

SPECIFICATION SHEET

SUBJECT

ULTRATHIN 8" RECESSED LUMINAIRE

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____

 Qty: _____
 Date: _____
 EEL Rep: _____



solutions closer to nature

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DESCRIPTION

The UltraThin 8" Recessed Luminaire fits where no other recessed fixture can. This recessed luminaire is dimmable, IC air tight rated, wet location approved and Energy Star rated. For Indoor use only.

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
120V dimmable / 277-347V non-dimmable
33 Watt equivalent to 200 Watt halogen

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

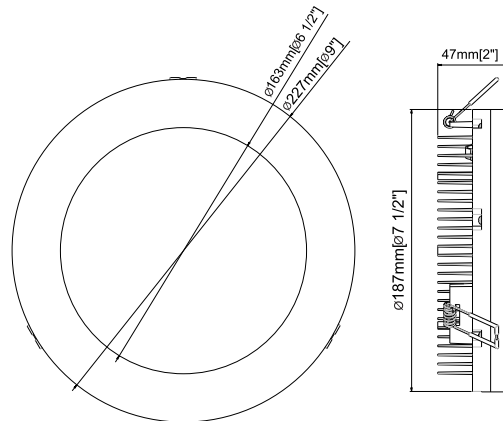
cETLus and Energy Star

Warranty

5 years, 50,000+ hours

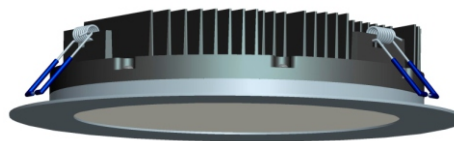
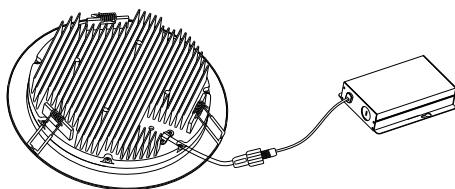


**ULTRATHIN
8" LED RECESSED
LUMINAIRE**



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)





ORDERING CODE, ENERGY AND PERFORMANCE DATA

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

NOTE:

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

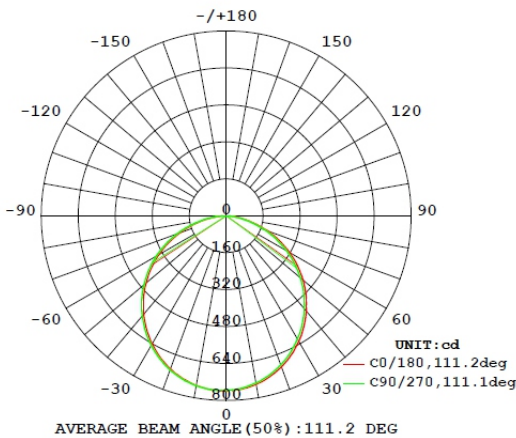
OPTIONAL ACCESSORIES

- 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

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	736.4	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	466.5
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	0.6321	6.362
100	0	0	0	0
110	0	0	0	0
120	0	0	0	0
130	0	0	0	0
140	0	0	0.0836	0
180	0.1863	0.3056	0.8817	0.4804
160	0.8632	0.9707	1.104	0.9939
170	1.388	1.484	1.843	1.421
180	1.476	1.453	1.491	1.426

Zonal Lumen Summary

γ	Φ zone	Φ total	lum, 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

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0			
ρw	0															
ρfc	0															
RcR	RcR: Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0	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	

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0			
ρw	0															
ρfc	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	

