

## SPECIFICATION SHEET

### SUBJECT

### ULTRATHIN 8" RECESSED LUMINAIRE

### CUSTOMER PROJECT

Project: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Cat. No.: \_\_\_\_\_  
 Qty: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 EEL Rep: \_\_\_\_\_



Telephone: 905 415 8878 Fax Number: 905 415 8872 Toll Free Telephone: 855 415 8878 Toll Free Fax: 855 415 8872

### DESCRIPTION

The UltraThin Recessed Luminaire, stands apart from other fixtures of its type by providing a continual family line of products. No pot housing required and can be installed easily anywhere along a ceiling. This original family member is airtight, wet location approved and Energy Star rated. Comes in several sizes, two shapes, various colours and also accommodates UltraThin, colour changing face plates.

### SPECIFICATION FEATURES

#### Construction

- Round 8" fixture with integral LEDs

#### Controls

- Isolated driver factory installed inside connection box

#### Electrical

- Ambient temperature -40°C to 40°C
- CRI:80
- IC Rated
- Triac Dimmable (120V)
- 33 Watt equivalent to 200 Watt halogen

**cULus 600V Push-in wire connectors, rated for 12-18 AWG Solid/Stranded wires**

**One Time Use Only – Do Not Reuse (reusing the connector may lead to poor contact and cause the fixture to flicker)**

#### Mounting

- Cut hole in ceiling by using the template provided and snap fixture in opening with attached spring clips. Clearance needed - 2" (50mm).

#### Beam Angle

- 120°

#### Finish

- Standard - White
- Special Order - Brushed Nickel and Black

#### Compliance

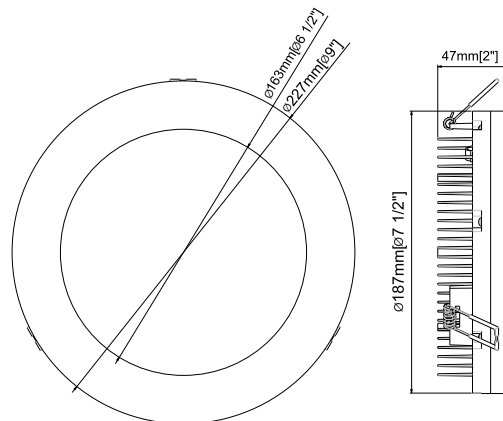
- cETLus
- Energy Star

#### Warranty

- 5-Year Warranty
- 50,000+ hours



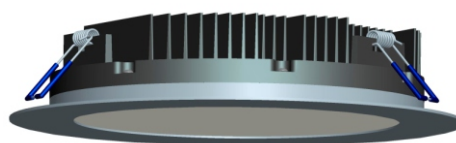
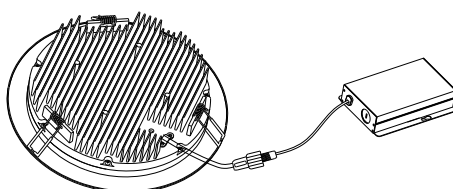
**ULTRATHIN  
8" LED RECESSED  
LUMINAIRE**



UTLED-8-S33W-3KWH / UTLED-8-S33W-4KWH  
 UTLED-8-S33W-3KBN / UTLED-8-S33W-4KBN  
 UTLED-8-S33W-3KBK / UTLED-8-S33W-4KBK

#### Dimensions

OD 9" (227mm) x ID 7-1/4" (185mm)  
 Cut out 7-3/4" (195mm)  
 Thickness 2" (47mm)



...continued

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## ORDERING CODE, ENERGY AND PERFORMANCE DATA

Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Certification
UTLED-8-S33W-3KWH	2200	33	120V / 277-347V	3000K	
UTLED-8-S33W-4KWH White	2400	33	120V / 277-347V	4000K	

**NOTE:**

- 120V dimmable / 277-347V non-dimmable
- Lumens are estimated

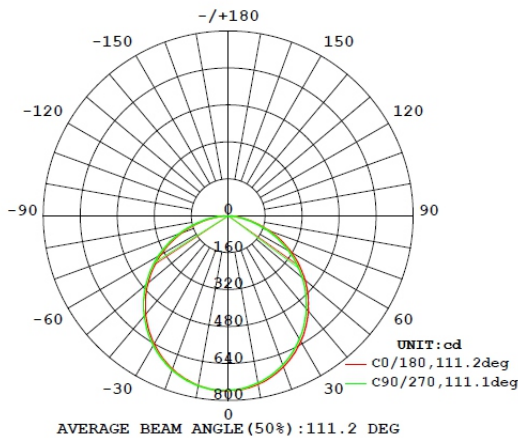
### OPTIONAL ACCESSORIES

UTLED-8-MP | Mounting Plate for 8" UltraThin  
 UTLED-JC-10 | 10' Extension Cable for UltraThin  
 UTLED-JC-20 | 20' Extension Cable for UltraThin  
 UTLED-8-GOOF RING | Goof Ring for 8" UltraThin  
 TRIM8BK | Face Plate in Black for 8" UltraThin  
 TRIM8BN | Face Plate in Brushed Nickel for 8" UltraThin  
 TRIM8CP | Face Plate in Copper for 8" UltraThin

### SHIPPING DATA

Model No.	Gross Weight
UTLED-8-S33W-3KWH	1.65kg / 3.63lbs
UTLED-8-S33W-4KWH	1.65kg / 3.63lbs

### PHOTOMETRICS



### Candlepower

γ	C0	C90	C180	C270
10	741.1	735.4	746.2	747.4
20	696.7	687.6	706.3	711.2
30	627.8	616.1	641.9	649.1
40	538.6	525.2	556.2	565.9
50	433.1	418.4	453.7	465.5
60	314.4	299.0	327.8	340.4
70	187.1	172.1	211.2	225.1
80	65.96	55.12	85.37	100.1
90	0	0	0.4321	5.362
100	0	0	0	0
110	0	0	0	0
120	0	0	0	0
130	0	0	0	0
140	0	0	0.0835	0
150	0.1863	0.3056	0.5817	0.4804
160	0.8632	0.9707	1.104	0.9939
170	1.988	1.484	1.843	1.421
180	1.676	1.653	1.691	1.626

### Zonal Lumen Summary

γ	Φ zone	Φ total	ℓlum, lamp
0- 10	71.57	71.57	3.38, 3.38
10- 20	204.5	276.1	13, 13
20- 30	308.7	584.7	27.6, 27.6
30- 40	370.6	955.3	45, 45
40- 50	382.8	1338	63.1, 63.1
50- 60	344.3	1682	79.3, 79.3
60- 70	259.8	1942	91.6, 91.6
70- 80	143.6	2086	98.4, 98.4
80- 90	33.74	2120	100, 100
90-100	0.1204	2120	100, 100
100-110	0	2120	100, 100
110-120	0	2120	100, 100
120-130	0	2120	100, 100
130-140	0.0014	2120	100, 100
140-150	0.0976	2120	100, 100
150-160	0.3119	2120	100, 100
160-170	0.3423	2120	100, 100
170-180	0.1473	2121	100, 100

### UTLED-8-3K

S/MH(C0/180) = 1.24  
 S/MH(C90/270) = 1.22  
 Lumens: 2120.59  
 Nominal Power: 30 W  
 Efficacy: 72.51 lm/W

### Coefficient of Utilization

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.305	.174	.055	.298	.170	.054	.285	.163	.052	.273	.157	.050	.261	.152	.049	
2.0	.289	.158	.049	.283	.156	.048	.271	.151	.047	.260	.146	.046	.250	.142	.045	
3.0	.268	.143	.043	.263	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.115	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.189	.099	.029	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.157	.135	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.148	.114	.085	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.164	.115	.075	.141	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.149	.091	.048	.128	.079	.041	.088	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.142	.083	.040	.122	.071	.035	.084	.050	.024	.049	.029	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.061	.025	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.056	.022	.073	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

