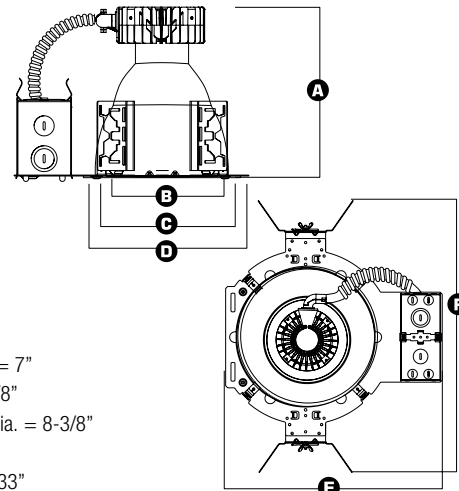


HV7-LED 7" ARCHITECTURAL LED DOWNLIGHT



**1500
LUMENS**

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	INPUT POWER	LUMENS
120/277	50/60Hz	283mA/123mA	<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



- A** Height = 9"
- B** Trim Aperture = 7"
- C** Cut-out = 7-5/8"
- D** Trim Outside Dia. = 8-3/8"
- E** Width = 16"
- F** Length = 20"-33"

DESCRIPTION - 7" LED dedicated Architectural New Construction Downlight with integral LED heat management casting and driver (installed on junction box). Available in 800 lumens, 1100 lumens & 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).

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 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 50,000hrs 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: **HV7-LED-1100L-DIM10-120-MD-30K-LED-7101-CL-WH**

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. Can be installed with 3/4" or 1-1/2" lathing channel, 1/2" EMT, or with optional C-channel mounting bars (Part# BP31) ordered separately. Housing can be adjusted from the inside of the ceiling.

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)

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 Damp location.

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

LED Driver options:



TYPE	800L SERIES	1100L SERIES	1500L SERIES	VOLTAGE	OPTICS	CCT	CRI	EMERGENCY	TRIM TYPE	REFLECTOR/RING FINISH	DISC	
HV7-LED	☐ 800L-DIMTR* ☐ 800L-LUTH ☐ 800L-DIM10 ☐ 800L-ELDO10	☐ 1100L-DIMTR* ☐ 1100L-LUTH ☐ 1100L-DIM10 ☐ 1100L-ELDO10	☐ 1500L-LUTH ☐ 1500L-DIM10 ☐ 1500L-ELDO10	☐ 120 ☐ 277 ☐ 347	☐ MD (Medium)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+CRI only)	☐ 85+ ☐ 90+ ☐ 98+**	☐ EMG-LED Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details.	☐ LED-7101 ☐ LED-7102 ☐ LED-7107 ☐ LED-7109 ☐ LED-7110 ☐ LED-7128 ☐ LED-7123	☐ LED-7112 ☐ LED-7113 ☐ LED-7114 ☐ LED-7115 ☐ LED-7121 ☐ LED-7122 ☐ LED-7125	☐ CL-WH ☐ CL-SCH ☐ SHZ-SHZ ☐ SHZ-WH ☐ W-WH ☐ MB-WH ☐ WT-WH	☐ BLUE ☐ RED ☐ GREEN ☐ FROST ☐ AL ☐ BZ ☐ WH

* DIMTR option only available in 120 Volt.

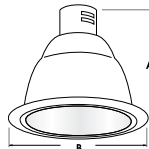
** 98+ CRI is available in 27K, 30K and 40K only



EXAMPLE: LED-7101-CL-WH
LED-7101 - REFLECTOR

REFLECTOR/RING FINISH:

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



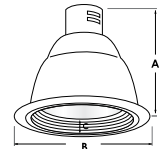
A= 7-7/8"
B= 8-3/8"



EXAMPLE: LED-7102-CL-WH
LED-7102 - BAFFLE W/ REFLECTOR

BAFFLE/ RING FINISH:

W-CL-WH P-CL-WH



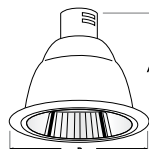
A= 7-7/8"
B= 8-3/8"
C= 1"



EXAMPLE: LED-7107-CL-WH
LED-7107 - WALL WASH REFLECTOR

REFLECTOR/RING FINISH:

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



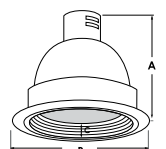
A= 7-7/8"
B= 8-3/8"



EXAMPLE: LED-7112-CL-WH
LED-7112 - BAFFLE W/ FROSTED GLASS LENS

BAFFLE/ RING FINISH:

W-WH P-WH



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

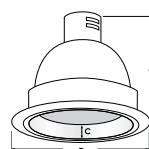
FOR
WET
LOCATION



EXAMPLE: LED-7114-CL-WH
LED-7114 - REFLECTOR W/ FROSTED GLASS LENS

REFLECTOR/RING FINISH:

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



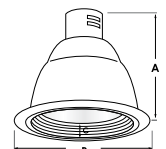
A= 7-7/8"
B= 8-3/8"
C= 1"



EXAMPLE: LED-7113-CL-WH
LED-7113 - BAFFLE W/ TEMPERED CLEAR GLASS

BAFFLE/ RING FINISH:

W-WH P-WH



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

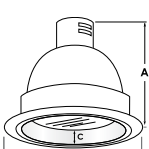
FOR
WET
LOCATION



EXAMPLE: LED-7115-CL-WH
LED-7115 - REFLECTOR W/ TEMPERED CLEAR GLASS

REFLECTOR/RING FINISH:

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



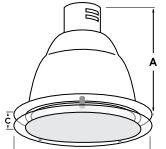
A= 7-7/8"
B= 8-3/8"
C= 1"



EXAMPLE: LED-7125-CL-WH
LED-7125 - CENTRAL ETCHED FLOAT GLASS

REFLECTOR/RING FINISH:

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



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

FOR
WET
LOCATION



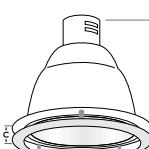
EXAMPLE: LED-7109-CL-WH
LED-7109 - DECO GLASS REFLECTOR

REFLECTOR/RING FINISH:

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

GLASS FINISH:

BLUE, RED, GREEN, FROST



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



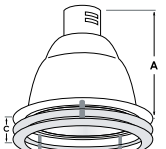
EXAMPLE: LED-7110-CL-WH
LED-7110 - DOUBLE RING GLASS

REFLECTOR/RING FINISH:

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

GLASS FINISH:

BLUE, RED, GREEN, FROST



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



ALUMINIUM
DISC

EXAMPLE: LED-7128-CL-WH-AL
LED-7128 - DECO GLASS REFLECTOR WITH ALUMINIUM DISC

REFLECTOR FINISH:

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

DISC FINISH:

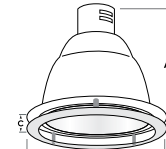
AL, WH, BZ



LED-7128-CL-WH-AL



LED-7128-CL-WH-BZ



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

HV7-LED-1500L-DIM10-120-MD-85-40K-LED-7101-SHZ-SHZ

INPUT WATTS: 35

LUMENS: 1685

CRI: 85+

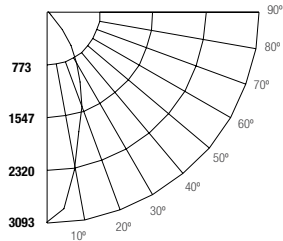
EFFICACY: 48.2

CCT: 4000K

TEST NO.: EL-091392

SPACING CRITERIA: 0.76

Candle Power Distribution (Candelas)



Cone of Light		
4.0	181.8	2.8'
8.0	45.5	5.6'
12.0	20.2	8.5'
16.0	11.4	11.3'
20.0	7.3	14.1'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter
BEAM DIA. MEASURED AT 50% OF NADIR F.C.		

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	756.82	45.40	44.90
0-30	1253.69	75.30	74.40
0-40	1525.00	91.60	90.50
0-60	1665.8	100.00	98.80
0-80	1683.18	101.10	99.90
0-90	1685.25	101.20	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	20273	7874	4435
55	4851	3331	1479
65	2810	1411	730
75	1211	863	443
85	1826	1233	285

Lumens Per Zone

Zone	Lumens
0-10	245.66
10-20	511.15
20-30	496.87
30-40	271.31
40-50	108.58
50-60	32.21
60-70	12.76
70-80	4.62
80-90	2.07

Candela Tabulation

Q	
0	2908
5	3093
15	2360
25	1486
35	880
45	352
55	68
65	29
75	7
85	3
90	2

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%					70%					50%					30%					10%					0%				
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM CAVITY RATIO	0	120	120	120	120	118	118	118	118	112	112	112	108	108	108	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
1	115	112	110	107	107	112	110	108	106	106	106	104	103	102	101	99	99	98	97	95	95	95	95	95	95	95	95	95	95	95
2	109	105	101	97	107	103	99	96	96	100	97	94	94	97	94	92	94	92	90	88	88	88	88	88	88	88	88	88	88	88
3	104	98	93	89	102	96	92	88	88	94	90	87	87	91	88	85	89	86	84	83	83	83	83	83	83	83	83	83	83	83
4	99	92	86	82	97	91	85	82	88	88	84	81	81	86	83	80	84	81	79	77	77	77	77	77	77	77	77	77	77	77
5	94	86	80	76	93	85	80	76	83	79	75	75	75	82	78	75	80	77	74	72	72	72	72	72	72	72	72	72	72	72
6	90	81	75	71	88	80	75	71	79	74	70	70	70	78	73	70	76	72	70	68	68	68	68	68	68	68	68	68	68	68
7	86	77	71	67	84	76	71	67	75	70	66	66	66	74	69	66	72	69	66	64	64	64	64	64	64	64	64	64	64	64
8	82	73	67	63	81	72	67	63	71	66	62	62	62	70	65	62	69	65	62	61	61	61	61	61	61	61	61	61	61	61
9	78	69	63	59	77	68	63	59	68	63	59	59	59	67	62	59	66	62	59	57	57	57	57	57	57	57	57	57	57	57
10	75	66	60	56	74	65	60	56	64	59	56	56	56	64	59	56	63	59	56	54	54	54	54	54	54	54	54	54	54	54

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

HV7-LED-1100L-DIM10-120-MD-85-40K-LED-7101-SHZ-SHZ

INPUT WATTS: 21.6

LUMENS: 1192

CRI: 85+

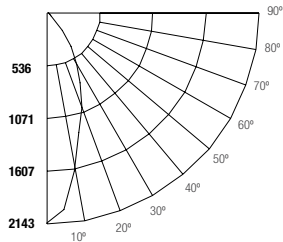
EFFICACY: 55.2

CCT: 4000K

TEST NO.: EL-091393

SPACING CRITERIA: 0.74

Candle Power Distribution (Candelas)



Cone of Light		
4.0	128.0	2.8'
8.0	32.0	5.7'
12.0	14.2	8.5'
16.0	8.0	11.4'
20.0	5.1	14.2'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter
BEAM DIA. MEASURED AT 50% OF NADIR F.C.		

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	531.27	45.10	44.60
0-30	883.33	75.00	74.10
0-40	1078.03	91.50	90.50
0-60	1177.77	100.00	98.80
0-80	1190.19	101.10	99.90
0-90	1191.8	101.20	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13947	4980	3076
55	3058	2076	999
65	1779	902	499
75	819	593	302
85	1550	1074	191

Lumens Per Zone

Zone	Lumens
0-10	172.98
10-20	358.29
20-30	352.06
30-40	194.71
40-50	77.03
50-60	22.71
60-70	9.04
70-80	3.37
80-90	1.62

Candela Tabulation

Q	
0	2047
5	2142
15	1595
25	1011
35	616
45	242
55	43
65	18
75	5
85	3
90	2

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	80%					70%					50%					30%					10%					0%				
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM CAVITY RATIO	0	120	120	120	120	118	118	118	118	112	112	112	108	108	108	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
1	115	112	110	107	107	112	110	108	106	106	106	104	102	102	101	99	99	98	97	95	95	95	95	95	95	95	95	95	95	95
2	109	105	101	97	107	103	99	96	96	100	97	94	94	97	94	92	94	92	90	88	88	88	88	88	88	88	88	88	88	88
3	104	98	93	89	102	96	92	88	88	94	90	87	87	91	88	85	89	86	84	83	83	83	83	83	83	83	83	83	83	83
4	99	92	86	82	97	90	85	81	88	84	81	81	81	86	83	80	84	81	79	77	77	77	77	77	77	77	77	77	77	77
5	94	86	80	76	93	85	80	76	83	79	75	75	75	82	78	74	80	77	74	72	72	72	72	72	72	72	72	72	72	72
6	90	81	75	71	88	80	75	71	79	74	70	70	70	78	73	70	76	72	69	68	68	68	68	68	68	68	68	68	68	68
7	86	77	71	67	84	76	71	67	75	70	66	66	66	74	69	66	72	69	66	64	64	64	64	64	64	64	64	64	64	64
8	82	73	67	63	81	72	67	63	71	66	62	62	62	70	65	62	69	65	62	61	61	61	61	61	61	61	61	61	61	61
9	78	69	63	59	77	68	63	59	68	63	59	59	59	67	62	59	66	62	59	57	57	57	57	57	57	57	57	57	57	57
10	75	66	60	56	74	65	60	56	64	59	56	56	56	64	59	56	63	59	56	54	54	54	54	54	54	54	54	54	54	54

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

HV7-LED-800L-DIM10-120-MD-85-40K-LED-7101-SHZ-SHZ

INPUT WATTS: 21.5

LUMENS: 1089

CRI: 85+

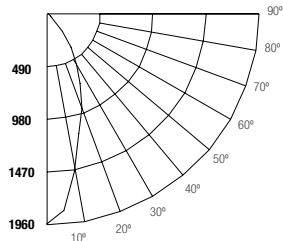
EFFICACY: 50.6

CCT: 4000K

TEST NO.: EL-091393

SPACING CRITERIA: 0.74

Candle Power Distribution (Candelas)



Cone of Light		
4.0	117.3	2.9'
8.0	29.3	5.7'
12.0	13.0	8.6'
16.0	7.3	11.5'
20.0	4.7	14.3'
Distance to Plane	Initial Footcandle at Nadir	Beam diameter
BEAM DIA. MEASURED AT 50% OF NADIR F.C.		

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	485.96	45.20	44.60
0-30	807.57	75.10	74.20
0-40	984.57	91.50	90.40
0-60	1075.85	100.00	98.80
0-80	1087.23	101.10	99.90
0-90	1088.63	101.20	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°</
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