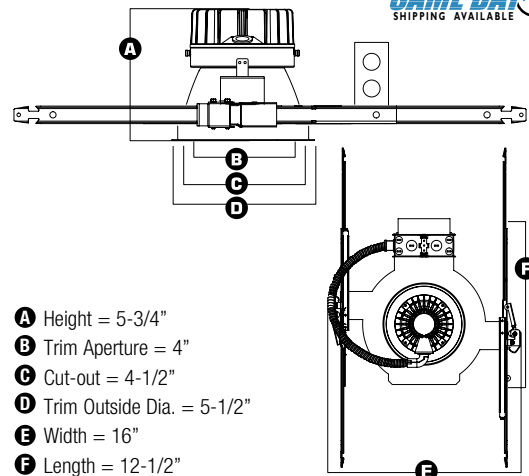
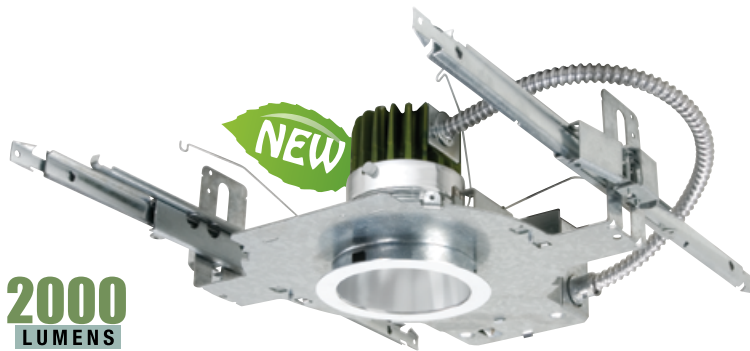


# HH4-LED 4" ARCHITECTURAL HIGH LUMEN LED DOWNLIGHT



**2000 LUMENS**



- A** Height = 5-3/4"
- B** Trim Aperture = 4"
- C** Cut-out = 4-1/2"
- D** Trim Outside Dia. = 5-1/2"
- E** Width = 16"
- F** Length = 12-1/2"

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS
120/277	50/60Hz	225mA/97mA	<20%	>0.9	27W(+/-5%)	2000
120/277	50/60Hz	175mA/76mA	<20%	>0.9	21W(+/-5%)	1500
120/277	50/60Hz	142mA/61mA	<20%	>0.9	17W(+/-5%)	1200
120/277	50/60Hz	100mA/43mA	<20%	>0.9	12W(+/-5%)	900

**DESCRIPTION** - 4" LED dedicated Architectural New Construction Downlight with integral LED heat management casting and driver (installed on junction box). Available in 900 lumens, 1200 lumens, 1500 lumens & 2000 lumens. ELITE's eco-friendly MAXILUME LED system is Energy Star and California Title 24 compliant and features 70% lumen maintenance at 50,000hrs of life. Our lighting adds comfort to any environment while using 50% less energy than the common CFL downlight.

**FEATURES** - MAXILUME LED luminaires are ideally suited for use in hospitality, health care, commercial, academic institutions, retail and other architectural applications.



**OPTICS** - MAXILUME LED Optilux technology combines unmatched performance with visual comfort. Spun 0.05" thick 1-step anodized reflector has been designed to gather the light scattered by the LED chip and shape it into functional beams that minimize brightness and glare, while eliminating lamp image. Reflector offers a 45-55 degree cutoff and smooth frost Solite diffuser distributes light even throughout the workplace in 3 different distribution; Wide (WD), Medium (MD) and Narrow (ND).

**PERFORMANCE** - Operating system delivers 900, 1200, 1500 & 2000 lumens. All MAXILUME LED luminaires are rated at 85+, 90+ and 98+ CRI, and are binned to within 3 MacAdam ellipses. Elite's highly selective LED chips produce zero ultraviolet and virtually no infrared light. All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

**THERMAL MANAGEMENT SYSTEM** - Using a proprietary coolLED Advanced Thermodynamic Design, Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Heat sink is attached to top of reflector. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Our die-cast system pulls the heat from the LED chip, allowing continued cool operation for years. Life tests have shown the MAXILUME light engine output will be maintained at 70% of initial at 50,000hrs of operation.

**DIMMABLE** - The MAXILUME LED system is shipped standard with a 0-10V driver which can be dimmed down to 1% of initial light output with a 0-10V dimmer when ordered with the following options (DIM10-120, DIM10-277). Fixtures can also be shipped with a Lutron Hi-lume A series driver which can be dimmed with Lutron Dimming Systems when ordered with the following options (LUTH-120, LUTH-277), Lutron® Hi-Lume A-Series (LUT2W-120) 2-Wire Forward Phase Control 1% Dimming in 120V only, or EldoLed 0-10V 1% Dimming, consult factory for other EldoLed driver and other driver options. Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). All fixtures with 3000L and below are dimmable down to 1% and the fixtures with 4000L and above can be dimmed down to 10%.

**MOUNTING FRAME** - Die-formed construction for maximum heat dissipation and rust protection.

Example: HH4-LED-900L-DIM10-120-MD-30K-HH6-6501-CL-WH

**MOUNTING BRACKET** - Constructed from 16 gauge steel and is supplied with C-channel that are adjustable up to 28". Mounting bracket maybe adjusted up to 2-3/4" vertically from inside the housing.

**LED DRIVER/JUNCTION BOX** - The LED driver is rated for 50 to 60Hz at 120V /277V input, produces less than 20%THD, and has a power factor between 90% and 100% and is thermally protected for additional safety. MAXILUME's LED driver is installed on the junction box cover so it may be serviced from below the ceiling. UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pryout slots and strain clamps. Designed for straight through conduit runs.

**OUR WORD** - The MAXILUME LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included.)

**DIMMING INFORMATION**

- DIM10** (0-10V 1% Dimming)
- LUTH** (Lutron® Hi-Lume A-Series 3-Wire or Eco System 1% Dimming up to 4000 lumens only)
- LUT2W** (Lutron® Hi-Lume A-Series 2-Wire Forward Phase Control 1% Dimming in 120V only and up to 3000 lumens only)
- ELDO10** (EldoLed 0-10V 1% Dimming up to 3000 lumens only, consult factory for the EldoLed driver options)
- DIMTR** (Triac & Electronic Low Voltage Dimming)

**LISTING**

- c-UL-us - listed for Wet Location if used with HH4-4501 Trim.
- c-UL-us - listed for feed Through Wiring. LM79 / LM80 U.S Patent No. - D685,118S
- CP - City of Chicago environmental air (CCEA) marking for plenum applications.

LED Driver options:

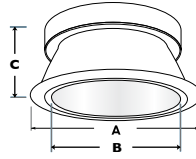


TYPE	LUMENS/DRIVER				VOLTAGE	OPTICS	CCT	CRI	EMERGENCY	TRIM TYPE		REFLECTOR/RING FINISH	DISC
	900L SERIES	1200L SERIES	1500L SERIES	2000L SERIES						NO DISC	WITH DISC		
HH4-LED	<input type="checkbox"/> 900L-DIM10 <input type="checkbox"/> 900L-DIMTR <sup>1</sup> <input type="checkbox"/> 900L-LUTH <sup>2</sup> <input type="checkbox"/> 900L-LUT2W <sup>1</sup> <input type="checkbox"/> 900L-ELDO10-1-2 <input type="checkbox"/> 900L-ELDODALI-1-2 <input type="checkbox"/> 900L-ELDODMX-1-2	<input type="checkbox"/> 1200L-DIM10 <input type="checkbox"/> 1200L-DIMTR <sup>1</sup> <input type="checkbox"/> 1200L-LUTH <sup>2</sup> <input type="checkbox"/> 1200L-LUT2W <sup>1</sup> <input type="checkbox"/> 1200L-ELDO10-1-2 <input type="checkbox"/> 1200L-ELDODALI-1-2 <input type="checkbox"/> 1200L-ELDODMX-1-2	<input type="checkbox"/> 1500L-DIM10 <input type="checkbox"/> 1500L-DIMTR <sup>1</sup> <input type="checkbox"/> 1500L-LUTH <sup>2</sup> <input type="checkbox"/> 1500L-LUT2W <sup>1</sup> <input type="checkbox"/> 1500L-ELDO10-1-2 <input type="checkbox"/> 1500L-ELDODALI-1-2 <input type="checkbox"/> 1500L-ELDODMX-1-2	<input type="checkbox"/> 2000L-DIM10 <input type="checkbox"/> 2000L-DIMTR <sup>1</sup> <input type="checkbox"/> 2000L-LUTH <sup>2</sup> <input type="checkbox"/> 2000L-LUT2W <sup>1</sup> <input type="checkbox"/> 2000L-ELDO10-1-2 <input type="checkbox"/> 2000L-ELDODALI-1-2 <input type="checkbox"/> 2000L-ELDODMX-1-2	<input type="checkbox"/> 120 <input type="checkbox"/> 277 <input type="checkbox"/> 347 (DIM10 only)	<input type="checkbox"/> WD (60°-70°) <input type="checkbox"/> MD (60°-55°) <input type="checkbox"/> ND (30°-40°)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 90+ <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K <sup>3</sup> (85+CRI only)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+ <input type="checkbox"/> 98+ <sup>4</sup>	<input type="checkbox"/> EMG-LED <input type="checkbox"/> INTG-EMG-LED Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details.	<input type="checkbox"/> HH4-4501 <input type="checkbox"/> HH4-4507 <input type="checkbox"/> HH4-4510 <input type="checkbox"/> HH4-4511 <input type="checkbox"/> HH4-4512 <input type="checkbox"/> HH4-4522 <input type="checkbox"/> HH4-4523 <input type="checkbox"/> HH4-4525 <input type="checkbox"/> HH4-4577	<input type="checkbox"/> HH4-4509 <input type="checkbox"/> HH4-4510 <input type="checkbox"/> HH4-4511 <input type="checkbox"/> HH4-4528	<input type="checkbox"/> CL-WH <input type="checkbox"/> CL-SCH <input type="checkbox"/> SHZ-SHZ <input type="checkbox"/> SHZ-WH <input type="checkbox"/> W-WH <input type="checkbox"/> MB-WH <input type="checkbox"/> WT-WH	<input type="checkbox"/> BLUE <input type="checkbox"/> RED <input type="checkbox"/> GREEN <input type="checkbox"/> FROST <input type="checkbox"/> AL <input type="checkbox"/> BZ <input type="checkbox"/> WH
										OTHER OPTIONS		TRIMLESS TRIM OPTIONS	
										<input type="checkbox"/> CP-CHICAGO-PLENUM <input type="checkbox"/> HH4-TL-4501 <input type="checkbox"/> HH4-TL-4507	<input type="checkbox"/> CL <input type="checkbox"/> SHZ		

<sup>1</sup> LUT2W and DIMTR are available in 120V only <sup>2</sup> LUTH, ELDO10-1, ELDODALI-1, and ELDODMX-1 are available in 120V and 277V <sup>3</sup> 50K series are available with 85+ CRI only <sup>4</sup> 98+ CRI is available in 27K, 30K and 40K only

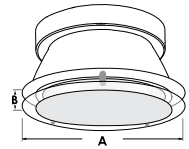
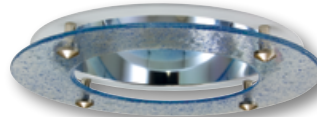


FOR  
**WET**  
LOCATION



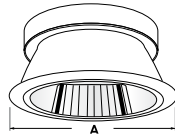
**EXAMPLE:** HH4-4501-CL-WH  
**HH4-4501** - REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
 PATENT NO. D692,172  
 PATENT NO. D692,172

A= 5-1/2"  
 B= 4"  
 C= 3-3/4"



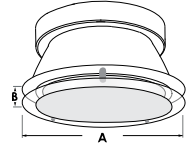
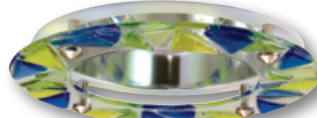
**EXAMPLE:** HH4-4521-CL-WH  
**HH4-4521** - STARDUST DECO RING GLASS WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH

A= 5-1/2"  
 B= 1"



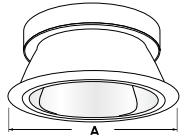
**EXAMPLE:** HH4-4507-CL-WH  
**HH4-4507** - WALL WASH REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
 PATENT NO. D691,316

A= 5-1/2"



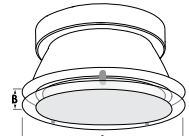
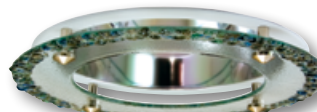
**EXAMPLE:** HH4-4523-CL-WH  
**HH4-4523** - PRISM DECO RING GLASS WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH

A= 5-1/2"  
 B= 1"



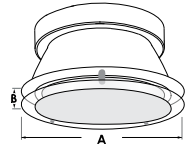
**EXAMPLE:** HH4-4577-CL-WH  
**HH4-4577** - DOUBLE WALL WASH REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH

A= 5-1/2"



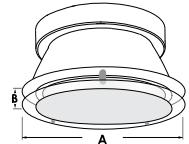
**EXAMPLE:** HH4-4522-CL-WH  
**HH4-4522** - EURO DECO RING GLASS WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH

A= 5-1/2"  
 B= 1"



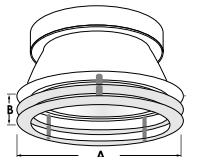
**EXAMPLE:** HH4-4509-CL-WH  
**HH4-4509** - DECO GLASS REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**GLASS FINISH:**  
 BLUE, RED, GREEN, FROST

A= 5-1/2"  
 B= 1"



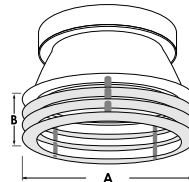
**EXAMPLE:** HH4-4525-CL-WH  
**HH4-4525** - CENTRAL ETCHED FLOAT GLASS WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH

A= 5-1/2"  
 B= 1"



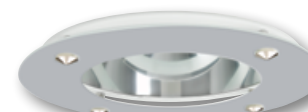
**EXAMPLE:** HH4-4510-CL-WH  
**HH4-4510** - DOUBLE RING GLASS WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**GLASS FINISH:**  
 BLUE, RED, GREEN, FROST

A= 5-1/2"  
 B= 1-7/8"



**EXAMPLE:** HH4-4511-CL-WH  
**HH4-4511** - TRIPLE RING GLASS WITH DIFFUSE LENS  
**REFLECTOR/RING FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**GLASS FINISH:**  
 BLUE, RED, GREEN, FROST

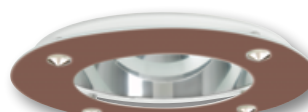
A= 5-1/2"  
 B= 1-3/4"



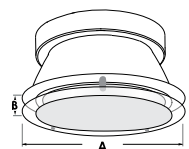
ALUMINIUM  
**DISC**



HH4-4528-CL-W-WH



HH4-4528-CL-WH-BZ



**EXAMPLE:** HH4-4528-CL-WH-AL  
**HH4-4528** - REFLECTOR WITH ALUMINIUM DISC AND DIFFUSE LENS  
**REFLECTOR FINISH:**  
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**DISC FINISH:**  
 AL, WH, BZ

A= 5-1/2"  
 B= 1"

LED

4"

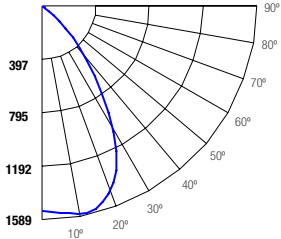
4 INCH ARCHITECTURAL HIGH LUMEN LED OPTICS

## HH4-LED-2000L-DIM10-120-WD-27K-HH4-4501-CL-SCH

TEST NO.: EL107316

INPUT WATTS: 26.8 LUMENS: 1970 CRI: 90+ EFFICACY: 74 CCT: 4000K SPACING CRITERIA: 1.04

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	583.85	29.70	29.60
0-30	1182.54	60.10	60.00
0-40	1679.22	85.30	85.20
0-60	1955.79	99.40	99.30
0-80	1969.22	100.10	99.90
0-90	1970.23	100.10	100.00

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average		
	0°	45°	90°
45	32300	51665	66713
55	3472	12598	18587
65	1199	1797	9178
75	539	976	1535
85	188	1847	2481

### Lumens Per Zone

Zone	Lumens
0-10	148.19
10-20	435.66
20-30	598.69
30-40	496.66
40-50	230.84
50-60	45.75
60-70	11.12
70-80	2.31
80-90	1.01

### Candela Tabulation

θ	Q	θ	Q
0	1536.70	102	100
5	1554.89	97	94
15	1573.40	91	87
25	1298.93	85	81
35	723.25	80	76
45	181.65	74	70
55	15.84	68	64
65	4.03	62	58
75	1.11	56	52
85	0.13	50	46
90	0.07	44	40

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%				30%				10%				0%			
		RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	102	102	102	100	100		
1	113	110	108	105	111	108	106	103	103	104	102	100	100	99	97	97	96	96	96	96	94	93			
2	107	102	97	94	105	100	96	93	93	97	93	91	94	91	89	91	89	91	89	87	85	85			
3	101	94	89	84	99	92	88	83	83	90	86	82	87	84	81	85	82	80	76	73	72	72			
4	95	87	81	76	93	86	80	76	84	79	75	75	81	77	74	80	76	73	70	67	66	66			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	70	67	64	60	57	56	56			
6	85	75	68	64	83	74	68	63	73	67	63	71	66	63	70	65	62	58	54	51	50	50			
7	80	70	63	59	78	69	63	58	68	62	58	66	62	58	65	61	57	54	50	48	47	47			
8	76	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	49	46	44	44	44			
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	46	43	41	40	40			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	42	39	37	36	36			

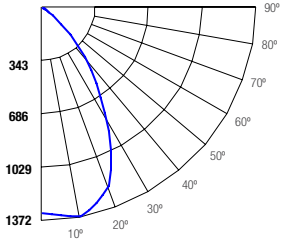
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

## HH4-LED-1500L-DIM10-120-WD-27K-HH4-4501-CL-SCH

TEST NO.: EL112816

INPUT WATTS: 20.2 LUMENS: 1472 CRI: 90+ EFFICACY: 73 CCT: 4000K SPACING CRITERIA: 0.96

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	491.98	33.50	33.40
0-30	942.54	64.10	64.00
0-40	1275.26	86.70	86.60
0-60	1461.73	99.40	99.30
0-80	1471.67	100.10	99.90
0-90	1472.41	100.10	100.00

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average		
	0°	45°	90°
45	25363	32719	44302
55	2937	8521	10829
65	1000	1238	5343
75	476	680	908
85	202	1327	1630

### Lumens Per Zone

Zone	Lumens
0-10	128.47
10-20	363.51
20-30	450.56
30-40	332.72
40-50	153.71
50-60	32.76
60-70	8.27
70-80	1.67
80-90	0.75

### Candela Tabulation

θ	Q	θ	Q
0	1334.91	102	100
5	1347.63	97	93
15	1324.18	91	86
25	992.65	85	79
35	498.04	80	73
45	142.64	74	67
55	13.40	68	62
65	3.36	62	56
75	0.98	56	50
85	0.14	50	44
90	0.05	44	40

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%				30%				10%				0%			
		RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%		
0	119	119	119	119	119	116	116	116	116	111	111	111	107	107	107	102	102	102	102	102	102	100	100		
1	113	110	108	105	111	108	106	104	104	104	102	101	100	99	97	97	96	96	96	96	94	93	93		
2	107	102	98	94	105	100	97	93	93	97	94	91	94	92	89	91	89	91	89	87	86	86			
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81	79	75	73	72	72			
4	96	88	82	78	94	87	81	77	85	80	76	82	78	75	81	77	74	73	70	67	66	66			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	64	60	59	59			
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62	58	54	53	53			
7	81	71	65	60	80	71	65	60	69	64	60	68	63	60	67	63	59	56	52	48	47	47			
8	77	67	60	56	76	66	60	56	65	60	56	64	59	56	63	59	55	52	48	44	43	43			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	59	55	52	48	44	40	39	39			
10	69	59	53	49	68	59	53	49	58	52	49	57	52	49	56	52	48	44	40	36	35	35			

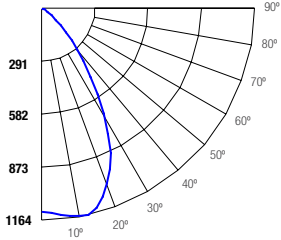
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

## HH4-LED-1200L-DIM10-120-WD-27K-90-HH6-6501-CL-SCH

TEST NO.: EL111816

INPUT WATTS: 16.8 LUMENS: 1255 CRI: 90+ EFFICACY: 75 CCT: 4000K SPACING CRITERIA: 0.96

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	414.24	33.10	33.00
0-30	799.01	63.80	63.70
0-40	1085.17	86.60	86.50
0-60	1245.37	99.40	99.30
0-80	1253.87	100.10	99.90
0-90	1254.53	100.10	100.00

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average		
	0°	45°	90°
45	22461	29495	38761
55	2609	7699	9812
65	857	1098	4834
75	403	607	836
85	159	1313	1673

### Lumens Per Zone

Zone	Lumens
0-10	107.60
10-20	306.64
20-30	384.77
30-40	286.16
40-50	132.10
50-60	28.09
60-70	7.08
70-80	1.42
80-90	0.67

### Candela Tabulation

θ	Q	θ	Q
0	1117.01	102	100
5	1132.19	97	93
15	1128.56	91	86
25	873.58	85	81
35	439.45	80	73
45	126.32	74	67
55	11.90	68	62
65	2.88	62	56
75	0.83	56	50
85	0.11	50	44
90	0.04	44	40

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC	80%				70%				50%				30%				10%				0%			
		RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%	10%	50%	30%	10%	10%	50%	30%	10%	0%		
0	119	119	119	119	119																				

## HH4-LED-900L-DIM10-120-WD-27K-90-HH6-6501-CL-SCH

TEST NO.: **EL111716**

INPUT WATTS: **12**

LUMENS: **927**

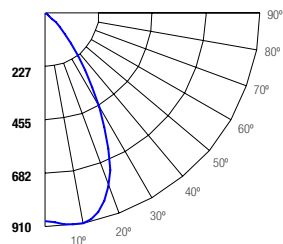
CRI: **90+**

EFFICACY: **77**

CCT: **4000K**

SPACING CRITERIA: **0.92**

### Candle Power Distribution (Candelas)



### Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	323.94	35.00	35.00
0-30	609.13	65.80	65.70
0-40	808.58	87.40	87.30
0-60	919.88	99.40	99.30
0-80	926.14	100.10	99.90
0-90	926.65	100.10	100.00

### Luminance (Average candela/M<sup>2</sup>)

Angle in Degrees	Average		
	0°	45°	90°
45	15059	19972	28023
55	1804	5414	7365
65	607	815	3644
75	282	481	656
85	101	1096	1298

### Lumens Per Zone

Zone	Lumens
0-10	85.38
10-20	238.56
20-30	285.19
30-40	199.46
40-50	91.22
50-60	20.07
60-70	5.21
70-80	1.05
80-90	0.51

### Candela Tabulation

Q	Candela
0	888.58
5	900.88
15	886.88
25	635.65
35	292.87
45	84.69
55	8.23
65	2.04
75	0.58
85	0.07
90	0.03

### Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	RW	80%				70%				50%				30%				10%				0%	
		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	107	107	107	102	102	102	100				
1		113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93				
2		107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	90	88	86				
3		102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79				
4		96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73				
5		91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68				
6		86	77	71	66	85	76	70	66	75	69	65	73	68	65	72	68	64	63				
7		82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				
8		77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55				
9		74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51				
10		70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

Cone of Light		
4.0	55.5	4.7
8.0	13.9	9.4
12.0	6.17	14.0
16.0	3.47	18.7
20.0	2.22	23.4
24.0	1.54	28.1
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

LED  
4"

4 INCH ARCHITECTURAL HIGH LUMEN PHOTOMETRY