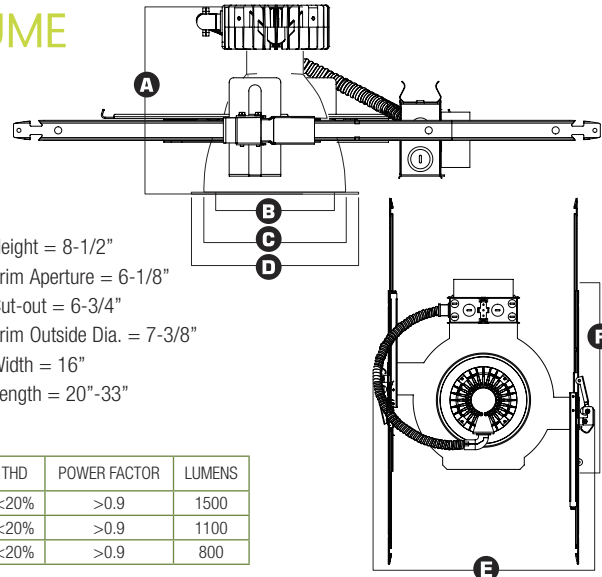


HV6-LED 6" ARCHITECTURAL LED DOWNLIGHT



1500 LUMENS

MAXILUME



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	175mA/76mA	21W(+/-5%)	<20%	>0.9	1100
120/277	50/60Hz	133mA/57mA	16W(+/-5%)	<20%	>0.9	800

DESCRIPTION - 6" 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).

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.

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

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 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.

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

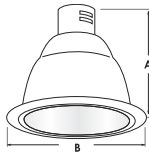
DIMTR (Triac & Electronic Low Voltage Dimming)
 DIM10 (0-10V Dimming)
 LUTH (Lutron® Hi-lume® Dimming)

Example: HV6-LED-21W-DIM10-120-FL-30K-LED-6101-CL-WH

TYPE	800 LUMENS	1100 LUMENS	1500 LUMENS	OPTICS	COLOR	EMERGENCY	TRIM TYPE	REFLECTOR/ RING FINISH	DISC	
HV6-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-6101 <input type="checkbox"/> LED-6102 <input type="checkbox"/> LED-6107 <input type="checkbox"/> LED-6109 <input type="checkbox"/> LED-6110 <input type="checkbox"/> LED-6128 <input type="checkbox"/> LED-6123	<input type="checkbox"/> LED-6112 <input type="checkbox"/> LED-6113 <input type="checkbox"/> LED-6114 <input type="checkbox"/> LED-6115 <input type="checkbox"/> LED-6121 <input type="checkbox"/> LED-6122 <input type="checkbox"/> LED-6125	<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



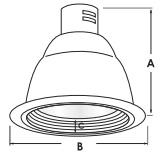
EXAMPLE: LED-6101-CL-WH
LED-6101 - REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/8"
 B = 7-3/8"



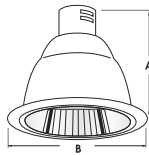
EXAMPLE: LED-6102-CL-WH
LED-6102 - BAFFLE W/ REFLECTOR
BAFFLE/ RING FINISH:
 W-CL-WH P-CL-WH



A = 7-1/8"
 B = 7-3/8"
 C = 1"



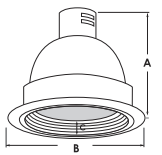
EXAMPLE: LED-6107-CL-WH
LED-6107 - WALL WASH REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/8"
 B = 7-3/8"



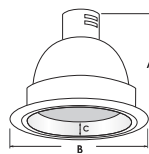
EXAMPLE: LED-6112-CL-WH
LED-6112 - BAFFLE W/ FROSTED GLASS LENS
BAFFLE/ RING FINISH:
 W-WH P-WH



A = 7-1/2"
 B = 7-3/8"
 C = 1"



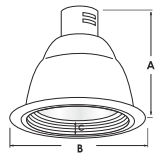
EXAMPLE: LED-6114-CL-WH
LED-6114 - REFLECTOR W/ FROSTED GLASS LENS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/2"
 B = 7-3/8"
 C = 1"



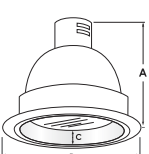
EXAMPLE: LED-6113-CL-WH
LED-6113 - BAFFLE W/ TEMPERED CLEAR GLASS
BAFFLE/ RING FINISH:
 W-WH P-WH



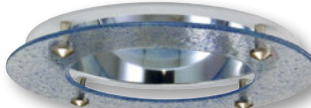
A = 7-1/2"
 B = 7-3/8"
 C = 1"



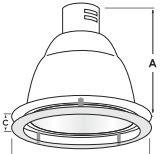
EXAMPLE: LED-6115-CL-WH
LED-6115 - REFLECTOR W/ TEMPERED CLEAR GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/2"
 B = 7-3/8"
 C = 1"



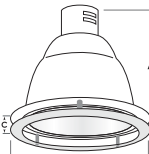
EXAMPLE: LED-6121-CL-WH
LED-6121 - STARDUST DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/8"
 B = 7-3/8"
 C = 1-1/4"



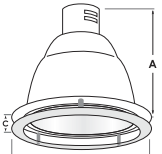
EXAMPLE: LED-6122-CL-WH
LED-6122 - EURO DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/8"
 B = 7-3/8"
 C = 1-1/4"



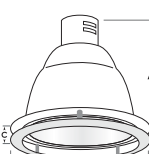
EXAMPLE: LED-6123-CL-WH
LED-6123 - PRISM DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/8"
 B = 7-3/8"
 C = 1-1/4"



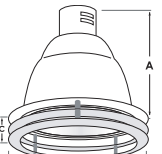
EXAMPLE: LED-6109-CL-WH
LED-6109 - DECO GLASS REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
 BLUE, RED, GREEN, FROST



A = 7-1/8"
 B = 7-3/8"
 C = 1-1/4"



EXAMPLE: LED-6110-CL-WH
LED-6110 - 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

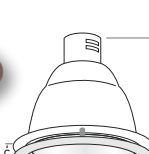


A = 7-1/8"
 B = 7-3/8"
 C = 1-1/2"



ALUMINIUM DISC

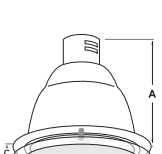
EXAMPLE: LED-6128-CL-WH-AL
LED-6128 - DECO GLASS REFLECTOR WITH ALUMINIUM DISC
REFLECTOR FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
DISC FINISH:
 AL, WH, BZ



A = 7-1/8"
 B = 7-3/8"
 C = 1-1/4"



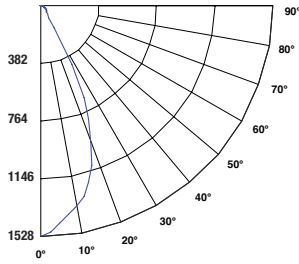
EXAMPLE: LED-6125-CL-WH
LED-6125 - CENTRAL ETCHED FLOAT GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A = 7-1/8"
 B = 7-3/8"
 C = 1-1/4"

HV6-LED-16W-MVOLT-DIM-FL-41K-LED-6101-SHZ / HVJ(R)6-LED-16W-MVOLT-DIM-FL-41K-LED-6101-SHZ TEST NO.: **ELT-HV6-LED-00121**
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'	95.48	3.5'
6'	42.44	5.2'
8'	23.87	6.9'
10'	15.28	8.6'
12'	10.61	10.4'

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

Candela Distribution

0	5	15	25	35	45	55	65	75	85	90
1528	1444	1213	672	70	46	27	13	5	0	0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	743.7	85	85
0-40°	795.6	90	90
0-60°	855.3	97	97
0-90°	874.9	100	100

Lumens Per Zone

Zone	Lumens
0-10	134.7
10-20	332.1
20-30	276.8
30-40	51.9
40-50	35.5
50-60	24.2
60-70	13.2
70-80	5.6
80-90	.8

Luminance (Average Candela/M²)

Angle In Degrees	Average 0°	Average 55°	Average 90°
45°	3555	3555	3555
55°	2570	2570	2570
65°	1715	1715	1715
75°	1086	1086	1086
85°	283	283	283

Coefficients of Utilization - Zonal Cavity Method

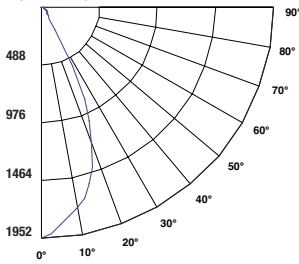
Effective Floor Cavity Reflectance 0.20

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%	
0	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	
1	114	111	109	107	111	109	107	94	105	103	102	101	100	99	98	97	96	94	
2	109	104	100	97	106	102	99	89	99	96	94	96	94	92	93	91	90	88	
3	104	98	93	89	102	96	92	84	94	90	87	91	88	86	89	87	84	83	
4	99	92	87	83	97	91	86	79	89	85	81	87	83	81	85	82	80	78	
5	95	87	82	78	93	86	81	75	84	80	77	83	79	76	81	78	75	74	
6	91	82	77	73	89	82	77	71	80	76	72	79	75	72	78	74	71	70	
7	87	78	73	69	86	78	73	68	77	72	69	75	71	68	74	71	68	67	
8	83	75	69	66	82	74	69	64	73	68	65	72	68	65	71	67	65	63	
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60	
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58	

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

HV6-LED-21W-MVOLT-DIM-FL-41K-LED-6101-SHZ / HVJ(R)6-LED-21W-MVOLT-DIM-FL-41K-LED-6101-SHZ TEST NO.: **ELT-HV6-LED-00122**
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'	122	3.5'
6'	54.22	5.2'
8'	30.5	6.9'
10'	19.52	8.6'
12'	13.56	10.4'

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

Candela Distribution

0	5	15	25	35	45	55	65	75	85	90
1952	1845	1550	858	89	59	34	17	7	1	0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	950.3	85	85
0-40°	1016.6	90	90
0-60°	1092.9	97	97
0-90°	1117.9	100	100

Lumens Per Zone

Zone	Lumens
0-10	172.2
10-20	424.4
20-30	353.7
30-40	66.3
40-50	45.4
50-60	30.6
60-70	16.8
70-80	7.1
80-90	1

Luminance (Average Candela/M2)

Angle In Degrees	Average 0°	Average 55°	Average 90°
45°	4543	4543	4543
55°	3283	3283	3283
65°	2191	2191	2191
75°	1387	1387	1387
85°	361	361	361

Coefficients of Utilization - Zonal Cavity Method

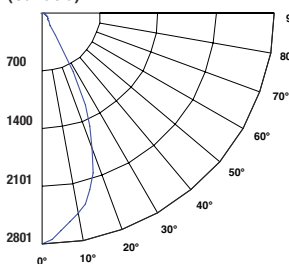
Effective Floor Cavity Reflectance 0.20

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%	
0	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	
1	114	111	109	107	111	109	107	94	105	103	102	101	100	99	98	97	96	94	
2	109	104	100	97	106	102	99	89	99	96	94	96	94	92	93	91	90	88	
3	104	98	93	89	102	96	92	84	94	90	87	91	88	86	89	87	84	83	
4	99	92	87	83	97	91	86	79	89	85	81	87	83	81	85	82	80	78	
5	95	87	82	78	93	86	81	75	84	80	77	83	79	76	81	78	75	74	
6	91	82	77	73	89	82	77	71	80	76	72	79	75	72	78	74	71	70	
7	87	78	73	69	86	78	73	68	77	72	69	75	71	68	74	71	68	67	
8	83	75	69	66	82	74	69	64	73	68	65	72	68	65	71	67	65	63	
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60	
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	58	

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

HV6-LED-34W-MVOLT-DIM-FL-41K-LED-6101-SHZ / HVJ(R)6-LED-34W-MVOLT-DIM-FL-41K-LED-6101-SHZ TEST NO.: **ELT-HV6-LED-00123**
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'	174.04	3.5'
6'	77.80	5.2'
8'	43.76	6.9'
10'	28.01	8.6'
12'	19.45	10.4'

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

Candela Distribution

0	5	15	25	35	45	55	65	75	85	90
2801	2647	2224	1231	128	84	49	24	9	1	0

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-30°	1363.4	85	85
0-40°	1458.6	90	90
0-60°	1568.1	97	97
0-90°	1603.9	100	100

Lumens Per Zone

Zone	Lumens
0-10	247.0
10-20	608.9
20-30	507.5
30-40	95.2
40-50	65.1
50-60	44.4
60-70	24.1
70-80	10.2
80-90	1.5

Luminance (Average Candela/M2)

Angle In Degrees	Average 0°	Average 55°	Average 90°
45°	6518	6518	6518
55°	4711	4711	4711
65°	3143	3143	3143
75°	1990	1990	1990
85°	518	518	518

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%	
0	119	119	119	119	116	116	116	100	111	111	111	106	106	106	102	102	102	100	
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3	104	98	93	89	102	96	92	84	94	90	87	91	88	86	89	87	84	83	
4	99	92	87	83	97	91	86	79	89	85	81	87	83	81	85	82	80	78	
5	95	87	82	78	93	86	81	75	84	80	77	83	79	76	81	78	75	74	
6	91	82	77	73	89	82	77	71	80	76	72	79	75	72	78	74	71	70	
7	87	78	73	69	86	78	73	68	77	72	69	75	71	68	74	71	68	67	
8	83	75	69	66	82														