	95	96	96														
2	111	107	104	102	109	106	103	101	103	101	99	100	98	97	97	95	93	95	93	92	90	93															
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	91	90	89	87	88	88															
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	88	87	85	84	86	85															
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	84	83	81	84	83															
6	99	93	88	85	97	92	88	85	91	87	85	89	86	84	88	86	84	82	81	79	81	81															
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	79	77	76	79	78															
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	77	76	75	78	78															
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74	77	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73	76	75															



# 2"

# EPD-2-ADJ

## Architectural LED Downlight- Adjustable

## Edison Series

EPD-2-ADJ-1200L-40K-90-MD-DIM10-120V-EPD-2-121-WH-WH

TEST NO.: EL06152261

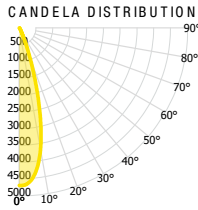
INPUT WATTS: 19.6

LUMENS: 1424

EFFICACY: 73

BEAM ANGLE: 32

SPACING CRITERIA: 0.49



CANDELA TABLE

	0°	90°
0°	4690	4690
10°	3659	3948
20°	909	1085
30°	127	151
40°	45	59
50°	15	17
60°	11	12
70°	7	7
80°	2	3
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	401751	401751
45.00°	2494	3448
55.00°	1865	2000
65.00°	1822	1921
75.00°	1463	1536
85.00°	590	708

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	410
10° - 20°	681
20° - 30°	229
30° - 40°	54
40° - 50°	21
50° - 60°	12
60° - 70°	9
70° - 80°	6
80° - 90°	2

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1091	77%
0° - 30°	1319	93%
0° - 40°	1374	96%
0° - 60°	1407	99%
0° - 80°	1422	100%
0° - 90°	1423	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	130.3 fc	3.4 ft	3.3 ft
8.0 ft	73.3 fc	4.5 ft	4.4 ft
10.0 ft	46.9 fc	5.7 ft	5.6 ft
12.0 ft	32.6 fc	6.8 ft	6.7 ft
14.0 ft	23.9 fc	7.9 ft	7.8 ft
16.0 ft	18.3 fc	9.1 ft	8.9 ft
18.0 ft	14.5 fc	10.2 ft	10.0 ft
20.0 ft	11.7 fc	11.4 ft	11.1 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	80%										70%										20%										0%
	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	0%								
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96	96	96	96	96	96	0%							
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	91	93	91	93	91	90	88							
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	89	87	90	88	86	85	85	82							
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	88	85	83	84	83	81	86	83	82								
5	100	93	89	86	98	92	88	85	91	87	84	89	86	84	88	85	82	80	82	80	79	79	79	79							
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	78	75	78	75	74	74								
7	93	86	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	75	73	79	75	73	72								
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	74	74								
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	70	72	72	72	72	72								
10	85	78	74	71	85	78	74	71	77	73	71	77	73	71	76	73	71	70	70	70	70	70	70								

EPD-2-ADJ-1200L-40K-90-WD-DIM10-120V-EPD-2-121-WH-WH

TEST NO.: EL06152261

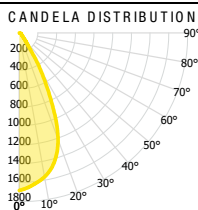
INPUT WATTS: 19.4

LUMENS: 1239

EFFICACY: 64

BEAM ANGLE: 51

SPACING CRITERIA: 0.81



CANDELA TABLE

	0°	90°
0°	1688	1688
10°	1565	1579
20°	1218	1099
30°	460	326
40°	92	70
50°	37	34
60°	29	26
70°	19	15
80°	8	5
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	144551	144551
45.00°	6375	5297
55.00°	4715	4562
65.00°	4864	4191
75.00°	4256	3237
85.00°	2889	1012

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	158
10° - 20°	411
20° - 30°	400
30° - 40°	155
40° - 50°	46
50° - 60°	29
60° - 70°	23
70° - 80°	13
80° - 90°	3

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	569	46%
0° - 30°	968	78%
0° - 40°	1123	91%
0° - 60°	1198	97%
0° - 80°	1234	100%
0° - 90°	1238	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	46.9 fc	5.7 ft	5.7 ft
8.0 ft	26.4 fc	7.6 ft	7.7 ft
10.0 ft	16.9 fc	9.5 ft	9.6 ft
12.0 ft	11.7 fc	11.5 ft	11.5 ft
14.0 ft	8.6 fc	13.4 ft	13.4 ft
16.0 ft	6.6 fc	15.3 ft	15.3 ft
18.0 ft	5.2 fc	17.2 ft	17.2 ft
20.0 ft	4.2 fc	19.1 ft	19.2 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf	80%										70%										20%										0%
	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100	100	100	0%								
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93	96	95	93	93	93								
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87	90	88	87	87	87								
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	85	82	81	81	81								
4	98	90	85	81	96	89	84	80	87	82	79	85	81	78	83	80	77	76	79	76	76	76	76								
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	74	73	71	71	71								
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67	71	68	67	67	67								
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	71	68	65	63	68	65	63	63	63								
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60	64	61	60	60	60								
9	77	68	62	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57	61	58	57	57	57								
10	74	65	59	56	73	64	59	56	64	59	55	63	58	55	62	58	55	54	58	55	54	54	54								



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