

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
900	816	9W
1200	1064	13W
1500	1555	17W
2000	2128	27W
2500	2634	35W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

FEATURES

6" LED dedicated New Construction Non-IC housing with integral LED heat management casting and driver (installed on junction box). Designed for new construction installations and suitable for use in non-insulation covered ceilings. A precisely engineered optical system produces smooth, uniform illumination. Ideal for hospitality, healthcare, commercial, retail and residential applications.

LUMENS	900, 1200, 1500, 2000, 2500
ССТ	27K, 30K, 35K, 40K, 50K
CRI	90+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
MOUNTING	Recessed
DISTRIBUTION	Medium (MD)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), DIMTR (Triac), LUTH (Lutron)
EMERGENCY	10W - Up to 1000L Output
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21













OPTICS

Specially designed optical system shapes the light a functional beam with precisely engineered reflectors. A smooth lens minimizes aperture brightness, while a glare-reducing cone achieves a 55° cutoff.

Excellent Thermal Management

Die-cast aluminum heat management system is 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. Fixture design allows for installation in construction that requires Elite Air-Shut™ system.

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 ½" knockouts, one ¾" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs. Driver is installed on the junction box cover so it may be serviced from below the ceiling.

Accessible From Below

The driver is installed on the junction box cover and may be easily serviced from below the ceiling.

CONSTRUCTION

Die-formed aluminum and galvanized steel housing for maximum heat dissipation and rust protection. Housing adjusts vertically in plaster frame to accommodate $\frac{1}{2}$ " to 1-3/8" thick ceiling. Housing is Non-IC rated and insulation must be pulled 3" from housing. May be installed in 2" x 8" joist construction.

Extendable, Lockable Bar Hangers

Preinstalled bar hangers allow housing to be positioned and locked at any point within a 24" joist span. The bar hangers can be positioned on either the long or short axis of the housing and can adjusted to fit 12" joists. The bar hangers contain a double-headed real nail for secure attachment into the joist. Bar hanger nails are installed on a 20° downward angle for better contact, and the 90° pivoting mounting plate makes installation fast and accurate. Bar hangers can fit onto T-Bar spline with additional slots and holes for special mounting methods if necessary.

ELECTRICAL

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120/277V input. Produces less than 20% THD, and has a power factor of .90 to 1.00. Driver is installed on the junction box cover, allowing for service from below.

DIMMABLE

The Elite LED system is fully dimmable down to 10% of initial light output with a 0-10V dimmer when ordered with (DIM10-MVOLT). Fixtures can be shipped with a Lutron Hi-lume A series Driver which can be dimmed with Lutron Dimming Systems when ordered with (120-LUTH, 277-LUTH). Consult factory for details.

DIMMING & DRIVER INFORMATION

DIM10 (0-10V Dimming) LUTH (Lutron® Hi-lume® Dimming)

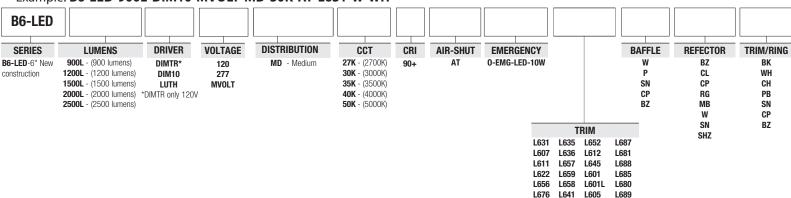
WARRANTY

Five-year warranty for parts and components. (Labor not included)

RATINGS

c-UL-us - listed for Damp location c-UL-us - listed for feed Through Wiring Energy Star California Title 24

Example: B6-LED-900L-DIM10-MVOLT-MD-30K-AT-L631-W-WH



L696

L675

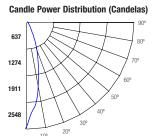
L642 L605L



B6-LED-900L-40K-MD-90-L607CL-WH

TEST NO.: **EL08312010**

INPUT WATTS: 9.6 LUMENS: 817 CRI: 90 EFFICACY: 64 CCT: 4000K SPACING CRITERIA: 0.54



Zonai Lumens Summary													
Zone	Lumens	%Lamp	%Fixt										
0-20	545.89	66.8	66.8										
0-30	742.74	90.9	90.9										
0-40	791.81	97	96.9										
0-60	815.52	99.9	99.9										
0-80	815.95	99.9	99.9										
0-90	815.97	99.9	99.9										

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	38050	38592	44459
55	13655	13535	15755
65	292	292	259
75	106	106	106
85	314	314	314

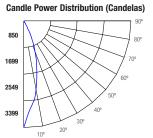
Lumens P	er Zone	<u>Candela T</u>	abulation
Zone	Lumens	0	0 2443.07
0-10	193.86	5	2031.51
10-20	352.03	15	1023.97
20-30	196.84	25	286.05
30-40	49.07	35 45	53.55 19.65
40-50	17.68	55	5.72
50-60 60-70	6.03 0.4	65	0.09
70-80	0.4	75 85	0.02
80-90	0.02	90	0.02

611 fc 1.1 ft 1.1 ft 2.2 ft 67.9 fc 3.2 ft 3.3 ft 6 8 38.2 fc 4.3 ft 4.4 ft 24.4 fc 5.3 ft 5.5 ft 10 17 O fo 6.4 ft 6.6 ft

ı	RC		80	1%		70%			50%		30%			10%			0%		
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
	2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
0	3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87
RATIO	4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
	5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	80
CAVITY	6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77
₹	7	92	84	79	76	90	84	79	76	82	78	76	81	78	75	80	77	75	74
	8	88	81	76	73	87	80	76	73	79	75	73	78	75	72	78	74	72	71
ROOM	9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
B0	10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66
RC - Ceiling Cavity Reflectance RW - Wall Reflectance																			

B6-LED-1200L-40K-MD-90-L607CL-WH

TEST NO.: **EL08312010** LUMENS: **1065** CCT: **4000K** INPUT WATTS: 13.7 EFFICACY: 77 SPACING CRITERIA: 0.54 CRI: 90



Zone	Lumens	%Lamp	%Fixt
0-20	713.97	67.1	67
0-30	970.64	91.2	91.2
0-40	1033	97	97
0-60	1063.07	99.8	99.8
0-80	1063.67	99.9	99.9
0-90	1063.69	99.9	99.9

Zonal Lumens Summary

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	53424	51430	53676
55	21532	19813	19336
65	454	454	486
75	159	159	212
85	314	157	314

Lumens P	er Zone	<u>Candela</u>	<u> Fabulation</u>
Zone	Lumens		0
		0	3293.12
0-10	256.67	5	2609.17
10-20	457.3	15	1511.63
20-30	256.67	25	504.21
30-40	62.36	35	82.18
40-50	22.31	45	27.59
		55	9.02
50-60	7.77	65	0.14
60-70	0.55	75	0.03
70-80	0.05	85	0.02
80-90	0.02	90	0.02

Cone of Light											
2	823 fc	1.1 ft	1.1 ft								
4	206 fc	2.1 ft	2.2 ft								
6	91.5 fc	3.2 ft	3.3 ft								
8	51.5 fc	4.2 ft	4.4 ft								
10	32.9 fc	5.3 ft	5.5 ft								
12	22.9 fc	6.4 ft	6.6 ft								
(FT.)Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread								
BEAM	DIA. MEASURED AT	50% OF NADIR F	F.C.								

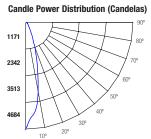
		RC		80)%
		RW	70%	50%	30
╝		0	119	119	11
-		1	115	112	11
┪		2	110	106	10
╝		3	106	101	97
-	Ē	4	102	96	92
┪	Α/	5	98	92	87
Ц	≥	6	95	88	83
-	CAVITY RATIO	7	92	84	80
_	- 3	0	00	0.1	70

Coefficients of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

	RC		80	1%		70%			50%			30%			10%			0%	
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
	2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91
0	3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
Ē	4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
8 /	5	98	92	87	84	97	91	87	83	89	86	83	88	84	82	86	84	81	80
≧	6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
₹	7	92	84	80	76	91	84	79	76	83	79	76	81	78	75	80	77	75	74
2	8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
8	9	86	78	73	70	85	78	73	70	77	73	70	76	72	70	75	72	69	68
B0	10	83	75	71	68	82	75	70	68	74	70	67	73	70	67	73	69	67	66
	RC - Ceilir	ng Cavity R	eflectance)	RW - Wall	Reflectan	ce												

B6-LED-1500L-40K-MD-90-L607CL-WH

TEST NO.: **EL08312010** INPUT WATTS: 17.3 LUMENS: **1555** CRI: 90 EFFICACY: 90 CCT: 4000K SPACING CRITERIA: 0.56



2	1130 fc	1.1 ft	1.1 ft				
4	282 fc	2.2 ft	2.3 ft				
6	126 fc	3.3 ft	3.4 ft				
8	70.6 fc	4.4 ft	4.5 ft				
10	45.2 fc	5.5 ft	5.7 ft				
12	31.4 fc	6.6 ft	6.8 ft				
(FT.)Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread				
BEAM	DIA. MEASURED AT	50% OF NADIR I	F.C.				

Zonal Lun	Zonal Lumens Summary							
Zone	Lumens	%Lamp	%Fixt					
0-20	1030.87	66.3	66.3					
0-30	1409.52	90.6	90.6					
0-40	1505.9	96.8	96.8					
0-60	1553.39	99.9	99.9					
0-80	1554.31	99.9	99.9					
0-90	1554.33	99.9	99.9					

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	57433	58827	81386
55	18214	18548	28741
65	486	486	454
75	106	106	106
85	314	314	314

Lumens P	er Zone	Candela T	abulation
Zone	Lumens		0
20110	Lumono	0	4518.37
0-10	367.56	5	3964.41
10-20	663.31	15	1968.02
20-30	378.64	25	486.92
30-40	96.38	35	95.89
40-50	35.16	45	29.66
50-60	12.34	55	7.63
		65	0.15
60-70	0.87	75	0.02
70-80	0.04	85	0.02
80-90	0.02	90	0.02

Coefficients of Utilization - Zonal Cavity	Method
Effective Floor Cavity Reflectance 0.20	

	RC		80	1%			70	1%			50%			30%			10%		0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
	2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
0	3	106	101	97	93	104	99	96	93	97	94	91	95	92	90	92	90	89	87
RATIO	4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
8/	5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
≧	6	95	88	83	79	93	87	82	79	86	82	79	84	81	78	83	80	78	76
Α	7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
2	8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
ROOM	9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
8	10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66
F	RC - Ceilin	g Cavity R	eflectance)	RW - Wall	Reflectan	ce												



INPUT WATTS: 26.9

6293

B6-LED-2000L-40K-MD-90-L607CL-WH

LUMENS: **2128**

TEST NO.: **EL08312010** SPACING CRITERIA: 0.56

TEST NO.: **EL08312010**

Candela Tabulation

Candle Power Distribution (Candelas) 1573 3146 4720

Zonal Lun	nens Sumn	nary	
Zone	Lumens	%Lamp	%Fixt
0-20	1402.7	65.9	65.9
0-30	1927.2	90.6	90.6
0-40	2060.57	96.8	96.8
0-60	2125.75	99.9	99.9
0-80	2127.08	99.9	99.9
0-90	2127.1	99.9	99.9

Effective Floor Cavity Reflectance 0.20

CRI: **90**

Coefficients of Utilization - Zonal Cavity Method

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	75615	79991	112852
55	23896	26139	40797
65	745	713	713
75	106	106	159
85	314	314	314

EFFICACY: 79

CCT: **4000K**

Lumens P	er Zone	<u>Candela T</u>	abulation
Zone	Lumens		0
		0	6025.99
0-10	498.63	5	5476.74
10-20	904.07	15	2670.4
20-30	524.51	25	639.07
30-40	133.37	35	128.21
40-50	48.19	45	39.05
		55	10.01
50-60	16.98	65	0.23
60-70	1.28	75	0.02
70-80	0.05	85	0.02
80-90	0.02	90	0.02

1.1 ft 377 fc 2.1 ft 2.3 ft 6 167 fc 3.4 ft 3.4 ft 94.2 fc 4.5 ft 4.6 ft 8 10 60.3 fc 5.6 ft 5.7ft 6.9 ft

20°

	RC		80	1%			70)%			50%			30%			10%		0%
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
	2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
0	3	106	101	97	93	104	99	96	93	97	94	91	95	92	90	92	90	88	87
Ē	4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	85	83
8	5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
È	6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76
₽	7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73
2	8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	70

B6-LED-2500L-40K-MD-90-L607CL-WH

CRI: 90 EFFICACY: 74 CCT: 4000K INPUT WATTS: 35.7 LUMENS: **2634** SPACING CRITERIA: **0.56**

Cano	dle Power Distribution (Candelas)
1944	90°
3888	70°
5831	50°
7775	30° 40°
	10°

Cone of Light						
2	1863 fc	1.1 ft	1.1 ft			
4	466 fc	2.2 ft	2.3 ft			
6	207 fc	3.4 ft	3.4 ft			
8	116 fc	4.5 ft	4.6 ft			
10	74.5 fc	5.6 ft	5.7 ft			
12	51.7 fc	6.7 ft	6.9 ft			
(FT.)Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread			

BEAM	DIA.	MEASURED	AT	50%	0F	NADIR	F.C.				

Zonal	Lumens	Summary
Luliui	Luillello	ouiiiiiiai y

Zone	Lumens	%Lamp	%Fixt
0-20	1734.91	65.9	65.9
0-30	2385.33	90.6	90.6
0-40	2550.34	96.8	96.8
0-60	2631.01	99.9	99.9
0-80	2632.65	99.9	99.9
0-90	2632.68	99.9	99.9

Angle in Degrees	Average 0°	Average 45°	Average 90°			
45	93682	99646	140929			
55	29935	32680	51014			
65	907	875	875			
75	106	106	159			
85	314	314	314			

Luminance (Average candela/M²)

ZUIIC	Luillella	0	7451.81
0-10	616.57	5	6772.39
10-20	1118.34	15	3309.25
20-30	650.42	25	792.54
30-40	165.01	35	155.55
40-50	59.64	45	48.38
50-60	21.03	55	12.54
60-70	1.59	65	0.28
70-80	0.06	75	0.02
		85	0.02
80-90	0.02	90	0.02

Lumens Per Zone

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%
	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
	1	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
	2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
0	3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
E	4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	85	83
2	5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
≧	6	95	88	83	79	93	87	82	79	85	81	79	84	81	78	83	80	78	76
₽	7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73
2	8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	70
6	9	85	78	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	68
R0	10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65
	C - Coilin	a Cavity D	ofloctance		DW - Wall	Dofloctano	20												





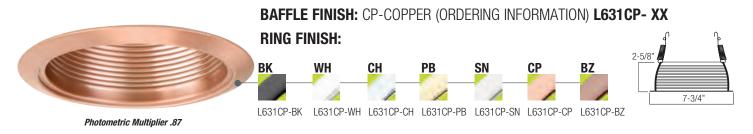
L631P-BK - PHENOLIC STEPPED BAFFLE



L631SN-SN - METAL STEPPED BAFFLE



L631CP-CP - METAL STEPPED BAFFLE



L631BZ-BZ - METAL STEPPED BAFFLE







L611W-WH - BAFFLE WALL WASH (ORDERING INFORMATION) L611X- XX-WH



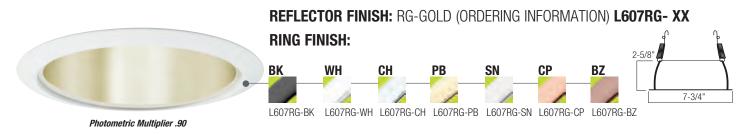




L607MB-WH - REFLECTOR



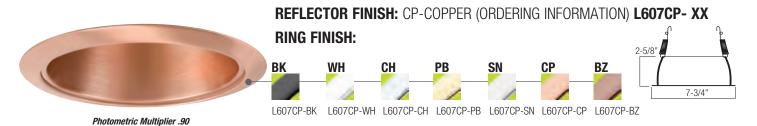
L607RG-WH - REFLECTOR



L607W-WH - REFLECTOR

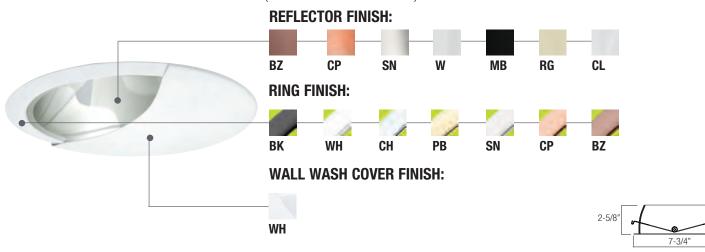


L607CP-CP - REFLECTOR

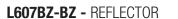




L622W-WH - REFLECTOR WALL WASH (ORDERING INFORMATION) L622X- XX-WH





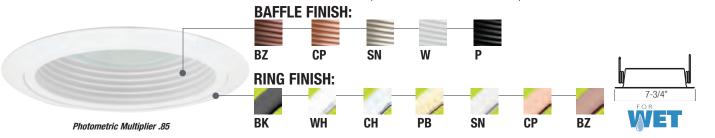






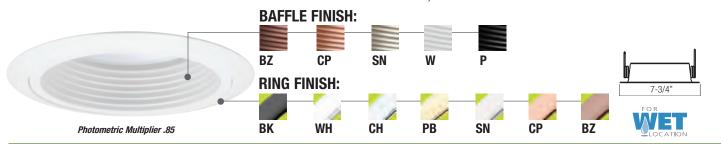


L656W-WH - BAFFLE WITH FROSTED DOME SHOWER LENS (ORDERING INFORMATION) L656X-XX

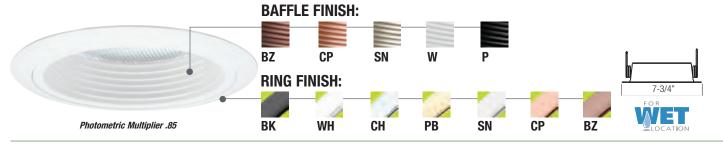


L676W-WH - BAFFLE WITH F

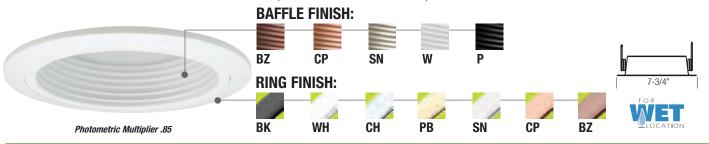
ORMATION) L676X- XX



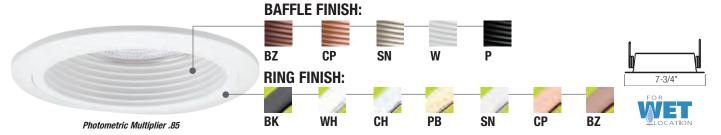
L675W-WH - BAFFLE WITH PRISMATIC LENS (ORDERING INFORMATION) L675X-XX



L635W-WH - BAFFLE WITH ALBALITE LENS (ORDERING INFORMATION) L635X-XX

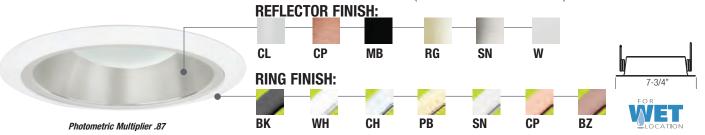


L636W-WH - BAFFLE WITH FRESNEL LENS (ORDERING INFORMATION) L636X-XX

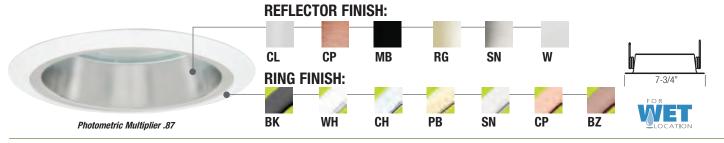




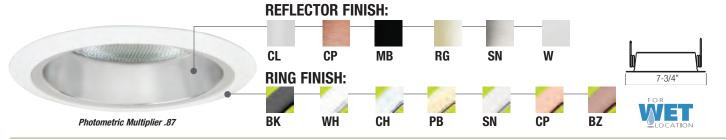
L657CL-WH - REFLECTOR WITH FROSTED DOME SHOWER LENS (ORDERING INFORMATION) L657X-XX



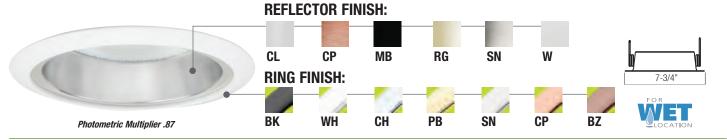
L659CL-WH - REFLECTOR WITH FROSTED LENS (ORDERING INFORMATION) L659X-XX



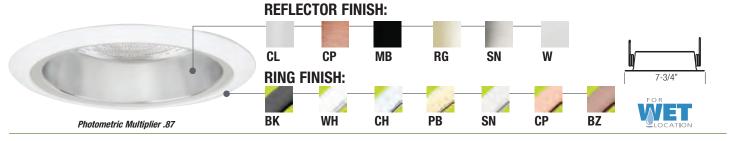
L658CL-WH - REFLECTOR WITH PRISMATIC LENS (ORDERING INFORMATION) L658X-XX



L641CL-WH - REFLECTOR WITH ALBALITE LENS (ORDERING INFORMATION) L641X-XX



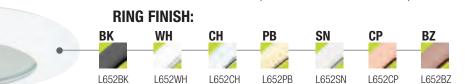
L642CL-WH - REFLECTOR WITH FRESNEL LENS (ORDERING INFORMATION) **L642X-XX**







LENS FINISH: FROSTED (ORDERING INFORMATION) L652XX





L612WH - SMOOTH FROSTED DOME LENS

LENS FINISH: FROSTED (ORDERING INFORMATION) L612XX





L645WH - DESIGNER POINT LENS

LENS FINISH: FROSTED (ORDERING INFORMATION) L655XX





L601WH/L601L - METAL/PLASTIC ALBALITE LENS

LENS FINISH: ALBALITE-WHITE (ORDERING INFORMATION) L601XX



L605WH/L605L - METAL/PLASTIC FRESNEL LENS

LENS FINISH: FRESNEL-CLEAR (ORDERING INFORMATION) L605XX













L606WH/L606L - METAL/PLASTIC DROP OPAL LENS









LENS FINISH: ALBALITE-WHITE (ORDERING INFORMATION) L688-XX RING FINISH:





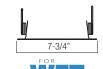
LOCATION

PATENT #: D510,151

L685WH - SQUARE FRESNEL LENS

LENS FINISH: FRESNEL-CLEAR (ORDERING INFORMATION) L685-XX RING FINISH:





PATENT #: D510,151

L680WH - SQUARE DESIGNER POINT LENS





PATENT #: D510,151

L696WH - SQUARE DESIGNER FROSTED LENS





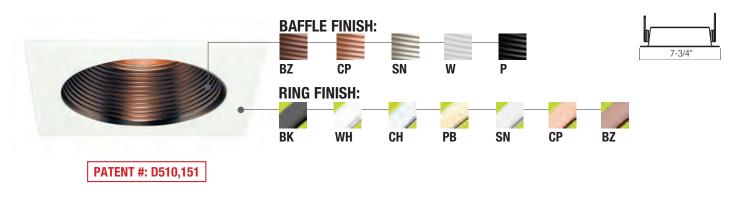
PATENT #: D510,151







L681BZ-WH - SQUARE BAFFLE (ORDERING INFORMATION) L681X-XX



L687CP-WH - SQUARE REFLECTOR (ORDERING INFORMATION) **L687X-XX**

