

# PT-DLSM-S Series

## Square LED Surface Mount Downlight with Multiple CCT

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

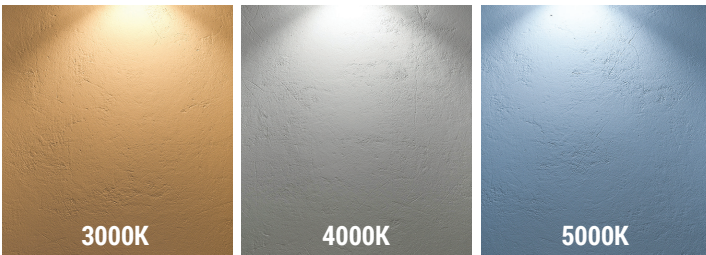
### DESCRIPTION

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

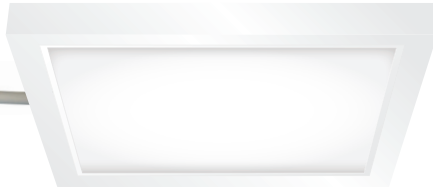
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| Project Name: | Notes: | Date: | Type: |
|---------------|--------|-------|-------|



Easily flip the switch for desired CCT



• Sealing gasket standard

AVAILABLE TRIM RING OPTIONS (Sold separately):



Black

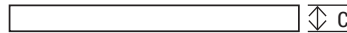
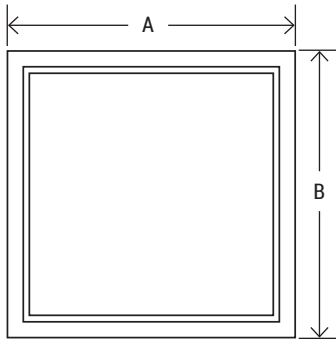


Bronze



Brush Nickel

## DIMENSION



| MODEL#        | A     | B     | C    |
|---------------|-------|-------|------|
| PT-DLSM-S-5I  | 4.37" | 4.37" | .67" |
| PT-DLSM-S-7I  | 6.3"  | 6.3"  | .67" |
| PT-DLSM-S-9I  | 9"    | 9"    | .67" |
| PT-DLSM-S-12I | 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.



4" 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)

# PT-DLSM-S Series

## Square LED Surface Mount Downlight with Multiple CCT

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

### PT-DLSM-S-5I

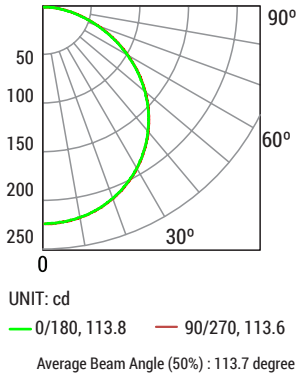
Wattage: **10W**

Delivered lumens: **683**

Efficacy: **65 lm/W**

CCT: **4000K**

CRI: **90**



| pfc | Coefficients of Utilization |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|     | 20%                         |     |     | 20% |     |     | 20% |     |     |
|     | 50%                         | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |
| pcc | 80%                         |     |     | 70% |     |     | 50% |     |     |
| pw  | 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  | 95.5  | 95.5     |
| 0° - 80°            | 671.8  | 98.3  | 98.3     |
| 0° - 90°            | 683.1  | 100.0 | 100.0    |

### PT-DLSM-S-7I

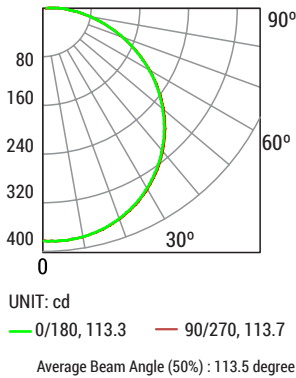
Wattage: **15W**

Delivered lumens: **1086**

Efficacy: **74 lm/W**

CCT: **4000K**

CRI: **90**



| pfc | Coefficients of Utilization |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|     | 20%                         |     |     | 20% |     |     | 20% |     |     |
|     | 50%                         | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |
| pcc | 80%                         |     |     | 70% |     |     | 50% |     |     |
| pw  | 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

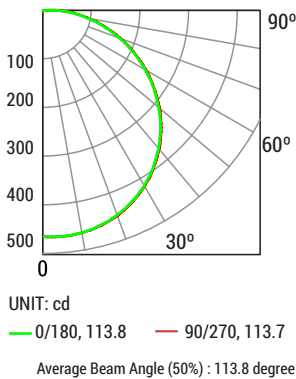
Wattage: **18W**

Delivered lumens: **1386**

Efficacy: **78 lm/W**

CCT: **4000K**

CRI: **90**



| pfc | Coefficients of Utilization |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|     | 20%                         |     |     | 20% |     |     | 20% |     |     |
|     | 50%                         | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |
| pcc | 80%                         |     |     | 70% |     |     | 50% |     |     |
| pw  | 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

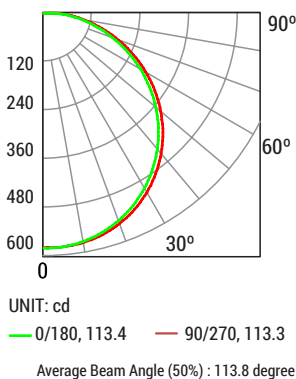
Wattage: **22W**

Delivered lumens: **1674**

Efficacy: **71 lm/W**

CCT: **4000K**

CRI: **90**



| pfc | Coefficients of Utilization |     |     |     |     |     |     |     |     |
|-----|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
|     | 20%                         |     |     | 20% |     |     | 20% |     |     |
|     | 50%                         | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |
| pcc | 80%                         |     |     | 70% |     |     | 50% |     |     |
| pw  | 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    |