

DRD2

Fixed Downlighting System

Retrofit
Junction Box

Project:	Type:
Product Code:	Date:

V051822



Modular Design Flexibility during and after installation with interchangeable optics

Quick Install Integrated driver and plug-and-play connection require no wiring

High Performance Precise lighting control without sacrificing stellar efficiency

Enhanced Dimming Smooth, flicker-free dimming down to 1%

OPTICAL

Delivered Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W),
1250 lm (14.3W)

Color Quality

93+ CRI, 2-step SDCM

Color Temperature

- 2700K 3000K 3500K
 4000K Warm Dim (3000–1800K)

Beam Spread

- Narrow Spot (15°) General (90°+)
 Spot (25°) Linear (40° x 20°)
 Flood (40°) Soft Focus
 Wide Flood (60°)

PHYSICAL

Application

Retrofit

Junction Box

4" Square or Octagonal Deep Junction Box
(minimum 2 1/8" depth)

TRIMS

Available Trims

Surface Mount

Trim Finish

White, Custom

ELECTRICAL & CONTROLS

Input Voltage

120/277V

1% Dimming

TRIAC/ELV, 0-10V



PRODUCT BUILDER
DRD2 MODULE

PRODUCT CODE		LUMENS		CRI		CCT		BEAM SPREAD		DIMMING	
DRD2M	Module	07	750 lm	9	93+ CRI	27	2700K	GA	General Ambient (90°+)	T	Integrated TRIAC/ELV
		10	1000 lm			30	3000K	NS	Narrow Spot (15°) ²		
		12	1250 lm			35	3500K	SP	Spot (25°)	O	Integrated 0-10V
						40	4000K	FL	Flood (40°)		
						3W	Warm Dim ¹	WF	Wide Flood (60°)		
								LS	Linear Spread (40° x 20°)		
								SF	Soft Focus		

SURFACEFRAME TRIM

PRODUCT CODE		SHAPE		APERTURE		STYLE		FINISH	
DRD2T	Trim	R	Round	J	Surface Mount	S	Beveled	WH	White

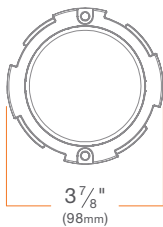
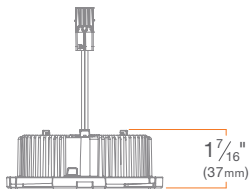
OPTICS ACCESSORIES

PRODUCT CODE	
DRD2X-GA	Conversion Kit: DRD2 Module to General Ambient (90°+)
DRD2X-NS	Narrow Spot (15°)
DRD2X-SP	Spot (25°)
DRD2X-FL	Flood (40°)
DRD2X-WF	Wide Flood (60°)
DRD2X-LS	Linear Spread (40° x 20°)
DRD2X-SF	Soft Focus
DRD2X-OP	Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus

¹ Only available in 1000 lm

² Not available in Warm Dim CCT

MODULE



DRD2

Fixed Downlight

DRD2M

SUMMARY

LED CHIP: Cree

DELIVERED LUMENS (w Trim): 750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W)

EFFICACY: 79 lm/W, 80 lm/W, 87 lm/W

COLOR QUALITY: 93+ CRI, 2-step SDCM

CCT: 2700K, 3000K, 3500K, 4000K

BEAM SPREAD: General Ambient (90°+), Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus

CONNECTOR: PowerPlug® Luminaire Disconnect Model 182

INPUT VOLTAGE: 120/277V, 50/60Hz

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

MAX INPUT CURRENT (120V): 0.090 amps, 0.107 amps

MAX INPUT CURRENT (277V): 0.042 amps, 0.050 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

LISTINGS: ENERGY STAR® qualified, California Title 24 2016 JA8 compliant, UL Listed for Wet Location, cULus Listed, Declare

LIFETIME: 50,000 hours at 70% lumen maintenance

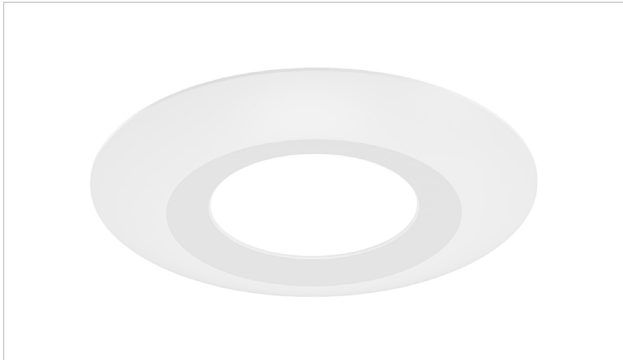
WARRANTY: 5 year limited warranty

WARM DIM OPTION

LED: Bridgelux LED, **DELIVERED LUMENS (w Trim):** 1000 lm (12.0W),

EFFICACY: 83 lm/W, **CCT RANGE:** 3000K - 1800K, **MAX INPUT**

CURRENT (120V): 0.11 amps, **MAX INPUT CURRENT (277V):** 0.047 amps

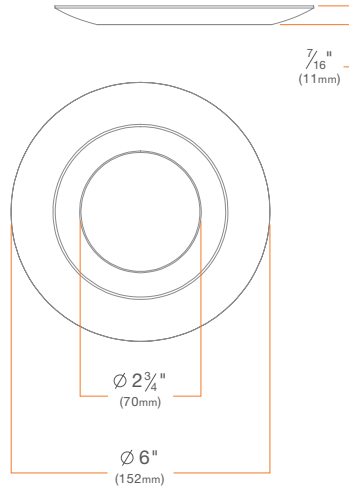
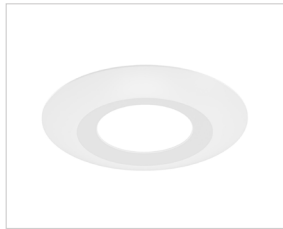
TRIM

SurfaceFrame Trim

Recessed LED Downlight Trim

DRD2T**SUMMARY****CONSTRUCTION:** Die-cast aluminum**INSTALLATION:** Twist & Lock

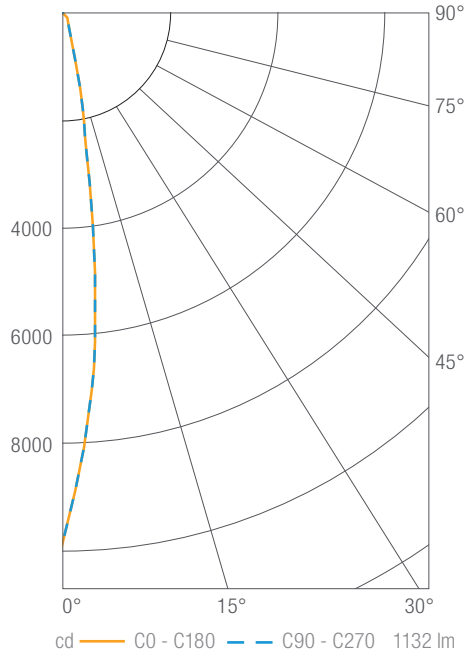
SurfaceFrame Trim

DRD2TRJSWH

PHOTOMETRY

DRD2 1000 lm, 3000K, Narrow Spot

DRD2M10930NS



Luminous Intensity

Gamma	C 0°
0°	9823
5°	6600
10°	2335
15°	734
20°	357
25°	244
30°	195
35°	159
40°	116
45°	85
50°	61
55°	42
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	906	80
0-40	1004	89
0-60	1110	98
0-90	1131	100
0-180	1132	100

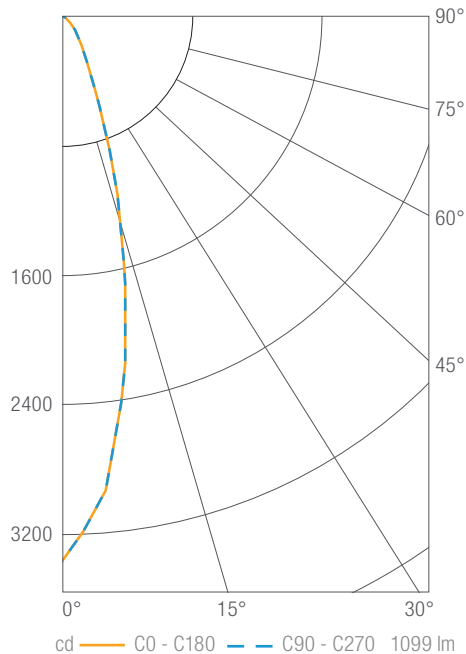
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	1091	0.7'
6'	273	1.5'
9'	121	2.2'
12'	68	2.9'

Beam Angle: 14°

DRD2 1000 lm, 3000K, Spot

DRD2M10930SP



Luminous Intensity

Gamma	C 0°
0°	3366
5°	2967
10°	2203
15°	1391
20°	775
25°	419
30°	248
35°	167
40°	119
45°	87
50°	62
55°	43
60°	26
65°	15
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	862	78
0-40	971	88
0-60	1078	98
0-90	1098	100
0-180	1099	100

Illuminance Chart

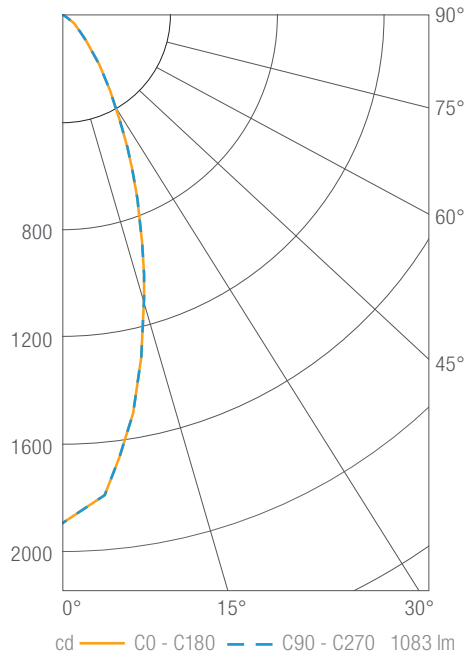
Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

PHOTOMETRY

DRD2 1000 lm, 3000K, Flood

DRD2M10930FL



Luminous Intensity

Gamma	C 0°
0°	1890
5°	1792
10°	1503
15°	1161
20°	849
25°	589
30°	391
35°	256
40°	162
45°	107
50°	74
55°	51
60°	30
65°	18
70°	8
75°	5
80°	3
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	760	70
0-40	925	85
0-60	1058	98
0-90	1081	100
0-180	1083	100

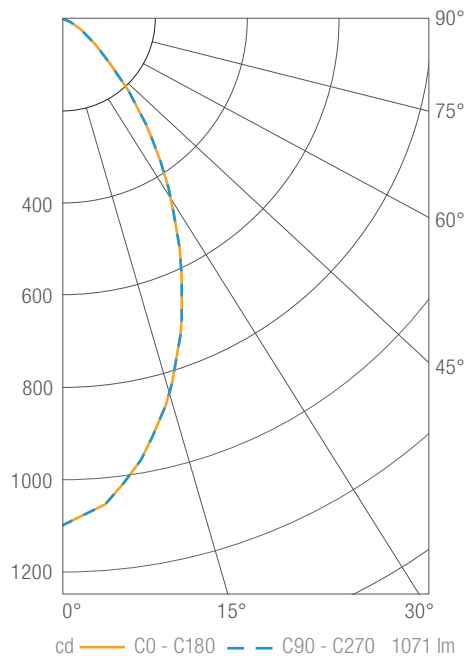
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	210	2.0'
6'	52	4.0'
9'	23	6.0'
12'	13	8.0'

Beam Angle: 37°

DRD2 1000 lm, 3000K, Wide Flood

DRD2M10930WF



Luminous Intensity

Gamma	C 0°
0°	1100
5°	1058
10°	973
15°	866
20°	743
25°	609
30°	478
35°	361
40°	252
45°	161
50°	102
55°	68
60°	41
65°	24
70°	11
75°	6
80°	4
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	620	58
0-40	845	79
0-60	1037	97
0-90	1069	100
0-180	1071	100

Illuminance Chart

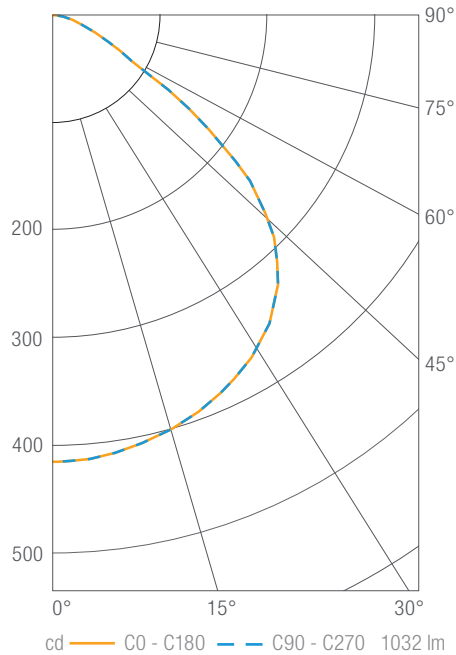
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

PHOTOMETRY

DRD2 1000 lm, 3000K, General Ambient

DRD2M10930GA



Luminous Intensity

Gamma	C 0°
0°	416
5°	415
10°	410
15°	403
20°	394
25°	382
30°	369
35°	351
40°	327
45°	291
50°	240
55°	162
60°	84
65°	54
70°	33
75°	21
80°	12
85°	6
90°	1

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	333	32
0-40	557	54
0-60	942	91
0-90	1024	99
0-180	1032	100

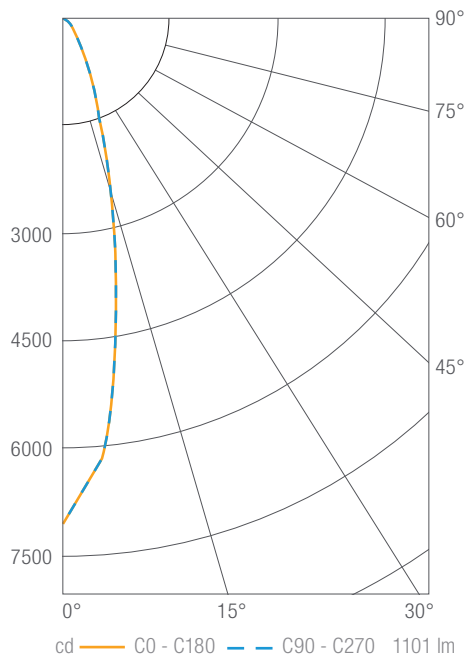
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	46	7.8'
6'	12	15.5'
9'	5	23.3'
12'	3	31.1'

Beam Angle: 100°

DRD2 1000 lm, 3000K, Soft Focus

DRD2M10930SF



Luminous Intensity

Gamma	C 0°
0°	7280
5°	5603
10°	2489
15°	875
20°	381
25°	247
30°	194
35°	161
40°	122
45°	90
50°	64
55°	45
60°	28
65°	16
70°	7
75°	4
80°	2
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	868	79
0-40	968	88
0-60	1078	98
0-90	1100	100
0-180	1101	100

Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	809	0.9'
6'	202	1.7'
9'	90	2.6'
12'	51	3.4'

Beam Angle: 16°