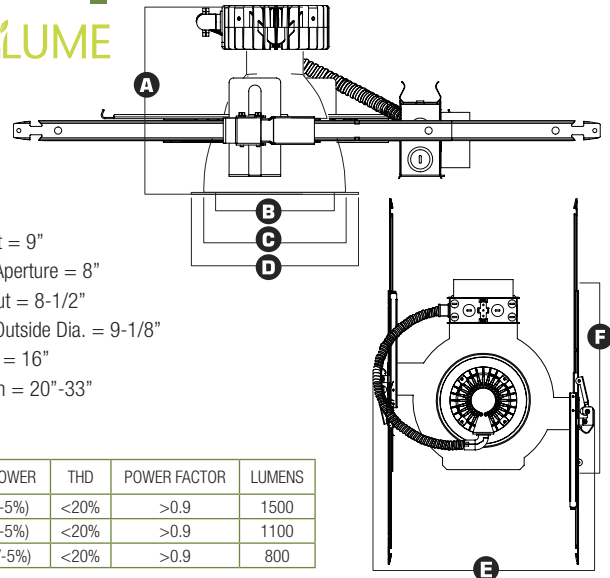


HV8-LED 8" ARCHITECTURAL LED DOWNLIGHT



1500 LUMENS

MAXILUME



- A** Height = 9"
- B** Trim Aperture = 8"
- C** Cut-out = 8-1/2"
- D** Trim Outside Dia. = 9-1/8"
- E** Width = 16"
- F** Length = 20"-33"

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	283mA/123mA	34W(+/-5%)	<20%	>0.9	1500
120/277	50/60Hz	180mA/76mA	21W(+/-5%)	<20%	>0.9	1100
120/277	50/60Hz	133mA/57mA	16W(+/-5%)	<20%	>0.9	800

DESCRIPTION - 8" LED dedicated Architectural New Construction Downlight with integral LED heat management casting and driver (installed on junction box). Available in 800 lumens (16W), 1100 lumens (21W) & 1500 lumens (34W). Lighting is smooth and comfortable while using 25% less energy than the common 26W & 32W CFL downlight. Plus the eco-friendly Maxilume LED system features 70% lumen maintenance at 50,000 hours life, with Energy Star and California Title-24 (compliances pending).

FEATURES - Greater light output than a 26W & 32W CFL while consuming less than 16W to 34W of power. Maxilume LED luminaires are ideally suited for use in hospitality, health care, commercial, institutions, retail and other architectural applications.



OPTICS - MAXILUME LED Optilux technology combines unmatched performance with visual comfort. Spun 0.05" thick 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. Proprietary dual level upper and lower reflector design allows for optimum glare control. Elite engineered superior quality, light engine; producing 800 lumens (16W) , 1100 lumens (21W) & 1500 lumens (34W).

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.

PERFORMANCE - Operating system delivers 800 lumens (16W), 1100 lumens (21W) & 1500 lumens (34W) with a 4100K color temperature. All MAXILUME LED luminaires are rated at 85+ CRI. All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

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

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 housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Life tests have shown the MAXILUME light engine output will be maintained at 70% of initial at 50,000 hours of operation.

OUR WORD - The MAXILUME LED lighting system is warranted for 5 years. As a system, we stand behind the entire MAXILUME products from housing to bar hangers.

DIMMABLE - The MAXILUME LED system is fully dimmable down to 10% of initial light output with a 0-10 Volt dimmer when ordered with the following options (DIM10-120, DIM10-277). Fixtures can 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). Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). Consult Factory for details.

LISTING
 c-UL-us / c-ETL-us - listed for Damp location.
 c-UL-us / c-ETL-us - listed for feed Through Wiring.
 LM79 / LM80

DIMMING INFORMATION
 DIMTR (Triac & Electronic Low Voltage Dimming)
 DIM10 (0-10V Dimming)
 LUTH (Lutron® Hi-lume® Dimming)

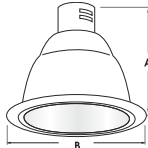
MOUNTING FRAME - Die-formed construction for maximum heat dissipation and rust protection.

Example: HV8-LED-21W-DIM10-120-FL-30K-LED-8101-CL-WH

TYPE	800 LUMENS	1100 LUMENS	1500 LUMENS	OPTICS	COLOR	EMERGENCY	TRIM TYPE	REFLECTOR/ RING FINISH	DISC		
HV8-LED	<input type="checkbox"/> 16W-DIMTR-120 <input type="checkbox"/> 16W-LUTH-120 <input type="checkbox"/> 16W-LUTH-277 <input type="checkbox"/> 16W-DIM10-120 <input type="checkbox"/> 16W-DIM10-277	<input type="checkbox"/> 21W-LUTH-120 <input type="checkbox"/> 21W-LUTH-277 <input type="checkbox"/> 21W-DIM10-120 <input type="checkbox"/> 21W-DIM10-277	<input type="checkbox"/> 34W-LUTH-120 <input type="checkbox"/> 34W-LUTH-277 <input type="checkbox"/> 34W-DIM10-120 <input type="checkbox"/> 34W-DIM10-277	<input type="checkbox"/> FL	<input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 41K	<input type="checkbox"/> EMG-LED	<input type="checkbox"/> LED-8101 <input type="checkbox"/> LED-8102 <input type="checkbox"/> LED-8107 <input type="checkbox"/> LED-8109 <input type="checkbox"/> LED-8110 <input type="checkbox"/> LED-8128 <input type="checkbox"/> LED-8123	<input type="checkbox"/> LED-8112 <input type="checkbox"/> LED-8113 <input type="checkbox"/> LED-8114 <input type="checkbox"/> LED-8115 <input type="checkbox"/> LED-8121 <input type="checkbox"/> LED-8122 <input type="checkbox"/> LED-8125	<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



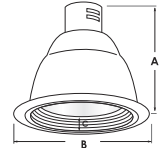
EXAMPLE: LED-8101-CL-WH
LED-8101 - REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"



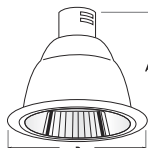
EXAMPLE: LED-8102-CL-WH
LED-8102 - BAFFLE W/ REFLECTOR
REFLECTOR/ RING FINISH:
 W-CL-WH P-CL-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1"



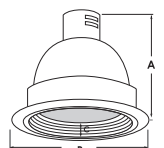
EXAMPLE: LED-8107-CL-WH
LED-8107 - WALL WASH REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"



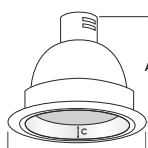
EXAMPLE: LED-8112-CL-WH
LED-8112 - BAFFLE W/ FROSTED GLASS LENS
BAFFLE/ RING FINISH:
 W-CL-WH P-CL-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1"



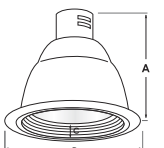
EXAMPLE: LED-8114-CL-WH
LED-8114 - REFLECTOR W/ FROSTED GLASS LENS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1"



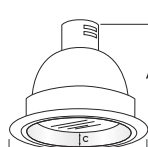
EXAMPLE: LED-8113-CL-WH
LED-8113 - BAFFLE W/ TEMPERED CLEAR GLASS
BAFFLE/ RING FINISH:
 W-WH P-WH



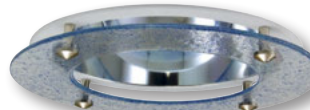
A= 7-1/2"
 B= 9-1/8"
 C= 1"



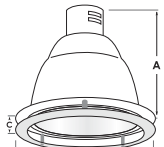
EXAMPLE: LED-8115-CL-WH
LED-8115 - REFLECTOR W/ TEMPERED CLEAR GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-13/16"
 B= 9-1/8"
 C= 1"



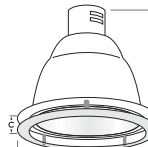
EXAMPLE: LED-8121-CL-WH
LED-8121 - STARDUST DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-13/16"
 B= 9-1/8"
 C= 1-1/4"



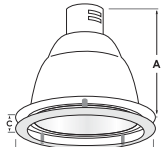
EXAMPLE: LED-8122-CL-WH
LED-8122 - EURO DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



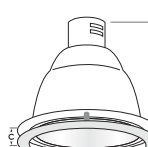
EXAMPLE: LED-8123-CL-WH
LED-8123 - PRISM DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



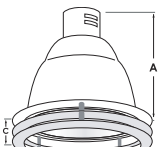
EXAMPLE: LED-8109-CL-WH
LED-8109 - DECO GLASS REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
 BLUE, RED, GREEN, FROST



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



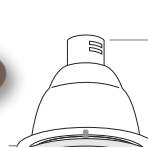
EXAMPLE: LED-8110-CL-WH
LED-8110 - DOUBLE RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
 BLUE, RED, GREEN, FROST



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/2"



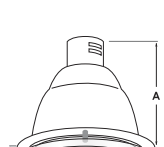
ALUMINIUM DISC
EXAMPLE: LED-8128-CL-WH-AL
LED-8128 - DECO GLASS REFLECTOR WITH ALUMINIUM DISC
REFLECTOR FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
DISC FINISH:
 AL, WH, BZ



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



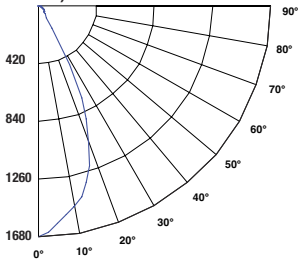
EXAMPLE: LED-8125-CL-WH
LED-8125 - CENTRAL ETCHED FLOAT GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"

HV8-LED-16W-MVOLT-DIM-FL-41K-LED-8101-SHZ / HVJ(R)8-LED-16W-MVOLT-DIM-FL-31K-LED-8101-SHZ TEST NO.: **ELT-HV8-LED-0135**
INPUT WATTS: 16 LUMENS: 875 CRI: 85+ EFFICACY: 54 LPW CCT: 4100K SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



Cone of Light		
Distance to Plane	Initial Footcandles at Nadir	Beam Diameter
4'	105.03	3.5'
6'	46.68	5.2'
8'	26.26	6.9'
10'	16.80	8.6'
12'	11.67	10.4'

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

Candela Distribution	
0	0
0	1680
5	1588
15	1335
25	739
35	77
45	50
55	30
65	15
75	6
85	0
90	0

Zonal Lumens Summary			
Zone	Lumens	%Lamp	%Fixt
0-30°	818	85	85
0-40°	875.2	90	90
0-60°	940.8	97	97
0-90°	962.3	100	100

Lumens Per Zone	
Zone	Lumens
0-10	148.2
10-20	365.3
20-30	304.5
30-40	57.1
40-50	39.0
50-60	26.6
60-70	14.5
70-80	6.1
80-90	0.9

Luminance (Average Candela/M2)			
Angle In Degrees	Average 0°	Average 55°	Average 90°
45°	3911	3911	3911
55°	2826	2826	2826
65°	1886	1886	1886
75°	1194	1194	1194
85°	311	311	311

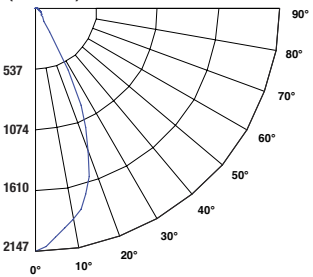
Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	100	100	100	100			
1	114	111	109	107	111	109	107	94	105	103	102	101	100	99	98	97	96	94	94	94	94	94			
2	109	104	100	97	106	102	99	89	99	96	94	96	94	92	93	91	90	88	88	88	88	88			
3	104	98	93	89	102	96	92	84	94	90	87	91	88	86	89	87	84	83	83	83	83	83			
4	99	92	87	83	97	91	86	79	89	85	81	87	83	81	85	82	80	78	78	78	78	78			
5	95	87	82	78	93	86	81	75	84	80	77	83	79	76	81	78	75	74	74	74	74	74			
6	91	82	77	73	89	82	77	71	80	76	72	79	75	72	78	74	71	70	70	70	70	70			
7	87	78	73	69	86	78	73	68	77	72	69	75	71	68	74	71	68	67	67	67	67	67			
8	83	75	69	66	82	74	69	64	73	68	65	72	68	65	71	67	65	63	63	63	63	63			
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60	60	60	60	60			
10	77	68	63	60	76	68	63	59	67	62	59	66	62	59	66	62	59	58	58	58	58	58			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

HV8-LED-21W-MVOLT-DIM-FL-41K-LED-8101-SHZ / HVJ(R)8-LED-21W-MVOLT-DIM-FL-41K-LED-8101-SHZ TEST NO.: **ELT-HV8-LED-0136**
INPUT WATTS: 21 LUMENS: 1100 CRI: 85+ EFFICACY: 52 LPW CCT: 4100K SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



Cone of Light		
Distance to Plane	Initial Footcandles at Nadir	Beam Diameter
4'	134.20	3.5'
6'	59.64	5.2'
8'	33.55	6.9'
10'	21.47	8.6'
12'	14.91	10.4'

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

Candela Distribution	
0	0
0	2147
5	2029
15	1705
25	944
35	98
45	65
55	38
65	19
75	7
85	1
90	0

Zonal Lumens Summary			
Zone	Lumens	%Lamp	%Fixt
0-30°	1045.3	85	85
0-40°	1118.3	90	90
0-60°	1202.2	97	97
0-90°	1229.7	100	100

Lumens Per Zone	
Zone	Lumens
0-10	189.4
10-20	466.8
20-30	389.1
30-40	73.0
40-50	49.9
50-60	34.0
60-70	18.5
70-80	7.8
80-90	1.1

Luminance (Average Candela/M2)			
Angle In Degrees	Average 0°	Average 55°	Average 90°
45°	4997	4997	4997
55°	3612	3612	3612
65°	2410	2410	2410
75°	1526	1526	1526
85°	397	397	397

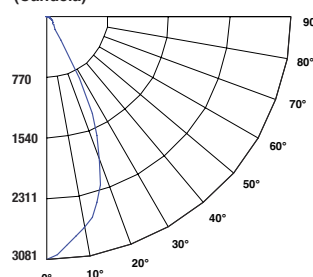
Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

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%				
1	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	100	100	100	100			
2	114	111	109	107	111	109	107	89	99	96	94	96	94	92	93	91	90	88	88	88	88	88			
3	109	104	100	97	106	102	99	89	99	96	94	96	94	92	93	91	90	88	88	88	88	88			
4	104	98	93	89	102	96	92	84	94	90	87	91	88	86	89	87	84	83	83	83	83	83			
5	99	92	87	83	97	91	86	79	89	85	81	87	83	81	85	82	80	78	78	78	78	78			
6	95	87	82	78	93	86	81	75	84	80	77	83	79	76	81	78	75	74	74	74	74	74			
7	91	82	77	73	89	82	77	71	80	76	72	79	75	72	78	74	71	70	70	70	70	70			
8	87	78	73	69	86	78	73	68	77	72	69	75	71	68	74	71	68	67	67	67	67	67			
9	83	75	69	66	82	74	69	64	73	68	65	72	68	65	71	67	65	63	63	63	63	63			
10	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60	60	60	60	60			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58	58	58	58	58			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

HV8-LED-34W-MVOLT-DIM-FL-41K-LED-8101-SHZ / HVJ(R)8-LED-34W-MVOLT-DIM-FL-41K-LED-8101-SHZ TEST NO.: **ELT-HV8-LED-0137**
INPUT WATTS: 34 LUMENS: 1500 CRI: 85+ EFFICACY: 44 LPW CCT: 4100K SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



Cone of Light		
Distance to Plane	Initial Footcandles at Nadir	Beam Diameter
4'	192.55	3.5'
6'	85.58	5.2'
8'	48.14	6.9'
10'	30.81	8.6'
12'	21.39	10.4'

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

Candela Distribution	
0	0
0	3081
5	2911
15	2447
25	1354
35	141
45	93
55	54
65	27
75	10
85	1
90	0

Zonal Lumens Summary			
Zone	Lumens	%Lamp	%Fixt
0-30°	1499.8	85	85
0-40°	1604.5	90	90
0-60°	1724.9	97	97
0-90°	1764.3	100	100

Lumens Per Zone	
Zone	Lumens
0-10	271.7
10-20	669.8
20-30	558.3
30-40	104.7
40-50	71.6
50-60	48.8
60-70	26.6
70-80	11.2
80-90	1.6

Luminance (Average Candela/M2)			
Angle In Degrees	Average 0°	Average 55°	Average 90°
45°	7170	7170	7170
55°	5182	5182	5182
65°	3458	3458	3458
75°	2189	2189	2189
85°	571	571	571

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	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	100	100	100	100			
1	114	111	109	107	111	109	107	94	105	103	102	101	100	99	98	97	96	94	94	94	94	94			
2	109	104	100	97	106	102	99	89	99	96	94	96	94	92	93	91	90	88	88	88	88	88			
3	104	98	93	89	102	96	92	84	94	90	87	91	88	86	89	87	84	83	83	83	83	83			
4	99	92	87	83	97	91	86	79	89	85	81	87	83	81	85	82	80	78	78	78	78	78			
5	95	87	82	78	93	86	81	75	84	80	77	83	79	76	81	78	75	74	74	74	74	74			
6	91	82	77	73	89	82	77	71	80	76	72	79	75	72	78	74	71	70	70	70	70	70			
7	87	78	73	69	86	78	73	68	77	72	69	75	71	68	74	71	68	67	67	67	67	67			
8	83	75	69	66	82	74	69	64	73	68	65	72	68	65	71	67	65	63	63	63	63	63			
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60	60	60	60	60			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58	58	58	58	58			

RC - Ceiling Cavity Reflectance RW - Wall Reflectance