

HLD5IC-AT

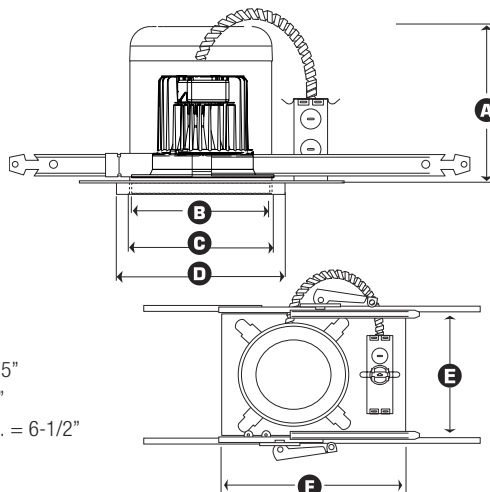
5" Architectural New Construction IC Housing with Front Loading LED Module



650
LUMENS

IC
RATED

SAME DAY
SHIPPING AVAILABLE



- A** Height = 7-1/2"
- B** Trim Aperture = 5"
- C** Cut-out = 5-3/4"
- D** Trim Outside Dia. = 6-1/2"
- E** Width = 7"
- F** Length = 10"

DESCRIPTION - 5" IC housing for use with RL500 LED series LED Module trims. Designed for new construction installations and suitable for use in insulation covered or NON-insulation covered ceilings. The HLD5IC-AT housing is engineered with a unique 'EZ-connect' wiring system, that when used with the LED Module trim, with California Title-24 (compliances pending). The unique EZ-connect system also meets other state and national regulatory mandates. LED Module connects effortlessly to housing, virtually eliminating mis-wiring and potential shock hazards.

Driver and LED engine can be easily accessed from below the ceiling, allowing for simple hassle free maintenance.

NOTE - Complete system includes HLD5IC-AT housing and LED Modules RL500 series trim. RL500 LED Module trims must be ordered separately.

SPECIFICATION

HOUSING - Die-formed aluminum and galvanized steel for maximum heat dissipation and rust protection. Housing adjusts vertically in plaster frame to accommodate 1/2" to 1-3/8" thick ceiling. Housing is IC rated for direct contact with insulation and can be used in IC and NON-IC applications. May be installed in 2" x 8" joist construction.

CONNECTION - Polarity-specific EZ-connect system engineered to match with MAXILUME LED Module trims. Meets strict code requirements where Edison Base Sockets have been banned.

MOUNTING BRACKET - Constructed from 16 gauge steel and is supplied with C-channels that are adjustable up to 28". Mounting brackets may be adjusted up to 2-3/4" vertically from inside the housing.

MAXILUME LED MODULE - HLD5IC-AT-DIMTR unique 'EZ-connect' wiring system is Title 24-2013 compliant when used with the RL500 series module. RL500 series modules are rated to last up to 50,000hrs as tested in accordance with LM-80 standards. Available lumen packages include up to 550 delivered lumens. Driver and LED Engine are found on the module itself. The MAXILUME LED system is fully dimmable down to 10% of initial light output with select Electronic Low Voltage dimmers when ordered with 120V housing only. Applications requiring 277V input will have a step down transformer installed on housing and are not dimmable. Consult Factory for details.

Example: **HLD5IC-AT-120-RL530-650L-DIMTR-120-30K-W-WH**

THERMAL PROTECTION - Standard thermal protection device guards against improper installation and misuse of insulation material.

JUNCTION BOX - UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs.

LISTING

c-UL-us listed for Damp location. Feed Through Wiring. Direct Contact w/ Insulation. LM79 / LM80

DIMMING INFORMATION

DIMTR (Triac & Electronic Low Voltage Dimming)



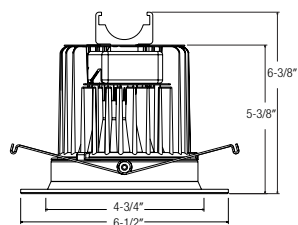
HOUSING TYPE

☐ **HLD5IC-AT-DIMTR-120** - Used For Triac Dimming Module

☐ **HLD5IC-AT-277** - Used For Non Dimming Module

TRIM TYPE	650L SERIES	CCT	CRI	FINISH	TRIM TYPE	650L SERIES	CCT	FINISH
RL530 (BAFFLE)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (CRI 85+ ONLY)	☐ 85+ ☐ 90+	☐ W-WH ☐ P-WH ☐ SN-SN ☐ CP-CP ☐ BZ-BZ ☐ P-BK	RL660 (BAFFLE)	☐ 650L-DIMTR-120	☐ 27K ☐ 30K ☐ 35K ☐ 40K	☐ W-WH ☐ CL-WH
TRIM TYPE	650L/900L SERIES				TRIM TYPE	650L SERIES		
RL511 (BAFFLE WALL WASH)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)				RL661 (REFLECTOR)	☐ 650L-DIMTR-120		
TRIM TYPE	650L/900L SERIES	CCT	CRI	FINISH	TRIM TYPE	750L SERIES	CCT	CRI
RL507 (REFLECTOR)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (CRI 85+ ONLY)	☐ 85+ ☐ 90+	☐ CL-WH ☐ W-WH ☐ BZ-BZ ☐ RG-WH ☐ MB-WH	RL625 (BAFFLE)	☐ 750L-DIMTR-120	☐ 30K	☐ 85+ ☐ 90+
TRIM TYPE	650L/900L SERIES							☐ W-WH
RL522 (REFLECTOR WALL WASH)	☐ 650L-DIMTR-120 ☐ 650L-277 (non dimmable)							

BAFFLE



Ordering Guide for Compatible Housing

RL530-650L-DIMTR-120	Page	RL530-650L-277 (Non Dimmable)	Page	RL530-900L-DIM10	Page	RL530-900L-277 (Non Dimmable)	Page
LD5IC-AT-DIMTR-120	332	LD5IC-AT-120	332	LD5-AT-DIM10-120	334	LD5-AT-277	334
LD5RIC-AT-DIMTR-120	333	LD5IC-AT-277	333	LD5-AT-DIM10-277	334	LD5R-AT-277	335
B5IC-AT	858	LD5-AT-277	334	HLD5-AT-DIM10-120	138	B5IC-AT	858
B5RIC-AT	858	LD5R-AT-277	335	HLD5R-AT-DIM10-120	139	B5RIC-AT	858
HLD5IC-AT-DIMTR-120	136	B5IC-AT	858	HLD5-AT-DIM10-277	138	HLD5-AT-277	138
HLD5RIC-AT-DIMTR-120	137	B5RIC-AT	858	HLD5R-AT-DIM10-277	139	HLD5R-AT-277	139
		HLD5IC-AT-277	136				
		HLD5RIC-AT-277	137				

RL530- A - B - C - D - E

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(D) CCT	(C) CRI	(E) FINISH
☐ 650L	☐ DIMTR-120 ☐ 277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI only)	☐ 85+ ☐ 90+	☐ W-WH ☐ SN-SN ☐ P-WH ☐ P-BK ☐ CP-CP ☐ BZ-BZ
☐ 900L	☐ DIMTR-120 ☐ DIM10-MVOLT ☐ 277 (non dimmable)			

LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle

See ordering chart for compatible housing on page 136, 137, 138 & 139

RL530- A - B - C - D -W-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier 1.0

RL530- A - B - C - D -P-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .75

RL530- A - B - C - D -SN-SN
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .92

RL530- A - B - C - D -CP-CP
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .87

RL530- A - B - C - D -P-BK
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .75

RL530- A - B - C - D -BZ-BZ
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)

Photometric Multiplier .85

BAFFLE WALL WASH



RL511- A - B - C - D - E

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(D) CCT	(C) CRI	(E) FINISH
☐ 650L	☐ DIMTR-120 ☐ 277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI only)	☐ 85+ ☐ 90+	☐ W-W-WH ☐ SN-SN-WH ☐ P-W-WH ☐ P-BK-WH ☐ CP-CP-WH ☐ BZ-BZ-WH
☐ 900L	☐ DIMTR-120 ☐ DIM10-MVOLT ☐ 277 (non dimmable)			

LED (Retrofit) Die-cast Aluminum Lensed Stepped Baffle Wall Wash

See ordering chart for compatible housing on page 136, 137, 138 & 139

REFLECTOR

RL507- (A) - (B) - (C) - (D) - (E)

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(D) CCT	(C) CRI	(E) FINISH
☐ 650L	☐ DIMTR-120 ☐ 277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI only)	☐ 85+ ☐ 90+	☐ W-WH ☐ CL-WH ☐ CL-CH ☐ SN-SN ☐ RG-W ☐ RG-PB ☐ MB-WH ☐ BZ-BZ
☐ 900L	☐ DIMTR-120 ☐ DIM10-MVOLT ☐ 277 (non dimmable)			

LED (Retrofit) Die-cast Aluminum Lensed Reflector

See ordering chart for compatible housing on page 136, 137, 138 & 139



RL507- (A) - (B) - (C) - (D) -MB-BK
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .77



RL507- (A) - (B) - (C) - (D) -CL-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier 1.0



RL507- (A) - (B) - (C) - (D) -BZ-BZ
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .87



RL507- (A) - (B) - (C) - (D) -MB-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .77



RL507- (A) - (B) - (C) - (D) -CL-CH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier 1.0



RL507- (A) - (B) - (C) - (D) -CP-CP
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .90



RL507- (A) - (B) - (C) - (D) -SN-SN
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .87



RL507- (A) - (B) - (C) - (D) -W-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .95



RL507- (A) - (B) - (C) - (D) -RG-PB
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .90



RL507- (A) - (B) - (C) - (D) -RG-WH
(WATTAGE) (VOLTAGE/DRIVER) (CCT) (CRI)
Photometric Multiplier .90

RL522- (A) - (B) - (C) - (D) - (E)

(A) LUMEN SERIES	(B) VOLTAGE/DRIVER	(D) CCT	(C) CRI	(E) FINISH
☐ 650L	☐ DIMTR-120 ☐ 277 (non dimmable)	☐ 27K ☐ 30K ☐ 35K ☐ 40K ☐ 50K (85+ CRI only)	☐ 85+ ☐ 90+	☐ W-W-WH ☐ CL-W-WH ☐ CL-CH-WH ☐ SN-SN-WH ☐ RG-W-WH ☐ RG-PB-WH ☐ MB-W-WH ☐ BZ-BZ-WH
☐ 900L	☐ DIMTR-120 ☐ DIM10-MVOLT ☐ 277 (non dimmable)			

LED (Retrofit) Die-cast Aluminum Lensed Reflector Wall Wash

See ordering chart for compatible housing on page 136, 137, 138 & 139

REFLECTOR WALL WASH



5 INCH ARCHITECTURAL LED MODULE

RL530-900L-DIMTR-120-85-40K-W-WH

INPUT WATTS: 16.8

LUMENS: 896

CRI: 85+

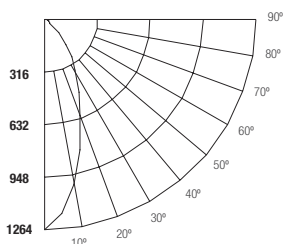
EFFICACY: 53.3

CCT: 4000K

TEST NO.: EL-0913108

SPACING CRITERIA: 0.72

Candle Power Distribution (Candelas)



Cone of Light		
4.0	79.0	3.0'
8.0	19.7	6.0'
12.0	8.8	9.0'
16.0	4.9	12.0'
20.0	3.2	15.0'
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	341.36	38.10	37.70
0-30	568.99	63.50	62.90
0-40	741.65	82.80	82.00
0-60	864.95	96.50	95.60
0-80	899.97	100.40	99.50
0-90	904.51	100.90	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13639	12916	9875
55	4804	5662	4490
65	4444	4159	4148
75	4280	3931	3817
85	5084	4439	299

Lumens Per Zone

Zone	Lumens
0-10	108.93
10-20	232.43
20-30	227.63
30-40	172.66
40-50	89.70
50-60	33.61
60-70	21.78
70-80	13.23
80-90	4.55

Candela Tabulation

0	0
0	1263
5	1170
15	811
25	487
35	276
45	118
55	33
65	23
75	13
85	5
90	1

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	103			
	1	114	111	108	105	111	108	106	104	104	102	100	99	97	97	97	96	94	93			
	2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	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	81	76	84	79	75	82	78	74	80	76	74	72			
	5	91	82	75	70	89	81	75	70	79	73	69	77	72	69	75	71	68	67			
	6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	63	62			
	7	81	71	65	60	80	71	65	60	69	64	60	68	63	60	67	63	59	58			
	8	77	67	61	56	76	67	61	56	66	60	56	64	59	56	63	59	56	54			
	9	74	63	57	53	73	63	57	53	62	57	53	61	56	52	60	56	52	51			
10	70	60	54	50	69	60	54	50	59	53	50	58	53	49	57	53	49	48				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL530-650L-DIMTR-120-85-40K-W-WH

INPUT WATTS: 13.8

LUMENS: 821

CRI: 85+

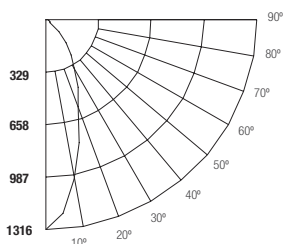
EFFICACY: 59.5

CCT: 4000K

TEST NO.: EL-0913107

SPACING CRITERIA: 0.68

Candle Power Distribution (Candelas)



Cone of Light		
4.0	82.3	2.6'
8.0	20.6	5.3'
12.0	9.1	7.9'
16.0	5.1	10.5'
20.0	3.3	13.2'
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	323.68	39.40	39.00
0-30	533.67	65.00	64.30
0-40	698.89	85.10	84.20
0-60	797.97	97.10	96.10
0-80	826.35	100.60	99.50
0-90	830.24	101.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	12733	9379	5388
55	3711	3847	3476
65	3421	3223	3224
75	3301	3226	3201
85	4065	3701	280

Lumens Per Zone

Zone	Lumens
0-10	108.63
10-20	215.05
20-30	209.99
30-40	165.21
40-50	73.20
50-60	25.89
60-70	17.39
70-80	10.98
80-90	3.89

Candela Tabulation

0	0
0	1316
5	1218
15	797
25	466
35	270
45	110
55	26
65	17
75	10
85	4
90	1

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	118	118	118	118	112	112	112	108	108	108	103	103	103	101	
	1	114	110	111	108	106	106	104	104	105	103	101	99	98	98	97	96	95	93	
	2	108	102	98	94	106	101	97	93	97	94	91	94	92	89	91	89	87	86	
	3	102	95	90	85	100	94	89	84	91	87	83	88	85	82	86	83	81	79	
	4	97	88	82	78	95	87	82	77	85	80	76	83	79	75	81	77	75	73	
	5	91	82	76	72	90	82	76	71	80	75	71	78	73	70	76	72	69	68	
	6	87	77	71	66	85	76	70	66	75	70	66	73	69	65	72	68	65	63	
	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	66	61	57	65	60	57	55	
	9	75	65	58	54	74	64	58	54	63	58	54	62	57	54	61	57	54	52	
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49		

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL530-900L-DIMTR-120-90-30K-W-WH

INPUT WATTS: 14.7

LUMENS: 663

CRI: 90+

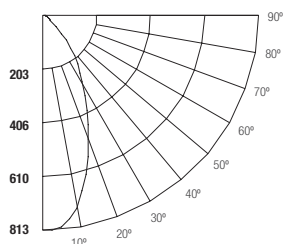
EFFICACY: 45

CCT: 3000K

TEST NO.: EL-101350

SPACING CRITERIA: 0.80

Candle Power Distribution (Candelas)



Cone of Light		
4.0	50.8	3.4'
8.0	12.7	6.8'
12.0	5.6	10.3'
16.0	3.2	13.7'
20.0	2.0	17.1'
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	230.93	34.90	34.80
0-30	400.62	60.50	60.40
0-40	534.81	80.70	80.60
0-60	632.53	95.50	95.40
0-80	659.70	99.60	99.50
0-90	663.29	100.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	11392	10967	8350
55	4172	4764	3607
65	3631	3236	3209
75	3210	3053	2870
85	3234	3009	280

Lumens Per Zone

Zone	Lumens
0-10	70.83
10-20	160.09
20-30	169.69
30-40	134.19
40-50	70.96
50-60	26.75
60-70	17.05
70-80	10.11
80-90	3.60

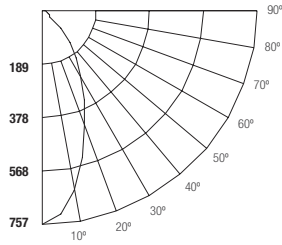
Candela Tabulation

0	0
0	812
5	804
15	621
25	396
35	227
45	98
55	29
65	18
75	10
85	3
90	0

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

RC	RW	80%				70%				50%
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RL530-650L-DIMTR-120-90-30K-W-WHTEST NO.: **EL-101349**INPUT WATTS: **12.6**LUMENS: **618**CRI: **90+**EFFICACY: **49**CCT: **3000K**SPACING CRITERIA: **0.78****Candle Power Distribution (Candelas)**

Cone of Light		
4.0	47.3	3.4'
8.0	11.8	6.8'
12.0	5.3	10.3'
16.0	3.0	13.7'
20.0	1.9	17.1'
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	215.71	35.20	34.90
0-30	373.34	60.90	60.50
0-40	497.83	81.30	80.60
0-60	588.95	96.10	95.40
0-80	614.18	100.20	99.50
0-90	617.53	100.80	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	10492	9446	6689
55	4000	4115	3077
65	3408	2937	2889
75	3040	2801	2694
85	3860	3449	252

Lumens Per Zone

Zone	Lumens
0-10	66.32
10-20	149.39
20-30	157.63
30-40	124.49
40-50	65.87
50-60	25.25
60-70	15.84
70-80	9.39
80-90	3.35

Candela Tabulation

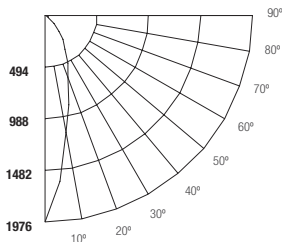
0	0
0	756
5	722
15	539
25	384
35	206
45	91
55	28
65	17
75	9
85	4
90	1

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	105	103	104	102	100	100	98	97	97	95	94	92			
	2	107	101	97	93	105	99	95	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	77	73	79	75	72	71			
	5	90	80	74	69	88	79	73	69	78	72	68	76	72	67	74	70	67	65			
	6	85	75	68	64	83	74	68	63	73	67	63	71	66	62	70	65	62	60			
	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	55	64	58	54	63	58	54	62	57	54	52			
	9	72	62	56	51	71	61	55	51	60	55	51	59	54	51	59	54	51	49			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL507-900L-DIM10-MVOLT-85-40K-W-WHTEST NO.: **EL-0913110**INPUT WATTS: **16.2**LUMENS: **916**CRI: **85+**EFFICACY: **56.5**CCT: **4000K**SPACING CRITERIA: **0.56****Candle Power Distribution (Candelas)**

Cone of Light		
4.0	123.5	2.0'
8.0	30.9	4.0'
12.0	13.7	6.1'
16.0	7.7	8.1'
20.0	4.9	10.1'
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	406.46	45.00	44.40
0-30	626.02	69.40	68.30
0-40	789.05	87.40	86.10
0-60	882.34	97.80	96.30
0-80	911.88	101.00	99.60
0-90	915.93	101.50	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13344	8983	4800
55	3789	3902	3570
65	3679	3473	3492
75	3717	3402	3364
85	4523	3906	243

Lumens Per Zone

Zone	Lumens
0-10	149.58
10-20	256.88
20-30	219.55
30-40	163.03
40-50	68.13
50-60	25.17
60-70	18.02
70-80	11.52
80-90	4.05

Candela Tabulation

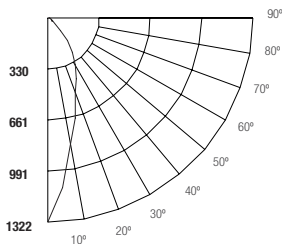
0	0
0	1976
5	1594
15	883
25	500
35	286
45	115
55	26
65	19
75	11
85	4
90	1

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	121	121	121	121	118	118	118	118	113	113	113	108	108	108	104	104	104	101			
	1	115	112	109	107	112	110	107	105	105	104	102	102	100	99	98	97	96	94			
	2	109	104	99	96	107	102	98	95	99	95	93	96	93	91	93	91	89	87			
	3	103	97	91	87	101	95	90	86	92	88	85	90	87	84	88	85	82	81			
	4	98	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75			
	5	93	85	79	74	92	84	78	74	82	77	73	80	76	73	78	75	72	70			
	6	89	80	74	69	87	79	73	69	77	72	68	76	71	68	75	71	68	66			
	7	85	75	69	65	83	75	69	65	73	68	64	72	67	64	71	67	64	62			
	8	81	71	65	61	80	71	65	61	70	64	61	69	64	60	68	63	60	59			
	9	77	68	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	56			
10	74	64	59	55	73	64	58	55	63	58	54	62	58	54	62	57	54	53				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

RL507-650L-DIMTR-120-85-40K-W-WHTEST NO.: **EL-0913109**INPUT WATTS: **13.6**LUMENS: **792**CRI: **85+**EFFICACY: **58.2**CCT: **4000K**SPACING CRITERIA: **0.66****Candle Power Distribution (Candelas)**

Cone of Light		
4.0	82.6	2.3'
8.0	20.6	4.6'
12.0	9.2	6.9'
16.0	5.2	9.2'
20.0	3.3	11.5'
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	288.35	36.80	36.40
0-30	488.10	62.30	61.60
0-40	652.55	83.30	82.40
0-60	756.97	96.70	95.60
0-80	787.98	100.60	99.50
0-90	791.97	101.10	100.00

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	13277	9931	6084
55	4472	4480	4111
65	4013	3731	3675
75	3748	3393	3308
85	4430	3794	252

Lumens Per Zone

Zone	Lumens
0-10	99.45
10-20	188.90
20-30	199.76
30-40	164.45
40-50	75.18
50-60	29.24
60-70	19.40
70-80	11.61
80-90	3.98

Candela Tabulation

0	0
0	1321
5	1100
15	674
25	433
35	272
45	115
55	31
65	20
75	11
85	4
90	1

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	118	118	118	118	112	112	112	108	108	108	103	103	103	101			
	1	114	111	108	105	111	109	106	104	102	102	100	97	97	97	97	96	95	93			
	2	108	102	97	94	105	100	96	92	97	93	90	94	91	88	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	81	76	84	79	75	82	78	74	80	76	73	72			
	5	91	81	75	70	89	80	74	70	79	73	69	77	72	69	75	71	68	67			
	6	86	76	70	65	84	75	69	64	74	68	64	72	67	64	71	67	63	62			
	7	81	71	65	60	80	71	65	60	69	64	60	68	63	59	67	63	59	58			
	8	77	67	61	56	76	67	60	56	65	60	56	64	59	56	63	59	55	54			
	9	74	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51			
10	70	60	54	50	69	59	54	50	59	53	49	58	53	49	57	52	49	48				