SAME DAY



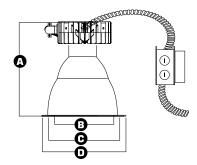
	INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS	
ĺ	120/277	50/60Hz	283mA/122mA	<20%	>0.9	34W(+/-5%)	1500	
	120/277	50/60Hz	180mA/76mA	<20%	>0.9	21W(+/-5%)	1100	
	120/277 50/60Hz		133mA/57mA	<20%	>0.9	16W(+/-5%)	800	



13 Trim Aperture = 5"

G Cut-out = 5-1/2"

Trim Outside Dia. = 6-3/8"



DESCRIPTION - 5" LED dedicated Architectural Retrofit Downlight with integral LED heat management casting and driver. Available in 800 lumens, 1100 & 1500 lumens. Lighting is smooth and comfortable while using 50% less energy than the common 26W & 32W CFL downlight. Plus the eco-friendly MAXILUME LED system features 70% lumen maintenance at 50,000hrs of life, with 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 5-1/2" 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. 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 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, 1100 lumens & 1500 lumens.

PERFORMANCE - Operating system delivers 800, 1100 & 1500 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 cooLED 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 50,000hrs 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), 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%.

Example: HVJ5-LED-1100L-DIM10-120-MD-30K-LED-5101-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.

INSTALLATION - The installation time is less than 10 minutes.

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) **ELD010** (EldoLed 0-10V 1% Dimming up to 3000 lumens only, consult factory for the EldoLed driver options)

DIMTR (Triac & Electronic Low Voltage Dimming)

LED Driver options:

OPTOTRONIC OSRAM
Dimmable LED Power Supplies

LUTRON



TYPE	800L SERIES	1100L SERIES	1500L SERIES	VOLTAGE	OPTICS	CCT	CRI	EMERGENCY	TRIM TYPE		REFLECTOR/RING FINISH	
HVJ5-LED	■ 800L-DIMTR*	☐ 1100L-DIMTR*	☐ 1500L-LUTH	□ 120	☐ MD (Medium)	□ 27K	□ 85+	☐ EMG-LED	□ LED-5101	□ LED-5112	□ CL-WH	□ BLUE
	□ 800L-LUTH	☐ 1100L-LUTH	☐ 1500L-DIM10	□ 277	, ,	□ 30K	□ 90+		☐ LED-5102	☐ LED-5113	☐ CL-SCH	□ RED
	□ 800L-DIM10	☐ 1100L-DIM10	□ 1500L-ELD010	□ 347		□ 35K	□ 98+**	output of the fixture is up	☐ LED-5107	☐ LED-5114	□ SHZ-SHZ	☐ GREEN
	□ 800L-ELD010	☐ 1100L-ELD010				□ 40K		to 1000L in	☐ LED-5109	☐ LED-5115	☐ SHZ-WH	☐ FROST
						□ 50K		emergency	☐ LED-5110	□ LED-5121	□ W-WH	□ AL
						(85+CRI only)		mode. Contact the factory for	☐ LED-5128	□ LED-5122	☐ MB-WH	□ BZ
								details.	☐ LED-5123	☐ LED-5125	□ WT-WH	□ WH

** 98+ CRI is available in 27K, 30K and 40K only



I

LED

5"



EXAMPLE: LED-5101-CL-WH LED-5101 - REFLECTOR REFLECTOR/RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH





EXAMPLE: LED-5102-CL-WH LED-5102 - BAFFLE W/ REFLECTOR **BAFFLE/ RING FINISH:** W-CL-WH P-CL-WH



B= 6-3/8' C= 1"



EXAMPLE: LED-5107-CL-WH **LED-5107** - WALL WASH REFLECTOR REFLECTOR/RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



EXAMPLE: LED-5112-CL-WH

W-WH P-WH

LED-5112 - BAFFLE W/ FROSTED GLASS LENS BAFFLE/ RING FINISH:







EXAMPLE: LED-5114-CL-WH LED-5114 - REFLECTOR W/ FROSTED GLASS LENS REFLECTOR/RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH





EXAMPLE: LED-5113-CL-WH LED-5113 - BAFFLE W/ TEMPERED CLEAR GLASS BAFFLE/ RING FINISH: W-WH P-WH



A= 7" **B**= 6-3/8" **C**= 1"





EXAMPLE: LED-5115-CL-WH LED-5115 - REFLECTOR W/ TEMPERED CLEAR GLASS

REFLECTOR/RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7" **B**= 6-3/8" **C**= 1"



EXAMPLE: LED-5125-CL-WH LED-5125 - CENTRAL ETCHED FLOAT GLASS

REFLECTOR/RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH





EXAMPLE: LED-5109-CL-WH LED-5109 - 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" **B**= 6-3/8" **C**= 1"



EXAMPLE: LED-5110-CL-WH LED-5110 - DOUBLE RING GLASS REFLECTOR/RING FINISH:

CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH ${\bf GLASS\ FINISH:}$

BLUE, RED, GREEN, FROST



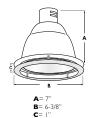
A= 7" **B**= 6-3/8"



EXAMPLE: LED-5128-CL-WH-AL LED-5128 - 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

HVJ5-LED-1500L-DIM10-120-MD-40K-LED-5101-SHZ-SHZ

TEST NO.: **EL-091398** SPACING CRITERIA: 0.76

90

Candela Tabulation

1774.96 1685.84

1320.59 771.74 339.14

183.52 85.76 45.88 20.00 8.12

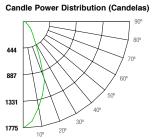
2.18

TEST NO.: **EL-101339**

0%

10%

INPUT WATTS: 35 LUMENS: **1301**



110.9

12.3

6.9

4.4

3.4' 6.9

13.8

13.8

17.2

4.0

12.0

16.0

20.0

Zonai Lumens Summary													
Zone	Lumens	%Lamp	%Fixt										
0-20	515.29	N.A.	39.60										
0-30	849.25	N.A.	65.30										
0-40	1038.39	N.A.	79.80										
0-60	1235.38	N.A.	95.00										
0-80	1294.55	N.A.	99.50										
0-90	1301.07	N.A.	100.00										

CRI: 85+

Lumina	nce (Avera	age cande	Lumens Per Zone					
Angle	Average	Average	Average	Zone	Lumens			
Degrees	0°	45°	90°	0-10	154.88			
45	01110	10010	47440	10-20	360.41			
45	21140	18340	17146	20-30	333.96			
55	12179	11018	9107	9107	9107	30-40	189.14	
65	8843	7185	6459	40-50	126.22			
75	6294	4935	4390	50-60	70.77			
85	7589	5617	2252	60-70	40.06			
				70-80	19.11			
				80-90	6.52			

CCT: 4000K

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

	RC 80%			70%	70%			50%	50% 30%			% 10%					0%		
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0 1 2 3 4 5 6 7 8 9	119 113 106 100 95 90 85 81 77 73 70	119 109 101 93 86 81 75 71 67 63 60	119 107 96 88 80 74 69 64 60 57 54	119 104 92 83 76 70 64 60 56 53 50	116 110 104 98 93 88 83 79 75 72 69	116 107 99 92 85 80 75 70 66 63 59	116 105 95 87 80 74 69 64 60 57 53	116 102 91 82 75 69 64 60 56 53 50	111 103 96 89 83 78 73 69 65 62 58	111 101 92 85 78 73 68 63 60 56 53	111 99 89 81 74 69 64 59 56 52 49	106 99 93 87 81 76 72 68 64 61 58	106 98 90 83 77 72 67 63 59 56 53	106 96 87 80 73 68 63 59 55 52 49	102 96 90 84 79 74 70 66 63 60 57	102 95 88 81 76 70 66 62 58 55	102 93 86 79 73 67 63 59 55 52 49	100 92 84 77 71 66 61 57 54 51

RC - Ceiling Cavity Reflectance

Zonal Lumens Summary

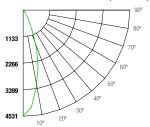
RW - Wall Reflectance

HVJ5-LED-1500L-DIM10-120-MD-40K-LED-5101-CL-WH

INPUT WATTS: 35 LUMENS: 1692 CRI: 85+ EFFICACY: 48 CCT: 4000K SPACING CRITERIA: 0.56

EFFICACY: 37

Candle Power Distribution (Candelas)



Zone	Lumens	%Lamp	%Fixt
0-20	1034.06	N.A.	61.10
0-30	1471.03	N.A.	86.90
0-40	1613.13	N.A.	95.30
0-60	1683.92	N.A.	99.50
0-80	1690.11	N.A.	99.90
0-90	1691.94	N.A.	100.00

Lumina	nce (Avera	age cande	ela/M²)	Lumens Pe	er Zone	Candela Tabulation			
Angle in Degrees	Average 0°	Average 45°	Average 90°	Zone 0-10 10-20	Lumens 363.55 670.50	0 5	Q 4531.35 4065.97		
45 55 65 75 85	12165 2620 1569 1013 3439	8054 2548 730 774 2869	6827 1004 544 384 280	20-30 30-40 40-50 50-60 60-70 70-80 80-90	436.98 142.10 57.18 13.61 4.24 1.95 1.83	15 25 35 45 55 65 75 85	2445.03 991.14 269.61 105.61 18.45 8.14 3.22 3.68		
						90	3.91		

Coefficients of Utilization - Zonal Cavity Method 80%

Effective Floor Cavity Reflectance 0.20

Cone of Light											
4.0	283.2	2.3'									
8.0	70.8	4.7'									
12.0	31.5	7.0'									
16.0	17.7	9.3'									
20.0	11.3	11.7'									
Distance to Plane	Initial Footcandle at Nadir	Beam diameter									
REAM DIA ME	ASURED AT 50% OF	NADIR F.C.									

				00 / 0			70,0				00 / 0			,0					
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	509	6 30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO	0 1 2 3 4 5 6 7 8 9	119 114 110 105 101 97 93 90 87 83 81	119 112 105 100 95 90 86 82 79 75 73	119 110 102 95 90 85 81 77 74 71 68	119 108 99 92 86 82 77 74 70 67	116 112 108 103 99 96 92 89 85 83 80	116 110 104 98 94 89 85 81 78 75 72	116 108 101 95 89 85 80 77 73 70 67	116 106 98 91 86 81 77 73 70 67 64	111 106 101 96 92 87 84 80 77 74 71	111 104 98 93 88 84 80 76 73 70 67	111 103 96 90 85 80 77 73 70 67 64	106 102 98 94 90 86 82 79 76 73 71	106 101 96 91 86 82 79 75 72 69	106 100 94 89 84 80 76 73 70 67	102 99 95 91 88 84 81 78 75 73 70	102 98 93 89 85 81 78 75 72 69 66	102 97 92 87 83 79 76 72 69 66 64	100 95 90 86 82 78 74 71 68 65

50%

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

70%

