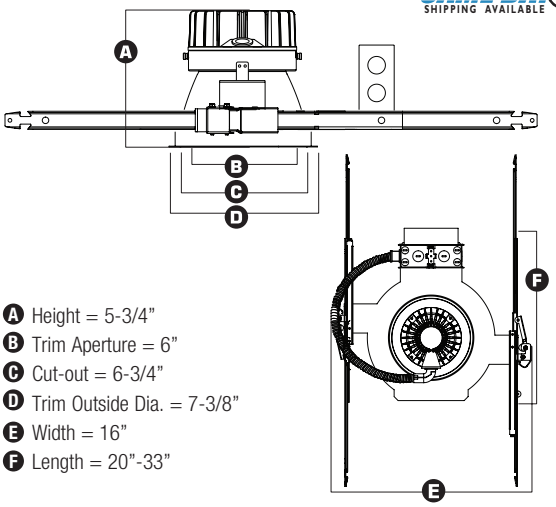
HH6-LED 6” ARCHITECTURAL HIGH LUMEN LED DOWNLIGHT

Catalog Number	HH6-LED
Project Name	Type

SAME DAY SHIPPING AVAILABLE

4000 LUMENS

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	THD	POWER FACTOR	WATTAGE	LUMENS
120/277	50/60Hz	408mA/177mA	<20%	>0.9	52(+/-5%)	4000
120/277	50/60Hz	333mA/144mA	<20%	>0.9	41(+/-5%)	3000
120/277	50/60Hz	266mA/115mA	<20%	>0.9	26(+/-5%)	2000
120/277	50/60Hz	266mA/115mA	<20%	>0.9	18(+/-5%)	1500
120/277	50/60Hz	166mA/72mA	<20%	>0.9	17(+/-5%)	1200
120/277	50/60Hz	125mA/54mA	<20%	>0.9	12(+/-5%)	900



- **A** Height = 5-3/4”
- **B** Trim Aperture = 6”
- **C** Cut-out = 6-3/4”
- **D** Trim Outside Dia. = 7-3/8”
- **E** Width = 16”
- **F** Length = 20”-33”

DESCRIPTION - 6” LED dedicated Architectural New Construction Downlight with integral LED heat management casting and driver (installed on junction box). Available in 900 lumens, 1200 lumens, 1500 lumens, 2000 lumens, 3000 lumens & 4000 lumens. ELITE’s eco-friendly MAXILUME LED system is Energy Star and California Title 24 compliant and features 70% lumen maintenance at 50,000hrs of life. Our lighting adds comfort to any environment while using 50% less energy than the common CFL downlight.

FEATURES - MAXILUME LED luminaires are ideally suited for use in hospitality, health care, commercial, academic institutions, retail and other architectural applications.

PROUDLY ASSEMBLED in AMERICA · c UL us LISTED · c ETL us Intertek · TITLE 24 · ENERGY STAR

OPTICS - MAXILUME LED Optilux technology combines unmatched performance with visual comfort. Spun 0.05” thick 1-step anodized 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 45-55 degree cutoff and smooth frost Solite diffuser distributes light even throughout the workplace in 3 different distribution; Wide (WD), Medium (MD) and Narrow (ND).

PERFORMANCE - Operating system delivers 900, 1200, 1500, 2000, 3000 & 4000 lumens. All MAXILUME LED luminaires are rated at 85+ and 90+ 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 reflector. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Our die-cast system pulls the heat form the LED chip, allowing continued cool operation for years. 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), Lutron® Hi-Lume A-Series (LUT2W-120) 2-Wire Forward Phase Control 1% Dimming in 120V only, 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%.

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

MOUNTING BRACKET - Constructed from 16 gauge steel and is supplied with C-channel that are adjustable up to 28”. Mounting bracket maybe adjusted up to 2-3/4” vertically from inside the housing.

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.

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)
LUT2W (Lutron® Hi-Lume A-Series 2-Wire Forward Phase Control 1% Dimming in 120V only and up to 3000 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 / c-ETL-us - listed for Wet Location if used with HH6-6501 Trim.
c-UL-us / c-ETL-us - listed for feed Through Wiring.
LM79 / LM80
U.S Patent No. - D685,118S
CP - City of Chicago environmental air (CCEA) marking for plenum applications.

LED Driver options:
OPTOTRONIC OSRAM Dimmable LED Power Supplies
LUTRON
PHILIPS ADVANCE Quality LED Drivers

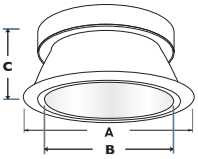
Example: **HH6-LED-900L-DIM10-120-MD-30K-HH6-6501-CL-WH**

HH6-LED

TYPE	LUMENS/DRIVER				VOLTAGE	OPTICS	CCT	CRI	EMERGENCY	TRIM TYPE		REFLECTOR/ RING FINISH	DISC
STANDARD	900L SERIES	1200L SERIES	1500L SERIES	2000L SERIES						NO DISC	WITH DISC		
HH6-LED	☐ 900L-DIM10 ☐ 900L-DIMTR [1] ☐ 900L-LUTH [2] ☐ 900L-LUT2W [1] ☐ 900L-ELDO10-.1 [2] ☐ 900L-ELDODALI -.1 [2] ☐ 900L-ELDODMX -.1 [2]	☐ 1200L-DIM10 ☐ 1200L-DIMTR [1] ☐ 1200L-LUTH [2] ☐ 1200L-LUT2W [1] ☐ 1200L-ELDO10-.1 [2] ☐ 1200L-ELDODALI -.1 [2] ☐ 1200L-ELDODMX -.1 [2]	☐ 1500L-DIM10 ☐ 1500L-DIMTR [1] ☐ 1500L-LUTH [2] ☐ 1500L-LUT2W [1] ☐ 1500L-ELDO10-.1 [2] ☐ 1500L-ELDODALI -.1 [2] ☐ 1500L-ELDODMX -.1 [2]	☐ 2000L-DIM10 ☐ 2000L-DIMTR [1] ☐ 2000L-LUTH [2] ☐ 2000L-LUT2W [1] ☐ 2000L-ELDO10-.1 [2] ☐ 2000L-ELDODALI -.1 [2] ☐ 2000L-ELDODMX -.1 [2]	☐ 120 ☐ 277 ☐ 347 (DIM10 only)	☐ WD (70°-75°) ☐ MD (55°-60°) ☐ ND (35°-40°)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K [3] (85+CRI only)	☐ 85+ ☐ 90+	☐ EMG-LED ☐ INTG-EMG-LED Typical lumen output of the fixture is up to 1000L in emergency mode. Contact the factory for details.	☐ HH6-6501 ☐ HH6-6507 ☐ HH6-6521 ☐ HH6-6522 ☐ HH6-6523 ☐ HH6-6525 ☐ HH6-6577	☐ HH6-6509 ☐ HH6-6510 ☐ HH6-6511 ☐ HH6-6528	☐ CL-WH ☐ CL-SCH ☐ SHZ-SHZ ☐ SHZ-WH ☐ W-WH ☐ MB-WH ☐ WT-WH	☐ BLUE ☐ RED ☐ GREEN ☐ FROST ☐ AL ☐ BZ ☐ WH
	3000L SERIES	4000L SERIES							OTHER OPTIONS			OPTIONS	
	☐ 3000L-DIM10 ☐ 3000L-LUTH [2] ☐ 3000L-LUT2W [1] ☐ 3000L-ELDO10-.1 [2] ☐ 3000L-ELDODALI -.1 [2] ☐ 3000L-ELDODMX -.1 [2]	☐ 4000L-DIM10 ☐ 4000L-LUTH [2] ☐ 4000L-ELDO10-.1 [2] ☐ 4000L-ELDODALI -.1 [2] ☐ 4000L-ELDODMX -.1 [2] ☐							☐ CP-CHICAGO-PLENUM			☐ INTG (Reflector shipped with pre-punched hole to accept INTG-EMG-LED)	

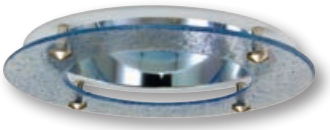
[1] **LUT2W** and **DIMTR** are available in 120V only [2] **LUTH, ELDO10-.1, ELDODALI -.1, and ELDODMX-.1** are available in 120V and 277V [3] **50K** series are available with 85+ CRI only

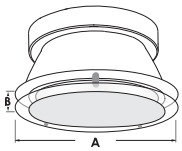
FOR WET LOCATION



A= 7-3/8”
B= 6”
C= 5-1/4”

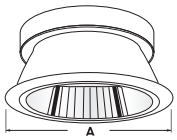
EXAMPLE: HH6-6501-CL-WH
HH6-6501 - REFLECTOR WITH DIFFUSE LENS
REFLECTOR/RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
PATENT NO. D685,118 S





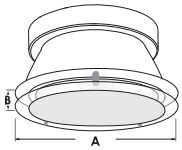
A= 7-1/4”
B= 1”

EXAMPLE: HH6-6521-CL-WH
HH6-6521 - STARDUST DECO RING GLASS WITH DIFFUSE LENS
REFLECTOR/RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



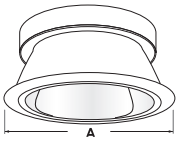
A= 7-1/4”

EXAMPLE: HH6-6507-CL-WH
HH6-6507 - WALL WASH REFLECTOR WITH DIFFUSE LENS
REFLECTOR/RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



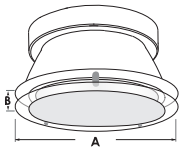
A= 7-1/4”
B= 1”

EXAMPLE: HH6-6523-CL-WH
HH6-6523 - PRISM DECO RING GLASS WITH DIFFUSE LENS
REFLECTOR/RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



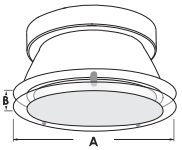
A= 7-1/4”

EXAMPLE: HH6-6577-CL-WH
HH6-6577 - DOUBLE WALL WASH REFLECTOR WITH DIFFUSE LENS
REFLECTOR/RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



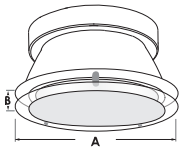
A= 7-1/4”
B= 1”

EXAMPLE: HH6-6522-CL-WH
HH6-6522 - EURO DECO RING GLASS WITH DIFFUSE LENS
REFLECTOR/RING FINISH:
CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



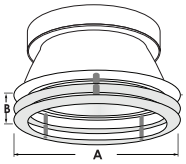
A= 7-1/4”
B= 1”

EXAMPLE: HH6-6509-CL-WH
HH6-6509 - 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



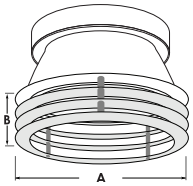
A= 7-1/4”
B= 1”

EXAMPLE: HH6-6525-CL-WH
HH6-6525 - 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= 7-1/4”
B= 1-7/8”

EXAMPLE: HH6-6510-CL-WH
HH6-6510 - DOUBLE 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



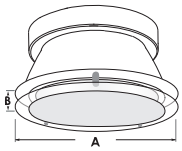
A= 7-1/4”
B= 2-3/4”

EXAMPLE: HH6-6511-CL-WH
HH6-6511 - 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

HH6-6528-CL-W-WH

HH6-6528-CL-WH-BZ



A= 7-1/4”
B= 1”

EXAMPLE: HH6-6528-CL-WH-AL
HH6-6528 - 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

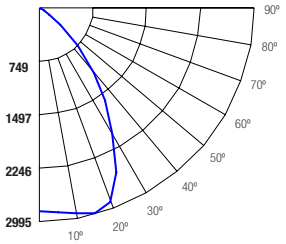
Due to the changes of constant improvement in LED technology, all details are subject to change without notice.
Consult factory for up to date information.

HH6-LED-4000L-DIM10-120-WD-40K-HH6-6501-CL-SCH

TEST NO.: **EL-041411**

INPUT WATTS: **52.6** LUMENS: **3939** CRI: **85+** EFFICACY: **75** CCT: **4000K** SPACING CRITERIA: **1.06**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	179	5.6 ft
8.0	44.6	11.2 ft
12.0	19.8	16.8 ft
16.0	11.2	22.4 ft
20.0	7.14	28.1 ft
24.0	4.96	33.7 ft
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	1098.19	N.A.	27.90
0-30	2196.83	N.A.	55.80
0-40	3142.83	N.A.	79.80
0-60	3880.33	N.A.	98.50
0-80	3935.35	N.A.	99.90
0-90	3939.12	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	63707	67183	57724
55	29587	25482	14435
65	14393	6182	1988
75	2156	1799	798
85	4556	3607	528

Lumens Per Zone

Zone	Lumens
0-10	276.83
10-20	821.36
20-30	1098.63
30-40	946.00
40-50	555.80
50-60	181.70
60-70	47.44
70-80	7.59
80-90	3.76

Candela Tabulation

	0
0	2856.55
5	2877.78
15	2979.51
25	2558.87
35	1645.34
45	867.38
55	266.87
65	47.70
75	8.50
85	5.74
90	5.19

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%	0%
ROOM CAVITY RATIO																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	80	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

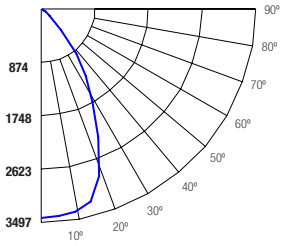
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

HH6-LED-4000L-DIM10-120-MD-40K-HH6-6501-CL-SCH

TEST NO.: **EL-041412**

INPUT WATTS: **52.7** LUMENS: **3616** CRI: **85+** EFFICACY: **69** CCT: **4000K** SPACING CRITERIA: **0.92**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	215	4.6 ft
8.0	53.7	9.2 ft
12.0	23.9	13.8 ft
16.0	13.4	18.5 ft
20.0	8.59	23.1 ft
24.0	5.96	27.7 ft
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	1219.25	N.A.	33.70
0-30	2250.75	N.A.	62.30
0-40	3061.47	N.A.	84.70
0-60	3578.9	N.A.	99.00
0-80	3612.17	N.A.	99.90
0-90	3615.6	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	48335	53500	37027
55	16283	16803	6958
65	8221	3697	1554
75	1879	1441	637
85	4317	3337	427

Lumens Per Zone

Zone	Lumens
0-10	327.60
10-20	891.65
20-30	1031.51
30-40	810.72
40-50	413.84
50-60	103.59
60-70	27.37
70-80	5.90
80-90	3.43

Candela Tabulation

	0
0	3435.59
5	3469.07
15	3262.46
25	2425.99
35	1423.97
45	624.04
55	170.53
65	63.44
75	8.88
85	6.87
90	5.86

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%	0%
ROOM CAVITY RATIO																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	67
6	85	76	69	65	84	75	69	64	73	68	64	72	67	64	70	66	63	62
7	81	71	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57
8	76	66	60	55	75	66	60	55	65	59	55	63	58	55	62	58	55	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

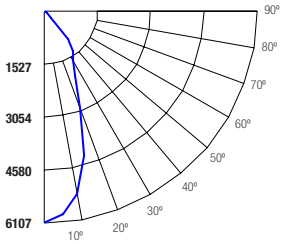
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

HH6-LED-4000L-DIM10-120-ND-40K-HH6-6501-CL-SCH

TEST NO.: **EL-041410**

INPUT WATTS: **52.7** LUMENS: **3873** CRI: **85+** EFFICACY: **73** CCT: **4000K** SPACING CRITERIA: **0.66**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	381	2.7 ft
8.0	95.2	5.5 ft
12.0	42.3	8.2 ft
16.0	23.8	11 ft
20.0	15.2	13.7 ft
24.0	10.6	16.5 ft
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	1676.34	N.A.	43.30
0-30	2643.37	N.A.	68.30
0-40	3442.9	N.A.	88.90
0-60	3844.88	N.A.	99.30
0-80	3869.01	N.A.	99.90
0-90	3872.86	N.A.	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	35858	54091	18754
55	5118	9770	3896
65	3135	3095	2009
75	1909	1367	618
85	5090	3789	421

Lumens Per Zone

Zone	Lumens
0-10	546.46
10-20	1129.89
20-30	967.02
30-40	799.53
40-50	343.21
50-60	58.78
60-70	18.56
70-80	5.58
80-90	3.85

Candela Tabulation

	0
0	6093.25
5	6107.24
15	4391.80
25	2345.11
35	1252.26
45	462.96
55	53.60
65	24.19
75	9.02
85	8.10
90	7.63

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%	0%
ROOM CAVITY RATIO																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	86	84	87	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

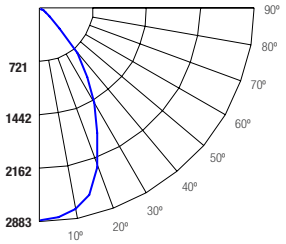
***RC** - Ceiling Cavity Reflectance* ***RW** - Wall Reflectance*

HH6-LED-3000L-MD-40K-CL-WH

TEST NO.: **EL0116150**

INPUT WATTS: **41.3** LUMENS: **3084** CRI: **85+** EFFICACY: **75** CCT: **4000K** SPACING CRITERIA: **0.94**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	180	4.8 ft
8.0	45.1	9.6 ft
12.0	20	14.3 ft
16.0	11.3	19.1 ft
20.0	7.21	23.9 ft
24.0	5.01	28.7 ft
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	992.00	32.40	32.20
0-30	1853.45	60.40	60.10
0-40	2564.82	83.60	83.20
0-60	3047.21	99.40	98.80
0-80	3082.51	100.50	99.90
0-90	3084.44	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	451	676	687
55	126	207	246
65	19	54	121
75	10	15	19
85	6	22	29

Lumens Per Zone

Zone	Lumens
0-10	270.76
10-20	721.23
20-30	861.45
30-40	711.37
40-50	374.72
50-60	107.67
60-70	29.89
70-80	5.41
80-90	1.94

Candela Tabulation

	0
0	2883.28
5	2850.70
15	2627.38
25	1868.79
35	1134.07
45	372.53
55	84.23
65	9.51
75	3.13
85	0.63
90	0.17

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	114	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	96	87	81	77	94	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	75	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

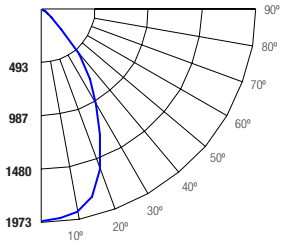
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-2000L-MD-40K-CL-WH

TEST NO.: **EL0116149**

INPUT WATTS: **26.2** LUMENS: **2141** CRI: **85+** EFFICACY: **82** CCT: **4000K** SPACING CRITERIA: **0.96**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	123	4.8 ft
8.0	30.8	9.7 ft
12.0	13.7	14.5 ft
16.0	7.71	19.3 ft
20.0	4.93	24.2 ft
24.0	3.43	29.0 ft
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	682.12	32.00	31.90
0-30	1279.74	60.10	59.80
0-40	1776.66	83.50	83.00
0-60	2114.47	99.40	98.80
0-80	2139.28	100.50	99.90
0-90	2140.63	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	310	429	432
55	85	128	141
65	13	31	70
75	7	10	12
85	4	15	19

Lumens Per Zone

Zone	Lumens
0-10	185.43
10-20	496.69
20-30	597.62
30-40	496.92
40-50	262.60
50-60	75.21
60-70	20.98
70-80	3.82
80-90	1.35

Candela Tabulation

	0
0	1973.03
5	1956.30
15	1810.61
25	1291.49
35	793.69
45	256.47
55	56.76
65	6.50
75	2.15
85	0.42
90	0.11

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	114	111	108	105	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	95	87	81	76	94	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	67	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	54	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	68	58	51	47	67	57	51	47	56	51	47	56	51	47	55	50	47	45

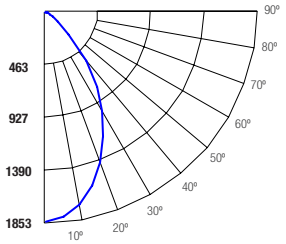
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-2000L-MD-40K-SHZ-SHZ

TEST NO.: **EL0116144**

INPUT WATTS: **26.2** LUMENS: **2099** CRI: **85+** EFFICACY: **80** CCT: **4000K** SPACING CRITERIA: **0.98**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	116	5.1 ft
8.0	29.0	10.2 ft
12.0	12.9	15.3 ft
16.0	7.24	20.4 ft
20.0	4.63	25.5 ft
24.0	3.22	30.6 ft
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	614.27	29.40	29.30
0-30	1178.95	56.50	56.20
0-40	1687.62	80.80	80.40
0-60	2061.92	98.80	98.20
0-80	2097.24	100.50	99.90
0-90	2099.29	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	340	516	503
55	107	173	208
65	25	53	107
75	13	17	23
85	8	20	30

Lumens Per Zone

Zone	Lumens
0-10	170.45
10-20	443.82
20-30	564.69
30-40	508.67
40-50	282.79
50-60	91.50
60-70	28.86
70-80	6.47
80-90	2.05

Candela Tabulation

	0
0	1853.35
5	1819.64
15	1587.78
25	1215.43
35	807.65
45	281.17
55	72.02
65	12.46
75	4.06
85	0.77
90	0.14

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	92
2	107	101	97	93	105	100	95	92	96	93	90	93	90	88	90	88	86	84
3	101	93	88	83	98	92	87	82	89	85	81	87	83	80	84	81	79	77
4	95	86	80	75	93	85	79	74	83	78	74	80	76	73	79	75	72	70
5	89	80	73	68	87	79	72	68	77	71	67	75	70	66	73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	61	70	65	61	68	64	61	59
7	79	69	62	57	78	68	61	57	66	61	57	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50
9	71	60	53	49	69	59	53	49	58	53	48	57	52	48	56	52	48	47
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43

RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

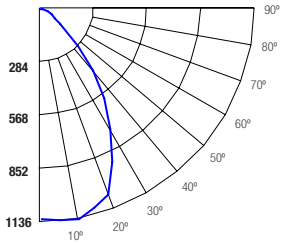
Due to the changes of constant improvement in LED technology, all details are subject to change without notice.
Consult factory for up to date information.

HH6-LED-1500L-WD-40K-CL-WH

TEST NO.: **EL0116140**

INPUT WATTS: **18.1** LUMENS: **1536** CRI: **85+** EFFICACY: **85** CCT: **4000K** SPACING CRITERIA: **1.06**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	70.1	6.0 ft
8.0	17.5	11.9 ft
12.0	7.79	17.9 ft
16.0	4.38	23.8 ft
20.0	2.81	29.8 ft
24.0	1.95	35.8 ft
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	417.89	27.30	27.20
0-30	841.42	55.00	54.80
0-40	1217.16	79.60	79.20
0-60	1512.81	98.90	98.50
0-80	1535.00	100.40	99.90
0-90	1535.98	100.40	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	319	383	399
55	76	137	184
65	10	28	88
75	5	8	10
85	3	11	14

Lumens Per Zone

Zone	Lumens
0-10	107.36
10-20	310.53
20-30	423.53
30-40	375.74
40-50	222.17
50-60	73.47
60-70	19.25
70-80	2.94
80-90	0.99

Candela Tabulation

	0
0	1122.32
5	1125.33
15	1120.79
25	936.60
35	594.39
45	263.54
55	50.91
65	4.90
75	1.63
85	0.31
90	0.09

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	98	97	97	95	94	92
2	107	101	96	93	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	100	93	87	82	98	91	86	82	89	84	80	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	87	78	72	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	68	63	60	58
7	78	68	61	56	77	67	60	56	66	60	55	64	59	55	63	58	55	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	55	48	44	54	48	44	53	47	44	52	47	44	42

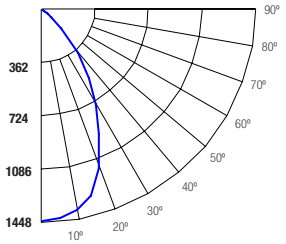
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-1500L-MD-40K-CL-WH

TEST NO.: **EL0116135**

INPUT WATTS: **18.1** LUMENS: **1579** CRI: **85+** EFFICACY: **87** CCT: **4000K** SPACING CRITERIA: **0.96**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	90.5	5.0 ft
8.0	22.6	9.9 ft
12.0	10.1	14.9 ft
16.0	5.66	19.8 ft
20.0	3.62	24.8 ft
24.0	2.51	29.7 ft
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	500.40	31.90	31.70
0-30	941.13	60.00	59.60
0-40	1309.37	83.40	82.90
0-60	1559.36	99.30	98.80
0-80	1577.59	100.50	99.90
0-90	1578.58	100.60	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	221	341	348
55	56	104	120
65	10	26	59
75	5	8	10
85	3	11	15

Lumens Per Zone

Zone	Lumens
0-10	136.06
10-20	364.34
20-30	440.73
30-40	368.24
40-50	194.58
50-60	55.40
60-70	15.42
70-80	2.80
80-90	0.99

Candela Tabulation

	0
0	1448.41
5	1430.88
15	1317.59
25	937.19
35	570.50
45	182.26
55	37.59
65	4.75
75	1.57
85	0.30
90	0.08

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	114	111	108	105	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	95	87	81	76	94	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	67	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56
8	76	65	59	54	75	65	59	54	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45

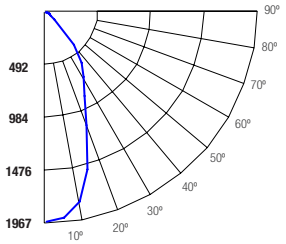
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-1500L-ND-40K-CL-WH

TEST NO.: **EL0116139**

INPUT WATTS: **18.1** LUMENS: **1580** CRI: **85+** EFFICACY: **87** CCT: **4000K** SPACING CRITERIA: **0.80**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	123	3.6 ft
8.0	30.7	7.1 ft
12.0	13.7	10.7 ft
16.0	7.68	14.2 ft
20.0	4.92	17.8 ft
24.0	3.42	21.3 ft
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	585.55	37.40	37.10
0-30	1004.28	64.10	63.60
0-40	1360.59	86.80	86.10
0-60	1564.83	99.90	99.10
0-80	1578.82	100.80	99.90
0-90	1579.79	100.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	124	339	283
55	45	66	64
65	10	24	34
75	5	8	9
85	3	11	15

Lumens Per Zone

Zone	Lumens
0-10	176.77
10-20	408.78
20-30	418.73
30-40	356.31
40-50	166.10
50-60	38.14
60-70	11.44
70-80	2.56
80-90	0.97

Candela Tabulation

	0
0	1967.34
5	1935.15
15	1529.01
25	863.20
35	581.65
45	102.85
55	30.17
65	4.71
75	1.55
85	0.29
90	0.06

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	114	111	109	106	112	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	90	86	100	94	89	85	92	87	84	89	86	83	87	84	81	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	76	82	78	75	74
5	92	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68
6	87	77	71	67	85	77	71	66	75	70	66	74	69	66	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	61	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	57	65	61	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	57	54	62	57	53	61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50	59	54	50	58	53	50	49

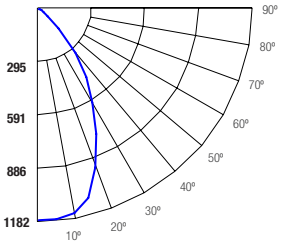
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-1200L-MD-40K-CL-WH

TEST NO.: **EL0116133**

INPUT WATTS: **16.8** LUMENS: **1279** CRI: **85+** EFFICACY: **76** CCT: **4000K** SPACING CRITERIA: **0.96**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	73.8	4.8 ft
8.0	18.4	9.6 ft
12.0	8.20	14.4 ft
16.0	4.61	19.2 ft
20.0	2.95	24.4 ft
24.0	2.05	28.8 ft
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	408.78	32.20	32.00
0-30	766.56	60.30	60.00
0-40	1063.45	83.70	83.20
0-60	1263.4	99.40	98.80
0-80	1277.81	100.50	99.90
0-90	1278.61	100.60	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	187	290	285
55	49	91	101
65	8	24	50
75	4	7	8
85	2	10	12

Lumens Per Zone

Zone	Lumens
0-10	111.08
10-20	297.70
20-30	357.78
30-40	296.89
40-50	156.13
50-60	43.82
60-70	12.16
70-80	2.25
80-90	0.81

Candela Tabulation

	0
0	1180.13
5	1181.99
15	1095.32
25	769.90
35	466.60
45	154.41
55	32.93
65	3.91
75	1.30
85	0.25
90	0.06

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	114	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	95	87	81	76	94	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	58	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	45

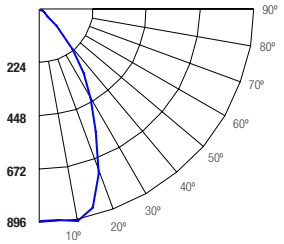
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-900L-MD-40K-CL-WH

TEST NO.: **EL0116115**

INPUT WATTS: **11.9** LUMENS: **943** CRI: **85+** EFFICACY: **79** CCT: **4000K** SPACING CRITERIA: **0.94**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	55.2	4.5 ft
8.0	13.8	9.1 ft
12.0	6.13	13.6 ft
16.0	3.45	18.2 ft
20.0	2.21	22.7 ft
24.0	1.53	27.3 ft
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	316.78	33.80	33.60
0-30	584.89	62.40	62.00
0-40	797.34	85.10	84.60
0-60	934.58	99.70	99.10
0-80	942.48	100.60	100.00
0-90	942.88	100.60	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	116	184	190
55	28	52	59
65	2	11	28
75	1	3	4
85	1	5	6

Lumens Per Zone

Zone	Lumens
0-10	84.45
10-20	232.32
20-30	268.11
30-40	212.45
40-50	108.93
50-60	28.32
60-70	6.93
70-80	0.96
80-90	0.40

Candela Tabulation

	0
0	883.24
5	883.79
15	856.23
25	560.59
35	323.04
45	95.51
55	18.73
65	1.17
75	0.38
85	0.07
90	0.03

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	102	98	94	105	101	97	93	97	94	91	94	92	89	92	89	87	86
3	102	95	89	85	100	93	88	84	91	86	83	88	85	82	86	83	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73
5	91	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	68	67
6	86	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	62	56	52	72	62	56	52	61	55	52	60	55	51	59	55	51	50
10	69	59	53	48	68	58	52	48	58	52	48	57	52	48	56	51	48	47

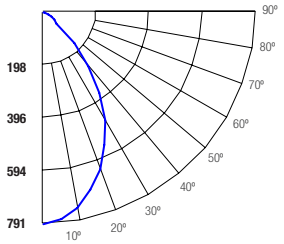
RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

HH6-LED-900L-MD-40K-SHZ-SHZ

TEST NO.: **EL0116117**

INPUT WATTS: **11.9** LUMENS: **881** CRI: **85+** EFFICACY: **74** CCT: **4000K** SPACING CRITERIA: **0.98**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	49.5	5.1 ft
8.0	12.4	10.2 ft
12.0	5.50	15.3 ft
16.0	3.09	20.4 ft
20.0	1.98	25.5 ft
24.0	1.37	30.6 ft
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	260.68	29.70	29.60
0-30	498.86	56.90	56.60
0-40	713.00	81.30	80.90
0-60	866.74	98.90	98.30
0-80	880.60	100.50	99.90
0-90	881.43	100.60	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0º	Average 45º	Average 90º
45	200	231	156
55	74	77	44
65	38	22	12
75	9	9	6
85	12	11	4

Lumens Per Zone

Zone	Lumens
0-10	72.63
10-20	188.06
20-30	238.18
30-40	214.13
40-50	117.30
50-60	36.44
60-70	11.29
70-80	2.57
80-90	0.84

Candela Tabulation

	0
0	791.42
5	777.25
15	684.27
25	546.05
35	366.35
45	165.62
55	49.80
65	18.88
75	2.68
85	1.20
90	0.45

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%	0%
ROOM CAVITY RATIO																		
0	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	101	97	93	105	100	96	92	96	93	90	93	90	88	90	88	86	84
3	101	93	88	83	99	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	64
6	84	74	67	62	82	73	67	62	72	66	62	70	65	61	69	64	61	59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55
8	75	64	58	53	73	64	57	53	62	57	53	61	56	52	60	56	52	51
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	48	47
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44

RC *- Ceiling Cavity Reflectance* ***RW*** *- Wall Reflectance*

Due to the changes of constant improvement in LED technology, all details are subject to change without notice.
Consult factory for up to date information.