

DATE:	PROJECT:
TYPE:	NOTES:
CATALOG #:	

DLSQ SQUARE SLIM CANLESS DIRECT

5 CCT COLOR PREFERENCE® | NIGHTLIGHTR™

MAGNETIC TRIM | J-BOX MOUNT RECESSED DOWNLIGHT

KEY FEATURES

- Luminaire shall use ETI's patented Color Preference® with 5 Selectable CCTs (2700K, 3000K, 3500K, 4000K, 5000K), using Samsung LEDs, with 90+ CRI, and ETI SSL's patented NightlightR™ indirect low-lumen, 2000K nightlight.
- Magnetic Trim System—white and black trim are easy to swap out and magnetically secure onto the fixture
- 90+ CRI | High R9 and R13 values
- NightlightR™ features a 2000K low-lumen indirect light providing a warm glow for night
- IC Rated for maximum thermal management
- Triac dimming down to 10%—quiet and flickering free

SPECIFICATIONS

Construction

- Thin, durable stamped iron trim with .45" surface profile
- Suitable for IC or Non-IC applications
- Matte white finish
- Included black trim option

Optics

- High impact, polymer diffuser lens for zero pixelation and overall visual comfort
- Uniform, even light distribution

Installation

- Two low-profile spring retention clips for a secure fit—no need for a separate recessed housing or junction box
- Easy to installed and service from below the mounting/ceiling surface
- Minimum 2" plenum space required to install the remote driver box
- Field select one of five CCTs at installation with an integral switch accessible on J-Box. Factory set to 2700K

Electrical

- >50,000 hour LEDs at L70 for reduced maintenance
- Operates at 120V, 60Hz
- Triac dimming, down to 10%*
- ETI's patented 5 CCT COLOR PREFERENCE® allowing for easy field-adjustable color temperature selection with switch located on J-Box

* Always consult dimmer manufacturer for proper use, installation and compatibility (some dimmers may require a neutral in the wall box).

Warranty

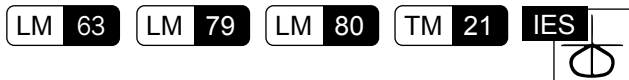
5-Year Standard Warranty. See terms at: [ETISSL.com/warranty/](https://www.etissl.com/warranty/)

KEY DATA	
Lumen Range	703 – 1316
Wattage Range	10.36 – 14.24
Night Light Wattage	4.5
Efficacy Range (LPW)	67 – 92
Reported Life (Hours)	L70 / >50,000



Certifications & Test Data

- All luminaires are built to UL 1598 standards and have the appropriate UL labels and information on product
- Damp location rated
- Adheres to LM63, LM79, LM80 and TM21 industry standards for photometric, lumen maintenance and lifetime calculations
- ENERGY STAR® rated (See Page 2 for search info.)
- Product can be used to comply with California Title 24 Efficiency Standards
- IC Rated for direct contact with insulation



CATALOG LOGIC

DLSQ			9	5CP	SV	TD
Series	Size	Lumens	CRI	CCT	Voltage	Dimming
DLSQ Square Canless Slim Downlight with NightlightR™	4IN (4" Dia) 6IN (6" Dia)	660LM 1000LM	9 90CRI (min.)	5CP 5 CCT Color Preference® 27/3/35/4/5000K	SV Single-Volt 120V	TD TRIAC Dimming

Notes:
1. Factory set at 2700K. Installing contractor responsible for ensuring desired CCT is selected during installation.

STOCK ORDERING INFORMATION

Catalog Part Number	Order Number	Description (Dia)	Case QTY	CCT (5CP)	Watts (Nom.)	Lumen Pkg	Deliv. Im	LPW	Night Light Info	CCT	CRI	Volt.	Dim	ENERGY STAR®
DLSQ-4IN-660LM-9-5CP-SV-TD	538661020	4" Square Slim Canless Downlight	4	2700K	11	660	703	67	4.5W 2000K	2700K 3000K 3500K 4000K 5000K	90+	120V	TRIAC	Yes, Search 538661##
				3000K	11	660	738	71						
				3500K	11	660	776	75						
				4000K	11	660	789	75						
				5000K	11	660	779	72						
DLSQ-6IN-1000LM-9-5CP-SV-TD	538671020	6" Square Slim Canless Downlight	4	2700K	14	1000	1070	77	4.5W 2000K	2700K 3000K 3500K 4000K 5000K	90+	120V	TRIAC	Yes, Search 538671##
				3000K	14	1000	1130	82						
				3500K	14	1000	1211	89						
				4000K	14	1000	1264	91						
				5000K	14	1000	1316	92						

Notes: 1. For more delivered lumens and test data see page 3, or visit ETISSL.com

DIMENSIONS / DETAILS

4IN

Unit Weight 1.14 lbs
Ceiling Opening 4" to 4 1/3"

6IN

Unit Weight 1.72 lbs
Ceiling Opening 6" to 6 1/4"

Factory settings: 2700K

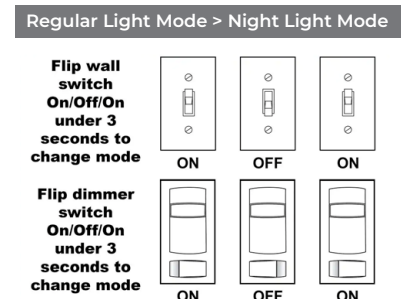
MAGNETIC Trim System

Magnetic Trim System allows trim to be easily swapped out.



NightLightR™

Night light mode function:



PERFORMANCE / Data

Lumen Maintenance

Ambient Temp.	TM-21 Lumen Maintenance (54,000 hours)
25° C (77° F)	84%
Ambient Temp.	TM-21 Theoretical L70 (hours)
25° C (77° F)	>50,000

PHOTOMETRIC SAMPLES

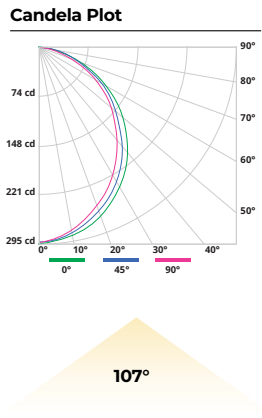
Luminaire Data: 4" at 3500K

CCT & CRI	3500K, 90+ CRI	
Delivered Lumens	776	
Wattage	10.36W	
Efficacy	75	
Beam Angle	50%=107° 10%=155°	
Spacing	0° = 1.24 90° = 1.14	

Photometric values based on tests performed in compliance with LM-63 & LM-79

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	223.2	28.80%
0-40	362.0	46.60%
0-60	627.5	80.90%
0-90	775.8	100.00%
0-180	776.1	100.00%



Candela Distribution

Angle	0°	90°
0	292	292
5	291	287
10	286	278
15	279	266
20	268	252
25	255	237
30	240	219
35	223	201
40	204	181
45	184	161
50	163	139
55	140	116
60	114	94
65	90	72
70	67	44
75	46	15
80	24	6.79
85	4.79	0.03
90	0.21	0.03

% Effective Ceiling Cavity Reflectance

Ceiling	80%			70%			50%			30%			10%			0%		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Zonal cavity method—Effective floor reflectance = 20%																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

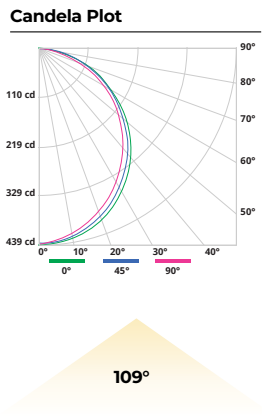
Luminaire Data: 6" at 3500K

CCT & CRI	3500K, 90+ CRI	
Delivered Lumens	1211	
Wattage	13.65W	
Efficacy	89	
Beam Angle	50%=109° 10%=161°	
Spacing	0° = 1.26 90° = 1.20	

Photometric values based on tests performed in compliance with LM-63 & LM-79

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	336.5	27.80%
0-40	549.0	45.30%
0-60	962.9	79.50%
0-90	1210.8	100.00%
0-180	1211.1	100.00%



Candela Distribution

Angle	0°	90°
0	0	90
5	437	437
10	436	431
15	431	420
20	421	406
25	407	389
30	390	368
35	370	345
40	346	319
45	320	292
50	288	263
55	254	232
60	220	200
65	186	167
70	152	134
75	117	100
80	83	67
85	50	35
90	19	8.9

% Effective Ceiling Cavity Reflectance

Ceiling	80%			70%			50%			30%			10%			0%		
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Zonal cavity method—Effective floor reflectance = 20%																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24