

Project:	Type:
Product Code:	Date:

V122425



4" Surface Mount Downlight

Retrofit

- Thinnest-in-class S Series 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 S Series to install into most metallic octagonal and non-metallic round junction boxes

PHYSICAL

Junction Box

4" Octagonal, 4" Round, 3" Octagonal (minimum 2 3/4" depth)

Application

Retrofit

Shape

Round, Square

Finish

White

LIGHT OUTPUT & DISTRIBUTION

Module

Downlight

Lumens (Power)

750 lm (9.5W), 1000 lm (13.0W)

Color Quality

90+ CRI, < 3-step SDCM

Color Temperature

2700K 3000K 3500K

Optics



General

POWER & CONTROLS

Input Voltage

120V only (TRIAC/ELV), 120/277V (0-10V)

Dimming

TRIAC/ELV (5%), 0-10V (1%)

RATINGS & CERTIFICATIONS

Module

UL Listed for Wet Location
(Under covered location only)

UL Closet Rating Compliant
(750 lm only)

Additional Options

Non-Conductive Dead Front

Warranty

5 year limited warranty; 50,000 hours

MAINTENANCE

Driver fully embedded within the module for replacement at the ceiling plane



PRODUCT BUILDER

MODULE

EXAMPLE: DRD5S4R07927T

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

¹ Only available for Round shape, 750 lm, 2700K or 3000K CCT

JUNCTION BOX COMPATIBILITY

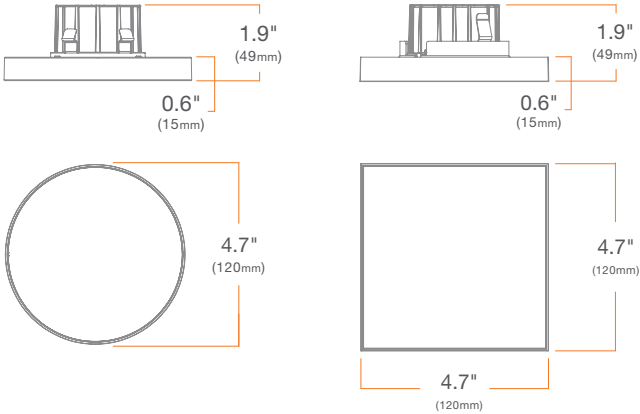
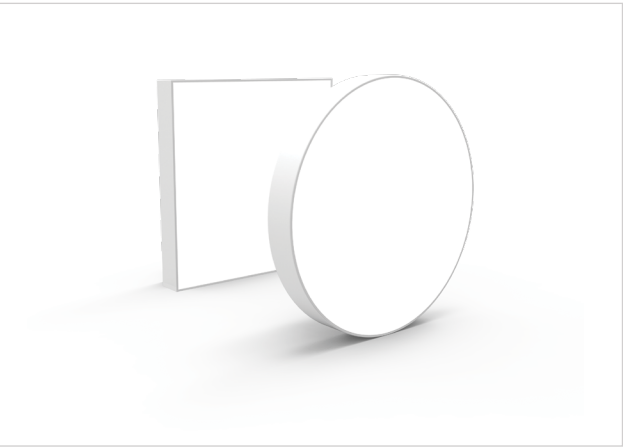
Recommended Junction Boxes

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

Module / driver cubic fill in junction box: 4.8 in³.



MODULE



PERFORMANCE SUMMARY

	STATIC CCT
CCT	2700K, 3000K, 3500K
LUMENS (POWER)	750 lm (9.5W), 1000 lm (13W)
COLOR QUALITY	90+ CRI, less than 3-step SDCM
DIMMING ¹	Down to less than 5% for TRIAC/ELV at 120V, 1% for 0-10V at 120/277V
LED CHIP	Bridgelux
LISTINGS	ENERGY STAR® Qualified ² , California Title 24 2016-2022 JA8-E Compliant, UL Listed for Under Covered Locations, UL Closet Rating (750lm ONLY, Complies with NEC Section 410.16.A3 and C5), UL Certified US-CA

¹ Visit rb.gy/8xj3e to learn more
² Refer to ENERGY STAR Certified light fixtures database

ADDITIONAL

INPUT VOLTAGE: 120V only (TRIAC/ELV), 120/277V (0-10V)
MAX INPUT CURRENT (120V): 0.075 amps, 0.1047 amps
MAX INPUT CURRENT (277V): 0.034 amps, 0.047 amps

EMERGENCY LIGHTING: Optional Emergency LED Driver with Integrated Test Switch for lighting up to 90 minutes in event of power failure

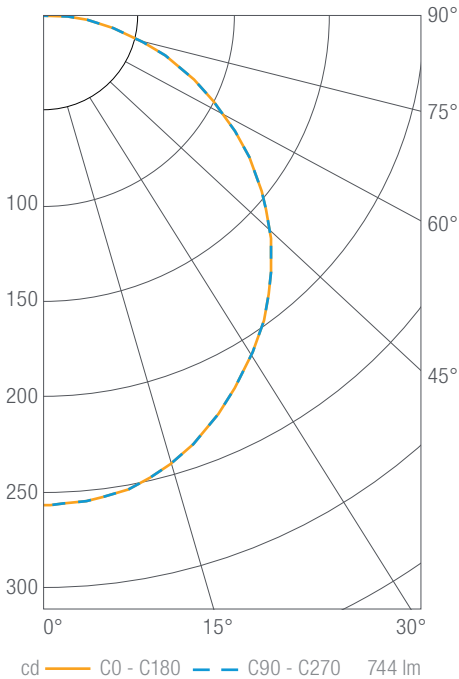
PHOTOMETRIC TESTING: Tested in accordance to IESNA LM-79-2008

POWER FACTOR: Greater than 0.9
TOTAL HARMONIC DISTORTION: Less than 20%
AMBIENT OPERATING TEMPERATURE: -20°C to 40°C
WARRANTY: 5 year limited warranty; 50,000 hours at 70% lumen maintenance

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

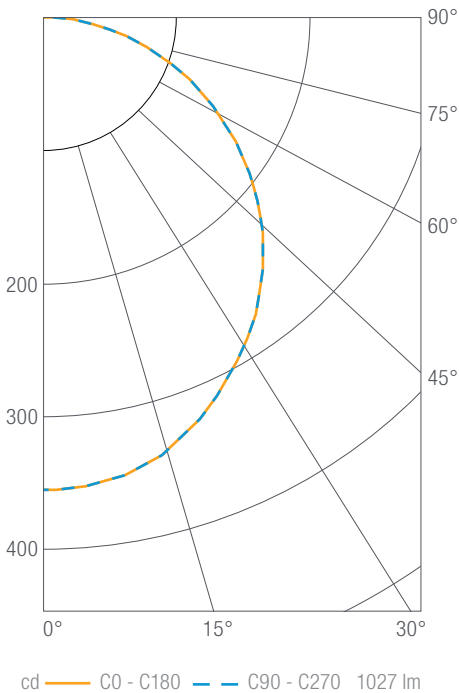
Illuminance Chart

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: 112°

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

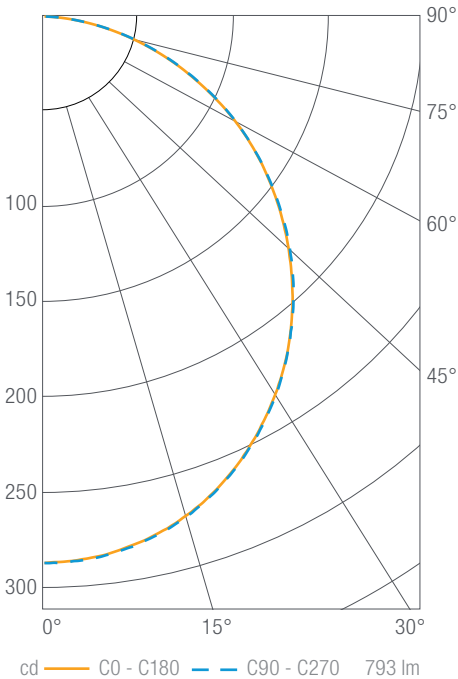
Distance from LED	Foot Candles	Diameter
3.0'	40	8.8'
6.0'	10	17.7'
9.0'	4	26.5'
12.0'	2	35.3'

Beam Angle: 112°

PHOTOMETRY

DRD5S 4" Square, 750 lm, 90+ CRI, 3000K

DRD5S4S07930



Luminous Intensity

Gamma	C 0°
0°	287
5°	285
10°	281
15°	274
20°	264
25°	252
30°	237
35°	221
40°	202
45°	183
50°	162
55°	141
60°	120
65°	97
70°	74
75°	51
80°	30
85°	11
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	221	28
0-40	359	45
0-60	628	79
0-90	793	100
0-180	793	100

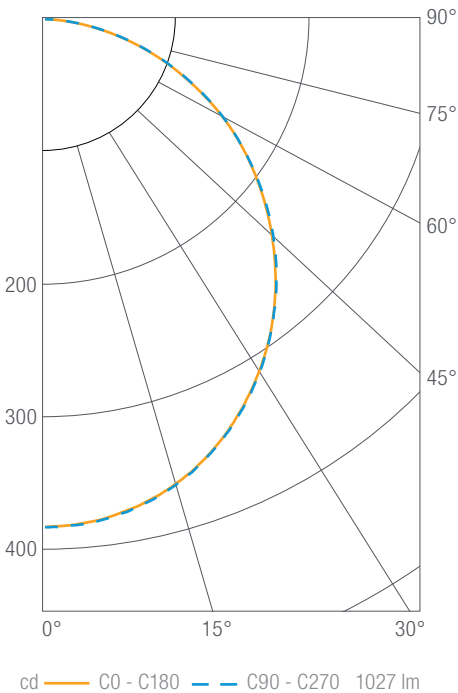
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	32	8.4'
6.0'	8	16.8'
9.0'	3.5	25.2'
12.0'	2	33.7'

Beam Angle: 109°

DRD5S 4" Square, 1000 lm, 90+ CRI, 3000K

DRD5S4S10930



Luminous Intensity

Gamma	C 0°
0°	384
5°	382
10°	376
15°	367
20°	354
25°	337
30°	317
35°	296
40°	271
45°	245
50°	217
55°	189
60°	161
65°	130
70°	99
75°	69
80°	40
85°	15
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	296	28
0-40	481	45
0-60	841	79
0-90	1062	100
0-180	1062	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3.0'	43	8.4'
6.0'	10.7	16.8'
9.0'	4.7	25.2'
12.0'	2.7	33.7'

Beam Angle: 109°