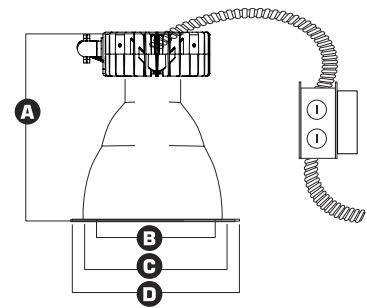


HVJ8-LED 8" ARCHITECTURAL LED RETROFIT DOWNLIGHT



- A Height = 9"
- B Trim Aperture = 8"
- C Cut-out = 8-1/2"
- D Trim Outside Dia. = 9-1/8"

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 Retrofit Downlight with integral LED heat management casting and driver. 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). Designed to install into an existing downlights mounting frame and convert them into energy efficient LED downlights to save anywhere from 35% up to 75% on energy cost. Fits all downlights with 8-1/2" aperture. Custom size and aperture, LED retrofit and reflectors are available, please consult factory for further details.

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).

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.

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.

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.

Example: HVJ8-LED-21W-DIM10-120-FL-30K-LED-8101-CL-WH

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.

MOUNTING - Our retrofit is designed to install into an existing downlights mounting frame and convert them into energy efficient LED downlights. Flex is designed to attach into existing junction box.

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.

LISTING

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

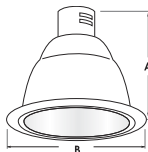
DIMMING INFORMATION

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

TYPE	800 LUMENS	1100 LUMENS	1500 LUMENS	OPTICS	COLOR	EMERGENCY	TRIM TYPE	REFLECTOR/ RING FINISH	DISC	
HVJ8-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



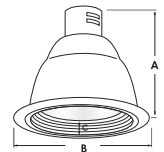
EXAMPLE: LED-8101-CL-WH
LED-8101 - REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



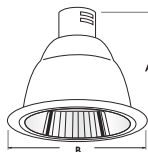
EXAMPLE: LED-8102-CL-WH
LED-8102 - BAFFLE W/ REFLECTOR
REFLECTOR/ RING FINISH:
 W-CL-WH P-CL-WH



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



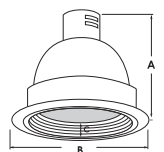
EXAMPLE: LED-8107-CL-WH
LED-8107 - WALL WASH REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



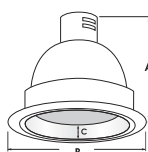
EXAMPLE: LED-8112-CL-WH
LED-8112 - BAFFLE W/ FROSTED GLASS LENS
BAFFLE/ RING FINISH:
 W-CL-WH P-CL-WH



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



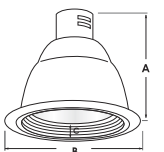
EXAMPLE: LED-8114-CL-WH
LED-8114 - REFLECTOR W/ FROSTED GLASS LENS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



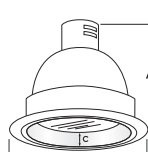
EXAMPLE: LED-8113-CL-WH
LED-8113 - BAFFLE W/ TEMPERED CLEAR GLASS
BAFFLE/ RING FINISH:
 W-WH P-WH



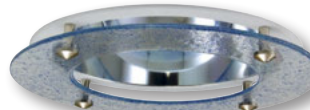
A= 7-1/2"
 B= 9-1/8"
 C= 1"



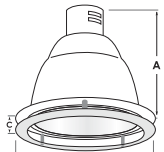
EXAMPLE: LED-8115-CL-WH
LED-8115 - REFLECTOR W/ TEMPERED CLEAR GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



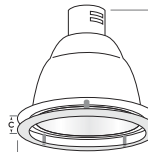
EXAMPLE: LED-8121-CL-WH
LED-8121 - STARDUST DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



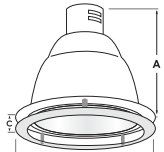
EXAMPLE: LED-8122-CL-WH
LED-8122 - EURO DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



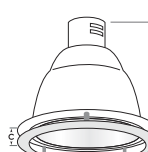
EXAMPLE: LED-8123-CL-WH
LED-8123 - PRISM DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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



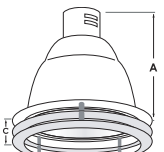
EXAMPLE: LED-8109-CL-WH
LED-8109 - DECO GLASS REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
 BLUE, RED, GREEN, FROST



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

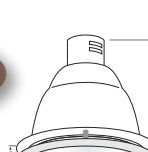


A= 7-1/2"
 B= 9-1/8"
 C= 1-1/2"

ALUMINIUM DISC



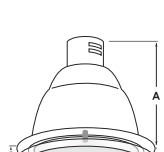
EXAMPLE: LED-8128-CL-WH-AL
LED-8128 - DECO GLASS REFLECTOR WITH ALUMINIUM DISC
REFLECTOR FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
DISC FINISH:
 AL, WH, BZ



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

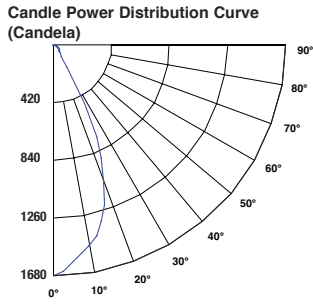


EXAMPLE: LED-8125-CL-WH
LED-8125 - CENTRAL ETCHED FLOAT GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



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**



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

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

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

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

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'

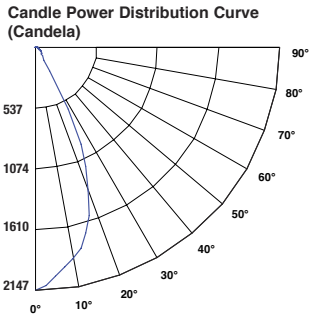
BEAM DIA. MEASURED AT 50% OF NADIR F.C.

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	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**



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

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

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

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

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'

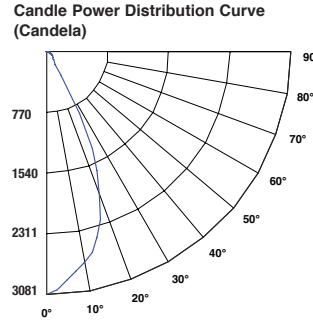
BEAM DIA. MEASURED AT 50% OF NADIR F.C.

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%			
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	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

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**



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

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

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

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

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.

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	11																		