

Project Name:	Notes:	Date:	Type:
---------------	--------	-------	-------

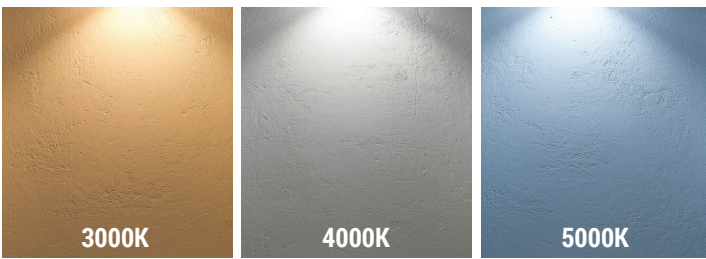
**DESCRIPTION**

Portor's surface mounted downlights are an ideal solution when recessed fixtures are not an option. Available in multiple apertures, the DLSM Series features color tunable technology that lets the user choose between 3000K, 4000K, or 5000K.

Ideal for drop ceilings, closets, attics, hallways, bathrooms, kitchens, basements, entry ways, porches (covered ceiling only), garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas with limited space.



**TUNABLE 3-1 CCT SELECTOR**



Easily flip the switch for desired CCT. It's that simple!

**FEATURES**

- Edge-lit technology, with no glare or dark spots
- Instant-on
- Slim design
- Integrated LED fixtures
- LED technology fits anywhere you need general light source
- IC rated for direct contact with insulation
- Damp location rated
- Easy to install on standard J-box

**DIMMING**

Triac dimmable down to 100%-10%.  
Compatible with most major brands of dimmers.

**LISTING**

ETL Listed, FCC, RoHS, CE & Energy Star Listed

**TECHNICAL SPECIFICATION**

WATTAGE	10W / 15W / 18W / 22W
LUMENS	600 / 900 / 1100 / 1400
EFFICACY	up to 63 lm/W
VOLTAGE	120V
POWER FREQUENCY	50/60 Hz
CCT	3000K 4000K 5000K
CRI	90
BEAM ANGLE	120°
RATING	Suitable for damp locations
DIMMABLE	Triac dimming
POWER FACTOR	>0.9
WARRANTY	5 year limited



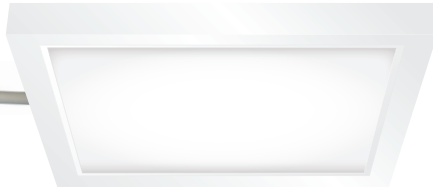
MODEL#	WATTS	LUMENS	LM/WATT	CCT	CRI	VOLTAGE
PT-DLSM-S-5I-10W-3CCT	10W	600*	60	3000K/4000K/5000K	90	120V
PT-DLSM-S-7I-15W-3CCT	15W	900*	60			
PT-DLSM-S-9I-18W-3CCT	18W	1100*	61			
PT-DLSM-S-12I-22W-3CCT	22W	1400*	63			

\*Default @ 3000K

Project Name:	Notes:	Date:	Type:
---------------	--------	-------	-------



Easily flip the switch for desired CCT



• Sealing gasket standard

**AVAILABLE TRIM OPTIONS (Sold separately):**



Black



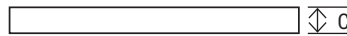
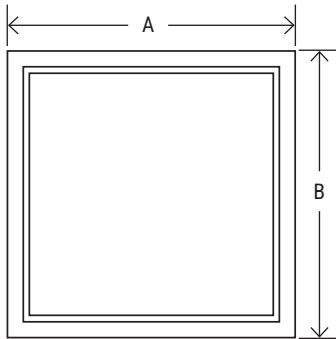
Bronze



Brush Nickel

**TRIMS AVAILABLE ON ALL 5", 7", 9" AND 12" MODELS**

**DIMENSION**



MODEL#	A	B	C
<b>PT-DLSM-S-5I</b>	4.37"	4.37"	.67"
<b>PT-DLSM-S-7I</b>	6.3"	6.3"	.67"
<b>PT-DLSM-S-9I</b>	9"	9"	.67"
<b>PT-DLSM-S-12I</b>	12"	12"	1"

**RECOMMENDED DIMMER**

**LUTRON**

- PD-6WCL
- DVCL-153P
- CTCL-153P
- MACL-153M
- TGCL-153P
- LGCL-153P

**LEVITON**

- 6681
- 6672

**MOUNTING OPTION**

The junction boxes listed below are meant to be a reference list only. Junction box sizes may vary. It is the responsibility of the individual performing the installation to confirm that the fixture can properly and safely work with any junction box.



3-1/2" octagon/steel box



4" octagon/steel box



3-1/2" round/plastic box



4" round/plastic box

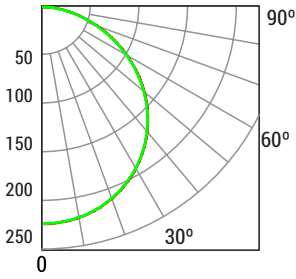


4" round/plastic box with bar hanger assembly

(For through circuit wiring applications, recommended j-box size is 2-1/8" deep)

Project Name:	Notes:	Date:	Type:
---------------	--------	-------	-------

**PT-DLSM-S-5I**      *Wattage: 10W*      *Delivered lumens: 683*      *Efficacy: 65 lm/W*      *CCT: 4000K*      *CRI: 90*



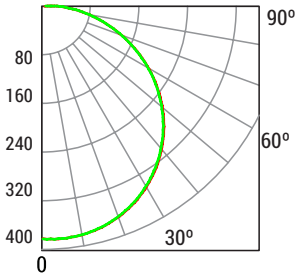
UNIT: cd  
 — 0/180, 113.8    — 90/270, 113.6  
 Average Beam Angle (50%) : 113.7 degree

p/c	Coefficients of Utilization								
	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	91	84	78	89	82	77	85	80	75
3	79	71	65	78	70	64	75	68	63
4	70	61	55	69	61	54	66	59	54
5	63	54	47	62	53	47	59	52	46
6	56	47	41	55	47	41	54	46	40
7	51	42	36	50	42	36	49	41	36
8	47	38	32	46	38	29	45	37	32
9	43	34	29	42	34	29	41	34	29
10	39	31	26	39	31	26	38	31	26

CP Summary		
	0°	90°
0°	236	236
5°	235	235
15°	228	227
25°	213	213
35°	191	190
45°	162	161
55°	126	125
65°	85	84
75°	45	44
85°	9	10
90°	1	1

Zonal Lumen Summary			
	Lumens	%Lamp	%Fixture
0° - 20°	86.53	12.7	12.7
0° - 30°	184.6	27	27
0° - 40°	303.7	44.5	44.5
0° - 50°	428.1	62.7	62.7
0° - 60°	540.4	79.1	79.1
0° - 70°	624.8	91.5	91.5
0° - 80°	671.8	98.3	98.3
0° - 90°	683.1	100.0	100.0

**PT-DLSM-S-7I**      *Wattage: 15W*      *Delivered lumens: 1086*      *Efficacy: 74 lm/W*      *CCT: 4000K*      *CRI: 90*



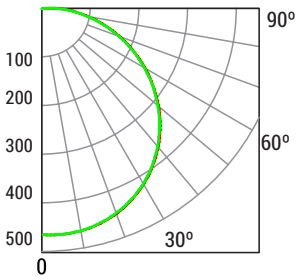
UNIT: cd  
 — 0/180, 113.3    — 90/270, 113.7  
 Average Beam Angle (50%) : 113.5 degree

p/c	Coefficients of Utilization								
	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	83	78	88	82	77	85	79	75
3	79	71	64	78	70	64	75	68	63
4	70	61	54	69	60	54	66	59	53
5	62	53	47	61	53	46	59	52	46
6	56	47	41	55	47	41	53	46	40
7	51	42	36	50	42	36	49	41	35
8	46	38	32	46	38	32	44	37	32
9	43	34	29	42	34	29	41	34	29
10	39	31	26	39	31	26	38	31	26

CP Summary		
	0°	90°
0°	374	374
5°	373	373
15°	361	361
25°	337	336
35°	302	300
45°	255	254
55°	200	199
65°	138	138
75°	75	75
85°	19	20
90°	.35	.24

Zonal Lumen Summary			
	Lumens	%Lamp	%Fixture
0° - 20°	132.7	12.6	12.6
0° - 30°	292.1	26.9	26.9
0° - 40°	479.6	44.2	44.2
0° - 50°	674.9	62.1	62.1
0° - 60°	851.9	78.4	78.4
0° - 70°	987.0	90.9	90.9
0° - 80°	1065	98.1	98.1
0° - 90°	1086	100.0	100.0

**PT-DLSM-S-9I**      *Wattage: 18W*      *Delivered lumens: 1386*      *Efficacy: 78 lm/W*      *CCT: 4000K*      *CRI: 90*



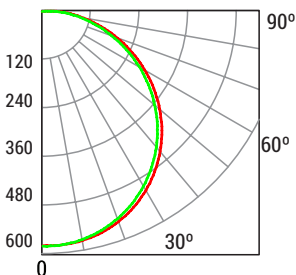
UNIT: cd  
 — 0/180, 113.8    — 90/270, 113.7  
 Average Beam Angle (50%) : 113.8 degree

p/c	Coefficients of Utilization								
	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	99	96	101	98	94	97	94	91
2	90	83	78	88	82	77	85	79	75
3	79	71	64	78	70	64	75	68	63
4	70	61	54	69	60	54	66	59	53
5	62	53	47	61	53	46	59	52	46
6	56	47	41	55	47	40	53	46	40
7	51	42	36	50	42	36	49	41	36
8	46	38	32	46	38	29	44	37	32
9	43	34	29	42	34	29	41	34	28
10	39	31	26	39	31	26	38	31	26

CP Summary		
	0°	90°
0°	477	477
5°	475	475
15°	460	459
25°	430	429
35°	384	382
45°	325	323
55°	254	252
65°	177	175
75°	98	94
85°	28	20
90°	.77	.27

Zonal Lumen Summary			
	Lumens	%Lamp	%Fixture
0° - 20°	174.5	12.6	12.6
0° - 30°	372.4	26.9	26.9
0° - 40°	611.7	44.1	44.1
0° - 50°	860.6	62.1	62.1
0° - 60°	1086	78.3	78.3
0° - 70°	1529	90.8	90.8
0° - 80°	1360	98.1	98.1
0° - 90°	1386	100.0	100.0

**PT-DLSM-S-12I**      *Wattage: 22W*      *Delivered lumens: 1674*      *Efficacy: 71 lm/W*      *CCT: 4000K*      *CRI: 90*



UNIT: cd  
 — 0/180, 113.4    — 90/270, 113.3  
 Average Beam Angle (50%) : 113.8 degree

p/c	Coefficients of Utilization								
	80%			70%			50%		
	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	104	100	96	102	98	94	97	94	91
2	90	84	78	88	82	77	85	80	75
3	79	71	64	78	70	64	75	68	63
4	70	61	55	69	61	54	66	59	53
5	63	54	47	62	53	47	59	52	46
6	56	47	41	55	47	41	54	46	40
7	51	42	36	50	42	36	49	41	36
8	47	38	32	46	38	32	45	37	32
9	43	34	29	42	34	29	41	34	29
10	39	31	26	39	31	26	38	31	26

CP Summary		
	0°	90°
0°	583	583
5°	579	577
15°	558	551
25°	519	508
35°	462	448
45°	389	373
55°	303	286
65°	208	193
75°	112	99
85°	27	21
90°	.30	.31

Zonal Lumen Summary			
	Lumens	%Lamp	%Fixture
0° - 20°	213.4	12.7	12.7
0° - 30°	453.9	27	27
0° - 40°	744.7	44.5	44.5
0° - 50°	1047	62.5	62.5
0° - 60°	1318	78.7	78.7
0° - 70°	1524	91	91
0° - 80°	1642	98	98
0° - 90°	1674	100.0	100.0