

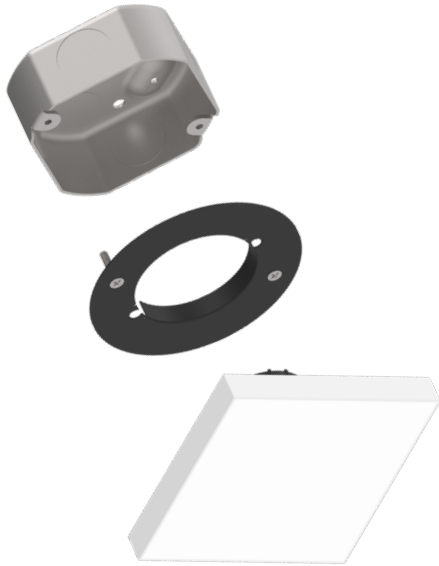
# DRD5S

## Surface Mount LED Downlight





Retrofit  
Junction Box

Project:	Type:
Product Code:	Date:

V101522



- Thinnest-in-class DRD5S delivers the pure, smooth light and the elegant look of a high-end recessed downlight
- Extends just 0.6 inches below the ceiling plane to minimize visual profile
- Utilizing a compact, integrated driver allows DRD5S to install into most metallic octagonal and non-metallic round junction boxes

<b>Application</b> Retrofit	<b>Junction Box</b> 4O Octagonal, 4O Round, 3O Round (minimum 2 3/4" depth)
<b>Delivered Lumens</b> 750 lm (9.0W), 1000 lm (12.0W)	<b>Color Quality</b> 90+ CRI, < 3-step SDCM
<b>Color Temperature</b>  2700K    3000K    3500K	<b>Optics</b>  General
<b>Input Voltage</b> 120V only (TRIAC/ELV), 120/277V (0-10V)	<b>Dimming</b> TRIAC/ELV 5%, 0-10V 1%
<b>Shape</b> Round, Square	<b>Finish</b> White
<b>Standards</b> 	<b>Module Ratings</b> 
<b>Guarantee</b> 50,000 hrs   5 years	<b>Additional Options</b> Non-Conductive Dead Front



**PRODUCT BUILDER**

**LED MODULE**

PRODUCT CODE		APERTURE		SHAPE		LUMENS		CRI		CCT		DRIVER	
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<b>DRD5S</b>	Module	<b>4</b>	4" Aperture	<b>R</b>	Round	<b>07</b>	750 lm	<b>9</b>	90+ CRI	<b>27</b>	2700K	<b>T</b>	Integrated TRIAC/ELV, 120V only
				<b>S</b>	Square	<b>10</b>	1000 lm			<b>30</b>	3000K	<b>O</b>	Integrated 0-10V, 120/277V
										<b>35</b>	3500K	<b>TDF</b>	Integrated TRIAC/ELV, 120V only, Non-Conductive <sup>1</sup>
												<b>ODF</b>	Integrated 0-10V, 120/277V, Non-Conductive <sup>1</sup>

<sup>1</sup> Only available for Round shape, 750 lm, 2700K or 3000K CCT

## MODULE



## DRD5S

Surface Mount LED Module

### DRD5S

#### SUMMARY

**LED:** Optimized LED array

**SHAPE:** 4" Round, 4" Square

**MODULE LUMENS:** 750 lm (9.0W), 1000 lm (12.0W)

**COLOR QUALITY:** 90+ CRI, less than 3-step SDCM

**CCT:** 2700K, 3000K, 3500K

**INPUT VOLTAGE:** 120V only (TRIAC/ELV), 120/277V (0-10V)

**DIMMING:** Down to less than 5% for TRIAC/ELV at 120V, 1% for 0-10V at 120/277V

**MAX INPUT CURRENT (120V):** 0.075 amps, 0.1047 amps

**MAX INPUT CURRENT (277V):** 0.034 amps, 0.047 amps

**POWER FACTOR:** Greater than 0.9

**TOTAL HARMONIC DISTORTION:** Less than 20%

**AMBIENT OPERATING TEMPERATURE:** -20°C to 40°C

**PHOTOMETRIC TESTING:** Tested in accordance to IESNA LM-79-2008

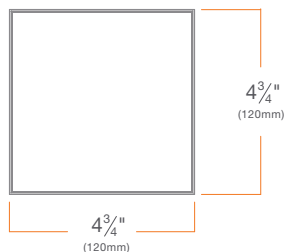
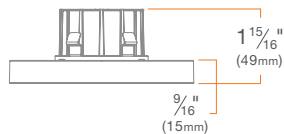
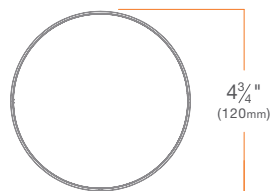
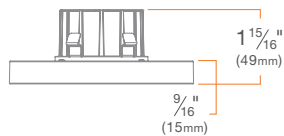
**TRIM:** Edgeless die-cast aluminum

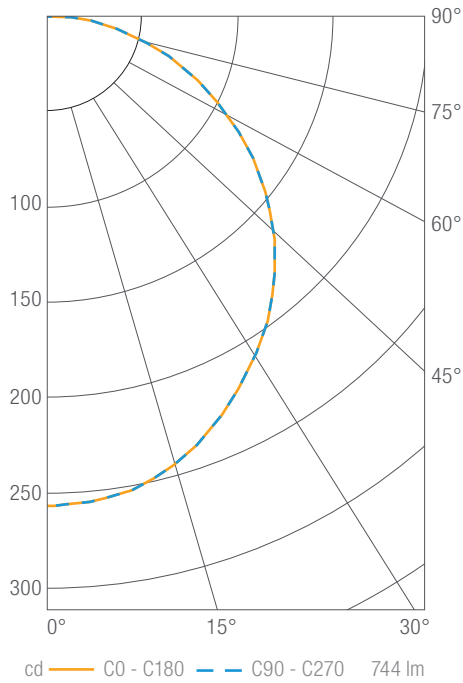
**LISTINGS:** ENERGY STAR® qualified \*, California Title 24 2019 JA8 compliant, UL Listed for Wet Location, UL Closet Rating compliant (750 lm only), UL Certified US-CA

**LIFETIME:** 50,000 hours at 70% lumen maintenance

**WARRANTY:** 5 year limited warranty

\* Refer to ENERGY STAR Certified light fixtures database



**PHOTOMETRY**
**DRD5S 4" Round, 750 lm, 90 CRI, 3000K DRD5S4R07930**

**Luminous Intensity**

Gamma	C 0°
0°	258
5°	256
10°	253
15°	247
20°	237
25°	226
30°	213
35°	200
40°	185
45°	169
50°	151
55°	132
60°	113
65°	93
70°	73
75°	54
80°	35
85°	18
90°	6

Values in candela

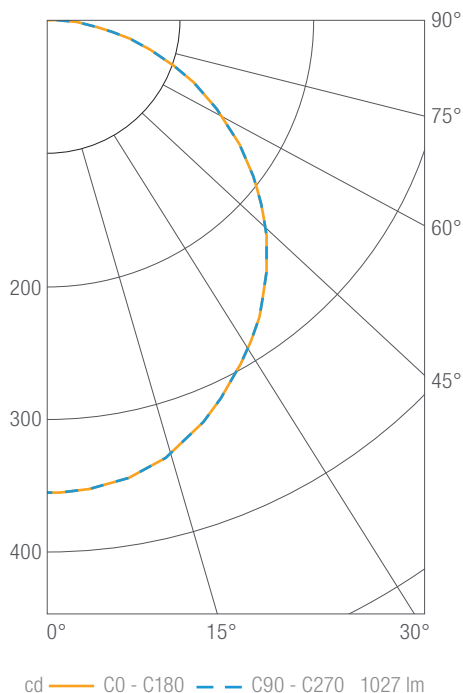
**Zonal Lumen Summary**

Zone	Lumens	Luminaire %
0-30	199	27
0-40	324	44
0-60	573	77
0-90	744	100
0-180	744	100

**Illuminance Chart**

Distance from LED	Foot Candles	Diameter
3.0'	29	8.8'
6.0'	7	17.7'
9.0'	3	26.5'
12.0'	2	35.3'

Beam Angle: 70°

**DRD5S 4" Round, 1000 lm, 90 CRI, 3000K DRD5S4R10930**

**Luminous Intensity**

Gamma	C 0°
0°	356
5°	354
10°	349
15°	340
20°	327
25°	312
30°	294
35°	276
40°	255
45°	233
50°	209
55°	183
60°	155
65°	128
70°	101
75°	74
80°	48
85°	25
90°	9

Values in candela

**Zonal Lumen Summary**

Zone	Lumens	Luminaire %
0-30	274	27
0-40	447	44
0-60	790	77
0-90	1027	100
0-180	1027	100

**Illuminance Chart**

Distance from LED	Foot Candles	Diameter
3.0'	40	8.8'
6.0'	10	17.7'
9.0'	4	26.5'
12.0'	2	35.3'

Beam Angle: 63°

**DIMMER COMPATIBILITY**
**Recommended Phase-control Dimmers** (Dims down to 5% nominal measured light output)

Brand	Series	Model Number	Max Load 750lm DRD5S4R07	Max Load 1000lm DRD5S4R10
Cooper	Aspire	9573	29	23
Leviton	Vizia	VPE06	64	48
Lutron	CL Series	AYCL-253, DVCL-253	26	20
	Grafik Eye 3000	QSGR-3P, QSGR-6P	31	24
	Grafik Sys / Homeworks	RPM-4U	44	35
	Maestro CL	MACL-153M, MSCL-OP153M, MSCL-VP153M	16	12

**Compatible Phase-control Dimmers<sup>1</sup>** (Dims down to 20% nominal measured light output)

Brand	Series	Model Number	Max Load 750lm DRD5S4R07	Max Load 1000lm DRD5S4R10
Cooper	Decorator	DLC03P, DAL06P	29	23
Legrand	Adorne	ADTP703	48	38
	Digital Light Management	LMRC-221	250	195
Leviton	IllumaTech	IPE04	32	25
	Vizia	VPE04	42	32
Lutron	CL Series	AYCL-153, CTCL-153, DVCL-153, LGCL-513, SCL-153, TGCL-513	15	11
	Maestro Wireless	MRF2-6ELV, MRF2-6CL	15	12
	Radio RA	RRD-6NA, RRD-6CL, RRD-6D	15	12
	Skylark Contour CL	CTCL-153P	15	12

<sup>1</sup> Dimmer compatibility reflects performance compatibility only. Please reference your local codes for application.



### DIMMER COMPATIBILITY

Recommended 0-10V Dimmers (Dims down to 1% nominal measured light output)

Brand	Series	Model Number	Max Load 750lm DRD5S4R07	Max Load 1000lm DRD5S4R10
Legrand	Titan	CD4FB	200	150
Leviton	IllumaTech	IP710-DLZ	120	90
Lithonia	Synergy	ISD BC	120	90
Lutron	Diva	DTV	100	75
	Nova	NFTV	200	150
	Nova	NTSTV-DV	100	75
	Vive-PowPak	RMJS-8T-DV-B	60	45
Watt Stopper	Micro-Decorator	DCLV1	60	45
	DLM	LMRC-211	100	75



## JUNCTION BOX COMPATIBILITY

### Recommended Junction Boxes

Junction Box	Minimum Depth	Minimum Volume	Through-Wire Ratings
40 Octagonal Junction Box (metallic)	2 1/8"	21.5 in <sup>3</sup>	6 (three in, three out) #12 AWG
30 Round Junction Box (non-metallic)	2 3/4"	18 in <sup>3</sup>	6 (three in, three out) #12 AWG
40 Round Junction Box (non-metallic)	2 3/16"	20 in <sup>3</sup>	6 (three in, three out) #12 AWG