

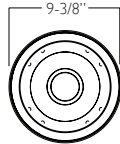
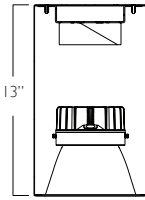
# SCH8-LED 8" ARCHITECTURAL CYLINDER LED DOWNLIGHT

**MAXILUME**

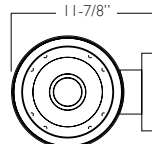
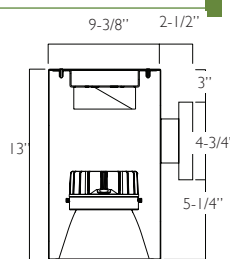
**NEW**



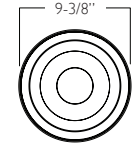
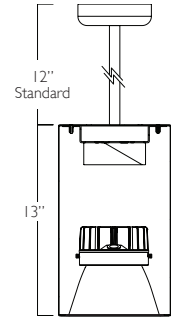
SCH8-LED-CM



SCH8-LED-WM



SCH8-LED-PM



**3000 LUMENS**

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	333mA/144mA	40W(+/-5%)	<20%	>0.9	3000
120/277	50/60Hz	266mA/115mA	32W(+/-5%)	<20%	>0.9	2000
120/277	50/60Hz	200mA/86mA	24W(+/-5%)	<20%	>0.9	1200
120/277	50/60Hz	150mA/65mA	16W(+/-5%)	<20%	>0.9	900

**DESCRIPTION** - 8" LED Architectural Cylinder Downlight with integral LED heat management casting and driver (installed on junction box). Available in 900 lumens (16W), 1200 lumens (24W), 2000 lumens (32W) & 3000 lumens (40W). Lighting is smooth and comfortable while using 25% less energy than the common 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** - 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. Reflector offers a 55 degree cutoff and smooth frost acrylic diffuser distributes light even throughout the workplace.

**PERFORMANCE** - Operating system delivers 900 lumens (16W), 1200 lumens (24W), 2000 lumens (32W) & 3000 lumens (40W). All MAXILUME LED luminaires are rated at 85+ CRI. Our stringent chip specifications require only those Chips that produce no ultra violet and virtually no infrared. 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 (120-LUTH, 277-LUTH). Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). Consult Factory for details.

**BODY** - Post painted die-formed construction for maximum heat dissipation and rust protection. Matte white finish standard.

**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.

**MOUNTING BRACKET** - Ceiling mount bracket provided for direct installation with 3-1/4" to 4" octagonal and square junction box. Pendant mount option is available and supplied with 10-1/2" stem and 5" diameter canopy cover. Ideal for slope applications up to 45 degrees.

**OUR WORD** - The MAXILUME LED lighting system is warranted for 3 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**  
 DIM10 (0-10V Dimming)  
 LUTH (Lutron® Hi-lume® Dimming)  
 DIMTR (Triac & Electronic Low Voltage Dimming)

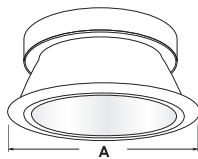
Example: SCH8-LED-CM-WH-900L-DIM10-120-FL-30K-HH8-8501-CL-WH

TYPE	FINISH	16 WATT	24 WATT	32 WATT	40 WATT	OPTICS	EMERGENCY	TRIM TYPE	REF/ RING	DISC
SCH8-LED	<input type="checkbox"/> WH-WHITE <input type="checkbox"/> BK-BLACK <input type="checkbox"/> BZ-BRONZE <input type="checkbox"/> SI-SILVER	<input type="checkbox"/> 900L-LUTH-120 <input type="checkbox"/> 900L-LUTH-277 <input type="checkbox"/> 900L-DIM10-120 <input type="checkbox"/> 900L-DIM10-277	<input type="checkbox"/> 1200L-LUTH-120 <input type="checkbox"/> 1200L-LUTH-277 <input type="checkbox"/> 1200L-DIM10-120 <input type="checkbox"/> 1200L-DIM10-277	<input type="checkbox"/> 2000L-LUTH-120 <input type="checkbox"/> 2000L-LUTH-277 <input type="checkbox"/> 2000L-DIM10-120 <input type="checkbox"/> 2000L-DIM10-277	<input type="checkbox"/> 3000L-LUTH-120 <input type="checkbox"/> 3000L-LUTH-277 <input type="checkbox"/> 3000L-DIM10-120 <input type="checkbox"/> 3000L-DIM10-277	<input type="checkbox"/> FL  <b>COLOR</b> <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K	<input type="checkbox"/> EMG-LED	<input type="checkbox"/> HH8-8501 <input type="checkbox"/> HH8-8507 <input type="checkbox"/> HH8-8509 <input type="checkbox"/> HH8-8511 <input type="checkbox"/> HH8-8525 <input type="checkbox"/> HH8-8528 <input type="checkbox"/> HH8-8577	<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
<b>MOUNTING</b>										
<input type="checkbox"/> CM-Ceiling Mount										
<input type="checkbox"/> WM-Wall Mount										
<input type="checkbox"/> PM12-12" Pendant Mount										
<input type="checkbox"/> PM18-18" Pendant Mount										
<input type="checkbox"/> PM24-24" Pendant Mount										
<input type="checkbox"/> PM36-36" Pendant Mount										
<input type="checkbox"/> PM48-48" Pendant Mount										

8 INCH ARCHITECTURAL CYLINDER LED DOWNLIGHT

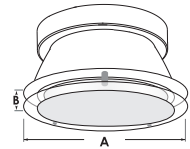
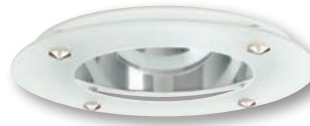


FOR  
**WET**  
LOCATION



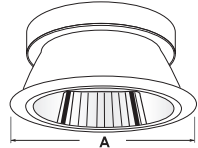
A= 9-1/4"

**EXAMPLE:** HH8-8501-CL-WH  
**HH8-8501** - REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/ RING FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



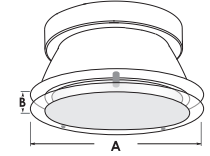
A= 9-1/4"  
B= 1"

**EXAMPLE:** HH8-8509-CL-WH  
**HH8-8509** - DECO GLASS REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/ RING FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**GLASS FINISH:**  
BLUE, RED, GREEN, FROST



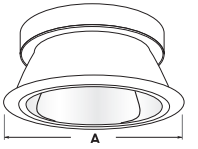
A= 9-1/4"

**EXAMPLE:** HH8-8507-CL-WH  
**HH8-8507** - WALL WASH REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/ RING FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



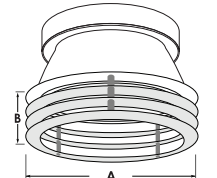
A= 9-1/4"  
B= 1"

**EXAMPLE:** HH8-8525-CL-WH  
**HH8-8525** - CENTRAL ETCHED FLOAT GLASS WITH DIFFUSE LENS  
**REFLECTOR/ RING FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 9-1/4"

**EXAMPLE:** HH8-8577-CL-WH  
**HH8-8577** - DOUBLE WALL WASH REFLECTOR WITH DIFFUSE LENS  
**REFLECTOR/ RING FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 9-1/4"  
B= 2-1/4"

**EXAMPLE:** HH8-8511-CL-WH  
**HH8-8511** - TRIPLE RING GLASS WITH DIFFUSE LENS  
**REFLECTOR/ RING FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**GLASS FINISH:**  
BLUE, RED, GREEN, FROST



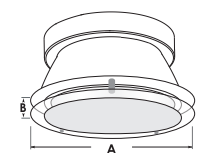
**ALUMINIUM  
DISC**



HH8-8528-CL-WH



HH8-8528-CL-WH-BZ



A= 9-1/4"  
B= 1-1/4"

**EXAMPLE:** HH8-8528-CL-WH-AL  
**HH8-8528** - REFLECTOR WITH ALUMINIUM DISC AND DIFFUSE LENS  
**REFLECTOR FINISH:**  
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH  
**DISC FINISH:**  
AL, WH, BZ

**SCH8-LED-1200L-DIM10-120-FL-40K-HH8-8501-CL-WH**

TEST NO.: **ELT-HH8-0018**

INPUT WATTS: **24**

LUMENS: **1226**

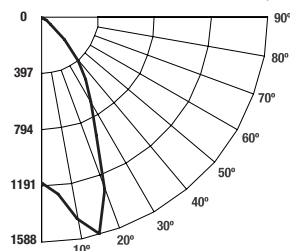
CRI: **85+**

EFFICACY: **64.18 LPW**

CCT: **4000K**

SPACING CRITERIA: **1.02**

**Candle Power Distribution Curve (Candela)**



Cone of Light		
Distance to Plane	Initial Footcandles at Nadir	Beam Diameter
2.0'	293.18	2.1'
4.0'	73.30	4.2'
6.0'	32.58	6.3'
8.0'	18.32	8.4'
10.0'	11.73	10.6'
12.0'	8.14	12.7'

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

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	977.3	63.5%	63.5%
0-40	1,313.5	85.3%	85.3%
0-60	1,523.9	99%	99%
0-90	1,539.0	100%	100%

**Luminance (Average Candela/M<sup>2</sup>)**

Angle In Degrees	Average		
	0°	45°	90°
45°	3724	3227	3751
55°	602	525	633
65°	193	143	185
75°	90	69	87
85°	24	16	18

**Lumens Per Zone**

Zone	Lumens
0-10	127.4
10-20	416.3
20-30	433.6
30-40	336.1
40-50	174.7
50-60	35.7
60-70	9.8
70-80	4.2
80-90	1.0

**Candela Distribution**

Candela	Q
0	1173
5	1259
15	1566
25	921
35	538
45	222
55	34
65	10
75	4
85	1
90	0

**Coefficients of Utilization - Zonal Cavity Method**

Effective Floor Cavity Reflectance 0.20

RCC	80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
RCR 0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	102	100	100		
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	97	96	94	93	97	96		
2	107	102	98	94	105	100	96	93	97	94	91	90	94	91	89	89	91	89	87	85	91	89		
3	101	94	89	85	99	93	88	84	90	86	83	82	88	84	81	81	86	83	80	79	86	83		
4	96	88	82	77	94	86	81	77	84	79	76	75	82	78	75	75	80	77	74	72	80	77		
5	90	81	75	71	89	80	75	70	79	74	70	70	77	73	69	69	75	72	68	67	75	72		
6	85	76	70	65	84	75	69	65	74	68	64	64	72	67	64	64	71	67	63	62	71	67		
7	81	71	65	60	79	70	64	60	69	64	60	60	68	63	59	59	67	62	59	58	67	62		
8	77	67	60	56	75	66	60	56	65	59	55	55	64	59	55	55	63	58	55	54	63	58		
9	73	63	56	52	72	62	56	52	61	56	52	52	60	55	52	52	59	55	51	50	59	55		
10	69	59	53	49	68	58	53	49	58	52	48	48	57	52	48	48	56	51	48	47	56	51		

RC - Ceiling Cavity Reflectance RW - Wall Reflectance