

# M Series

Project:	Type:
Product Code:	Date:

V022026



## Classic Retrofit Trims

**High Performance** Produces up to 1500 lumens of 93 CRI lighting for natural, true-to-life colors without sacrificing stellar efficiency

**Precise Control** Adjustable Module Provides Class leading 45° tilt with 15°, 25° or 40° field-changeable light distributions

**Dim to Dark** Smooth, flicker-free dimming down to 1% with centralized or local control

**Fast Install** Embedded driver, plug-and-play connection, and Twist & Lock Trims

**Modular Design** Flexibility during and after installation with interchangeable modules, optics and trims

### INSTALLATION

#### Application

Retrofit

#### Aperture

4", 5", 6"

### TRIMS

#### Shape

Round

#### Style

Beveled, Baffle

#### Finish

White, Black

### LIGHT OUTPUT & DISTRIBUTION

#### Adjustment

360° directional aim, 45° tilt

#### Lumens (Power)

750 lm (9.5W), 1000 lm (12.5W),  
1250 lm (14.3W), 1500 lm (14.3W)

#### Color Quality

93 CRI, 2-step SDCM

#### Color Temperature

- 2400K
- 2700K
- 3000K
- 3500K
- 4000K
- Warm Dim (3000K-1800K)

#### Beam Spread

-  15°  
Narrow Spot
-  25°  
Spot
-  40°  
Flood
-  60°  
Wide Flood
-  90°+  
General
-  Linear  
Spread
-  Soft  
Focus

### POWER & CONTROLS

#### Input Voltage

120 / 277V

#### Dimming

TRIAC/ELV (1%)

### RATINGS & CERTIFICATIONS

#### Module

-  UL Listed for Wet Location
-  RoHS Compliant
-  NSF Listed <sup>1</sup>
-  DarkSky Approved <sup>2</sup>

<sup>1</sup> White and Black Finish Only  
<sup>2</sup> CCT less than or equal to 3000K

### WARRANTY

5 year limited warranty; 50,000 hours

### MAINTENANCE

The driver and LED chip are embedded within the module for fully touch safe replacement from below the ceiling.



Declare.





**DMF LightSpeed**  
Our Quickest Shipping Selections are Highlighted for shipping in **2 days or less**  
*All other items qty 100 or less ship in 5 days or less (custom color excluded)*

# M Series

Classic Retrofit Trims

## PRODUCT BUILDER

### 4" MODULE - DOWNLIGHT OPTION

EXAMPLE: **DRD2M07927GAT**

PRODUCT CODE		LUMENS		CRI	CCT		BEAM SPREAD		DIMMING	
<b>DRD2M</b>				<b>9</b>					<b>T</b>	
<b>DRD2M</b>	Downlight	<b>07</b>	750 lm	<b>9</b>	93 CRI	<b>24</b>	2400K <sup>1</sup>	<b>GA</b>	General Ambient (90°+)	
		<b>10</b>	1000 lm			<b>27</b>	2700K	<b>NS</b>	Narrow Spot (15°) <sup>3</sup>	
		<b>12</b>	1250 lm			<b>30</b>	3000K	<b>SP</b>	Spot (25°)	
		<b>15</b>	1500 lm			<b>35</b>	3500K	<b>FL</b>	Flood (40°)	
						<b>40</b>	4000K	<b>WF</b>	Wide Flood (60°)	
						<b>3W</b>	Warm Dim (3000K– 1800K) <sup>2</sup>	<b>LS</b>	Linear Spread (40° x 20°)	
								<b>SF</b>	Soft Focus	

### 4" MODULE - ADJUSTABLE OPTION

PRODUCT CODE		LUMENS		CRI	CCT		BEAM SPREAD		DIMMING	
<b>DRD4M</b>				<b>9</b>					<b>T</b>	
<b>DRD4M</b>	Adjustable	<b>07</b>	750 lm	<b>9</b>	93 CRI	<b>24</b>	2400K <sup>1</sup>	<b>NS</b>	Narrow Spot (15°) <sup>3</sup>	
		<b>10</b>	1000 lm			<b>27</b>	2700K	<b>SP</b>	Spot (25°)	
						<b>30</b>	3000K	<b>FL</b>	Flood (40°)	
						<b>35</b>	3500K	<b>LS</b>	Linear Spread (40° x 20°)	
						<b>40</b>	4000K	<b>SF</b>	Soft Focus	
						<b>3W</b>	Warm Dim (3000K– 1800K) <sup>2</sup>	<b>NH</b>	Narrow Spot w/ Hex Louver <sup>3</sup>	
								<b>SH</b>	Spot w/ Hex Louver	
								<b>FH</b>	Flood w/ Hex Louver	

### RETROFIT TRIM

EXAMPLE: **DRD2TR4SWH**

PRODUCT CODE		SIZE		STYLE		FINISH	
<b>DRD2TR</b>							
<b>DRD2TR</b>	Retrofit Trim	<b>4</b>	4" Aperture	<b>S</b>	Beveled	<b>WH</b>	White
		<b>5</b>	5" Aperture	<b>B</b>	Baffle <sup>4</sup>	<b>BK</b>	Black
		<b>6</b>	6" Aperture				

### ADAPTOR (OPTIONAL)

EXAMPLE: **DRD2X-QCM-ED**

PRODUCT CODE	
<b>DRD2X-QCM-ED</b>	Edison Adaptor
<b>DRD2X-QCM-GU</b>	GU-24 Adaptor
<b>DRD2X-QCM-M</b>	PowerPlug Luminaire Disconnect Male Adaptor
<b>M4KJBADAPTOR</b>	Non-IC Junction Box Adaptor <sup>5</sup>
<b>DRD2X-QCM-MM</b>	TRIAC Adaptor <sup>6</sup>

<sup>1</sup> Only available in 750 or 1000lm

<sup>2</sup> Only available in 1000 lm

<sup>3</sup> Not available in Warm Dim CCT

<sup>4</sup> Only available in White Finish

<sup>5</sup> Requires DRD2X-QCM-MM

<sup>6</sup> Required for Non-IC Triac dimming, not compatible with DRD4 Adjustable Module



**DMF LightSpeed**  
 Our Quickest Shipping Selections are Highlighted for shipping in **2 days or less**  
*All other items qty 100 or less ship in 5 days or less (custom color excluded)*

# M Series

Classic Retrofit Trims

## PRODUCT BUILDER

### 4" DOWNLIGHT LOOSE OPTIC ACCESSORIES

EXAMPLE: **DRD2X-GA**

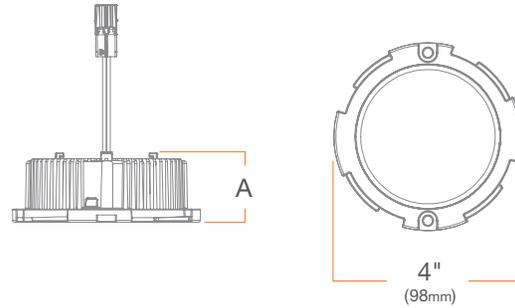
PRODUCT CODE	
<b>DRD2X-GA</b>	Conversion Kit: 4" Downlight Module to General Ambient (90°+)
<b>DRD2X-NS</b>	Narrow Spot (15°)
<b>DRD2X-SP</b>	Spot (25°)
<b>DRD2X-FL</b>	Flood (40°)
<b>DRD2X-WF</b>	Wide Flood (60°)
<b>DRD2X-LS</b>	Linear Spread (40° x 20°)
<b>DRD2X-SF</b>	Soft Focus
<b>DTD2X-OP</b>	Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus

### 4" ADJUSTABLE LOOSE OPTIC ACCESSORIES

EXAMPLE: **DRD4X-NS**

PRODUCT CODE	
<b>DRD4X-NS</b>	Narrow Spot (15°)
<b>DRD4X-SP</b>	Spot (25°)
<b>DRD4X-FL</b>	Flood (40°)
<b>DRD4X-LS</b>	Linear Spread (60° x 30°)
<b>DRD4X-SF</b>	Soft Focus
<b>DRD4X-OP</b>	Optics Kit: Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus

## DOWNLIGHT MODULE



### Measurements

Standard

A

1 7/16" [37 mm]

### SUMMARY

	STATIC CCT	WARM DIM
<b>CCT</b>	2400K, 2700K, 3000K, 3500K, 4000K	3000K - 1800K
<b>LUMENS (POWER)</b>	750 lm (9.5W), 1000 lm (12.5W), 1250 lm (14.3W), 1500 lm (14.3W)	1000 lm (12.5W)
<b>EFFICACY</b>	79 lm/W, 80 lm/W, 87 lm/W, 105 lm/W	80 lm/W
<b>COLOR QUALITY</b>	93 CRI <sup>1</sup> , 2-step SDCM	93 CRI <sup>1</sup> , 3-step SDCM
<b>BEAM SPREAD</b>	General Ambient (90°+), Narrow Spot (15°), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus	General Ambient (90°+), Spot (25°), Flood (40°), Wide Flood (60°), Linear Spread (40° x 20°), Soft Focus
<b>DIMMING</b>	TRIAC/ELV <sup>2</sup>	TRIAC/ELV <sup>2</sup>
<b>LED CHIP</b>	Bridgelux (2400K) Cree (All other CCT)	Bridgelux
<b>LISTINGS</b>	ENERGY STAR <sup>®</sup> qualified <sup>3</sup> , California Title 24 2016-2022 JA8-E compliant, UL Listed for Wet Location, UL Certified US-CA, Declare, RoHS compliant, Shatter-resistant construction, Dark Sky Approved <sup>4</sup> , Compliant to FCC Title 47 Part 15; Class B, NSF/ANSI 2 listed, suitable for splash-zone	

<sup>1</sup> Tested in accordance to IESNA LM-79-2008

<sup>2</sup> Dimming at 120V Only

<sup>3</sup> Refer to ENERGY STAR Certified light fixtures database

<sup>4</sup> DarkSky Approved is only applicable to CCT Options less than or equal to 3000K

### ADDITIONAL

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

**MAX INPUT CURRENT (120V):** 0.13 amps

**MAX INPUT CURRENT (277V):** 0.065 amps

**CONNECTOR:** PowerPlug<sup>®</sup> Luminaire Disconnect Model 182

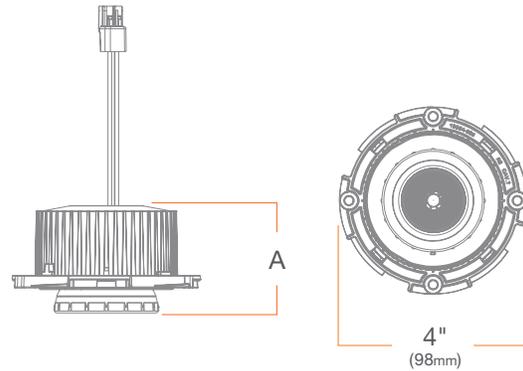
**POWER FACTOR:** Greater than 0.9

**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

## ADJUSTABLE MODULE



### Measurements

Standard

A

2 3/8" [60 mm]

## SUMMARY

	STATIC CCT	WARM DIM
<b>CCT</b>	2400K, 2700K, 3000K, 3500K, 4000K	3000K - 1800K
<b>LUMENS (POWER)</b>	750 lm (9.5W), 1000 lm (12.5W),	1000 lm (12.5W)
<b>EFFICACY</b>	79 lm/W, 80 lm/W	80 lm/W
<b>COLOR QUALITY</b>	93 CRI <sup>1</sup> , 2-step SDCM	93 CRI <sup>1</sup> , 3-step SDCM
<b>BEAM SPREAD</b>	Narrow Spot (15°), Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus	Spot (25°), Flood (40°), Linear Spread (60° x 30°), Soft Focus
<b>DIMMING</b>	TRIAC/ELV <sup>2</sup>	TRIAC/ELV <sup>2</sup>
<b>LED CHIP</b>	Bridgelux (2400K) Cree (All other CCT)	Bridgelux
<b>LISTINGS</b>	ENERGY STAR <sup>®</sup> qualified <sup>3</sup> , California Title 24 2016-2022 JA8-E compliant, UL Listed for Damp Location, UL Certified US-CA, Declare, RoHS compliant, Shatter-resistant construction, Dark Sky Approved <sup>4</sup> , Compliant to FCC Title 47 Part 15; Class B	
<b>ADJUSTMENT</b>	360° directional aim, 45° tilt	
<b>SLOPE CEILING COMPATIBILITY</b>	Up to 45°	

<sup>1</sup> Tested in accordance to IESNA LM-79-2008

<sup>2</sup> Dimming at 120V Only

<sup>3</sup> Refer to ENERGY STAR Certified light fixtures database

<sup>4</sup> DarkSky Approved is only applicable to CCT Options less than or equal to 3000K),

## ADDITIONAL

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

**MAX INPUT CURRENT (120V):** 0.13 amps

**MAX INPUT CURRENT (277V):** 0.065 amps

**CONNECTOR:** PowerPlug<sup>®</sup> Luminaire Disconnect Model 182

**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

TRIMS



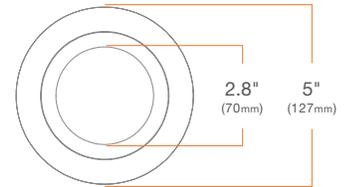
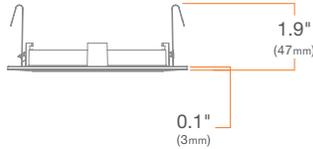
Classic Trims

DRD2T

CONSTRUCTION: Die-cast aluminum

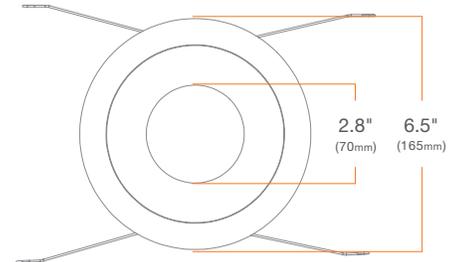
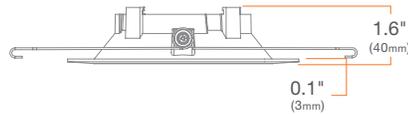
4" Round Trim

Beveled: DRD2TR4SWH  
Baffle: DRD2TR4BWH



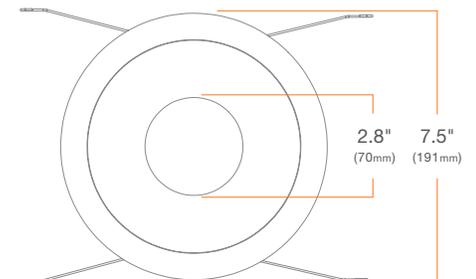
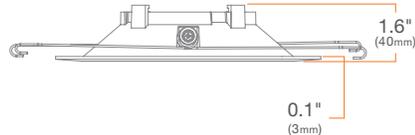
5" Round Trim

Beveled: DRD2TR5SWH  
Baffle: DRD2TR5BWH

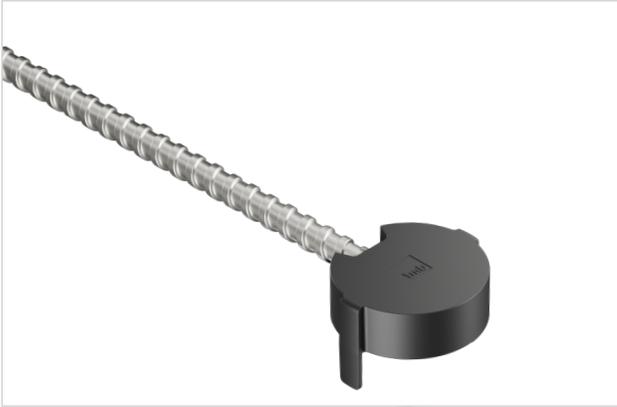


6" Round Trim

Beveled: DRD2TR6SWH  
Baffle: DRD2TR6BWH



JUNCTION BOX ADAPTOR

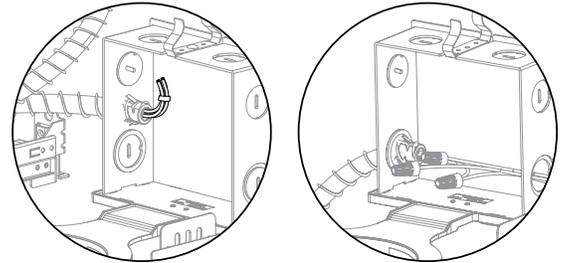
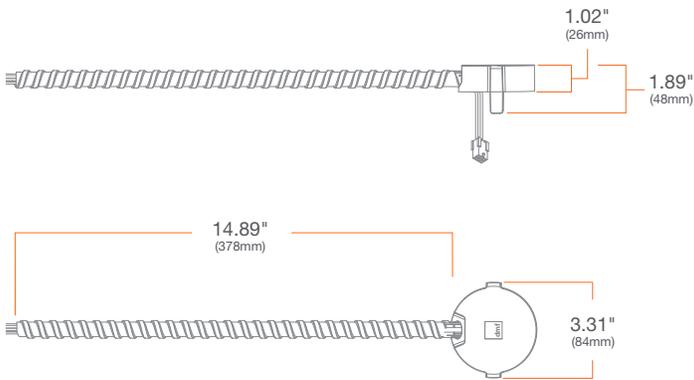


Junction Box Adaptor

M4KJBADAPTOR

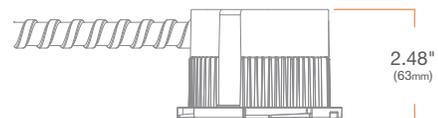
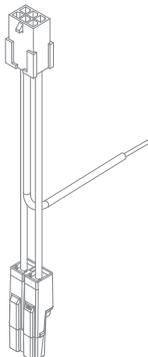
SUMMARY

**AC CONNECTOR:** 6 Pin Molex (standard 0-10V). For Triac Dimming, DRD2X-QCM-MM must be attached



DRD2X-QCM-MM

Total Height with Cap

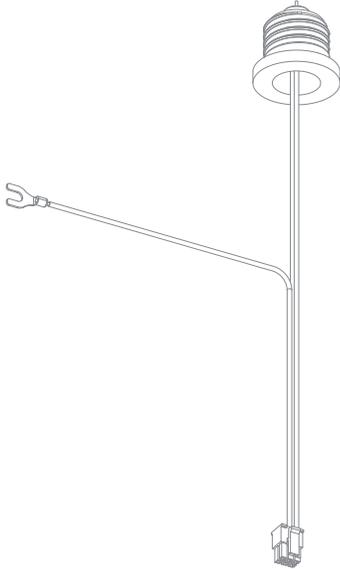


## ADAPTOR

---

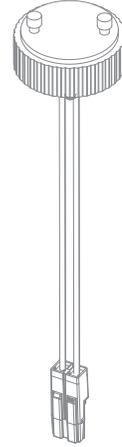
### Edison Adaptor

DRD2X-QCM-ED



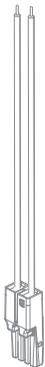
### GU-24 Adaptor

DRD2X-QCM-GU



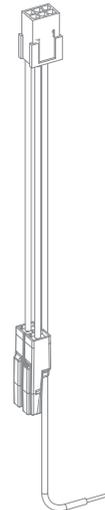
### Male IDEAL PowerPlug® Adaptor

DRD2X-QCM-M



### TRIAC Adaptor

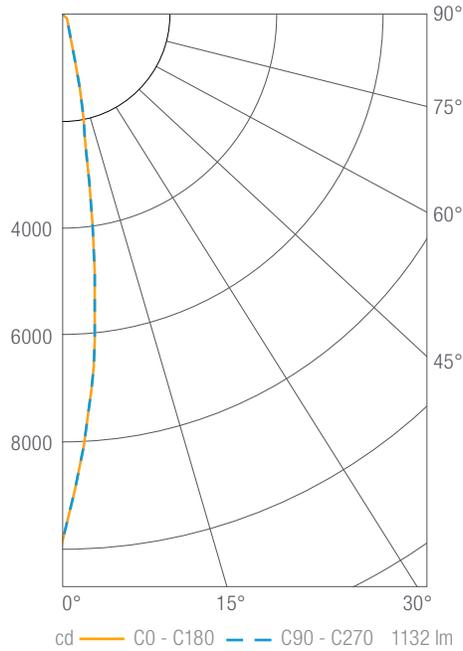
DRD2X-QCM-MM



## PHOTOMETRY - DOWNLIGHT

### 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

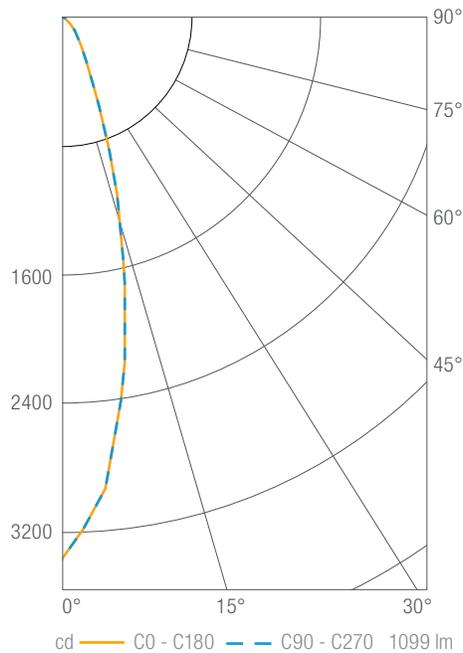
Illuminance Chart

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

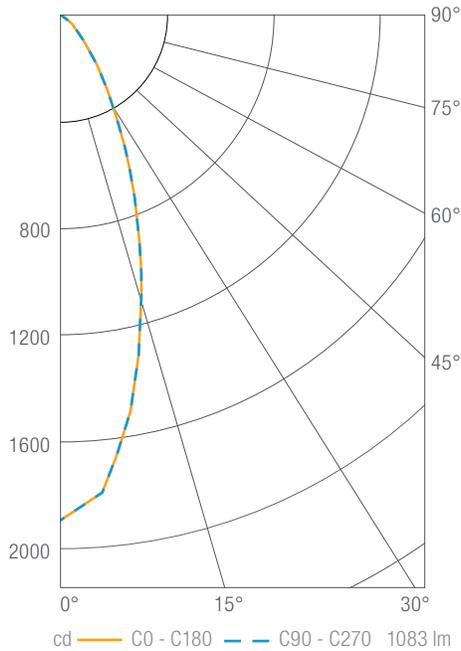
Distance from LED	Foot Candles	Diameter
3'	374	1.4'
6'	93	2.8'
9'	42	4.2'
12'	23	5.6'

Beam Angle: 26°

## PHOTOMETRY - DOWNLIGHT

### 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

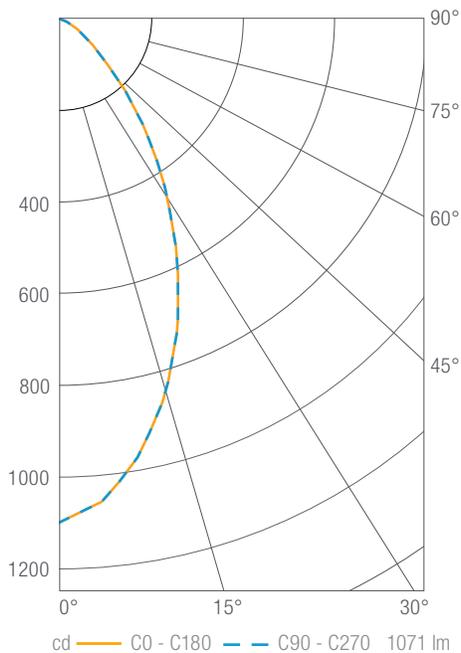
#### Illuminance Chart

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

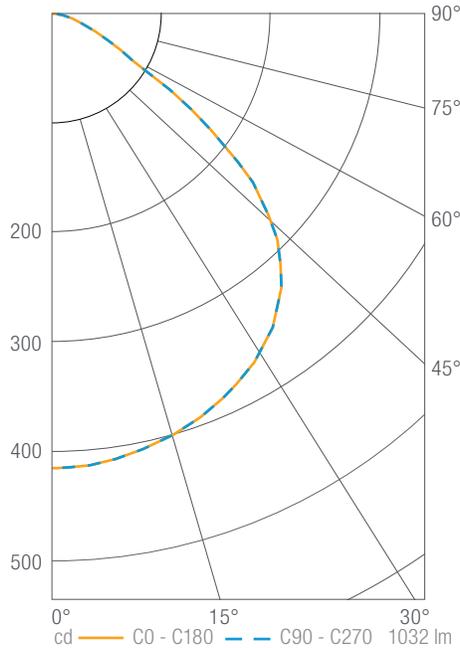
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

## PHOTOMETRY - DOWNLIGHT

### 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

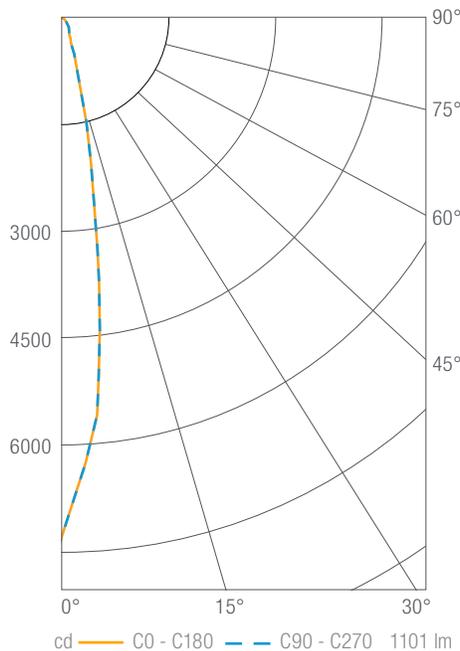
#### Illuminance Chart

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

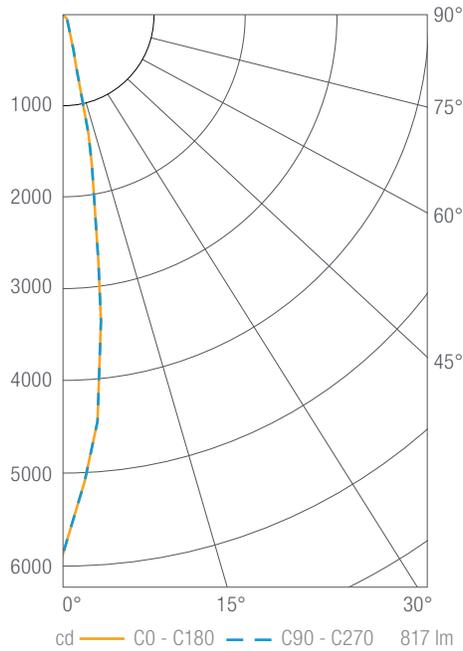
Distance from LED	Foot Candles	Diameter
3'	809	0.9'
6'	202	1.7'
9'	90	2.6'
12'	51	3.4'

Beam Angle: 16°

## PHOTOMETRY - ADJUSTABLE

### DRD4 750 lm, 3000K, Narrow Spot

DRD4M07930NS



Luminous Intensity

Gamma	C 0°
0°	5897
5°	4418
10°	1911
15°	561
20°	280
25°	165
30°	117
35°	87
40°	69
45°	57
50°	47
55°	38
60°	31
65°	23
70°	16
75°	10
80°	4
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	645	79
0-40	701	86
0-60	781	96
0-90	817	100
0-180	817	100

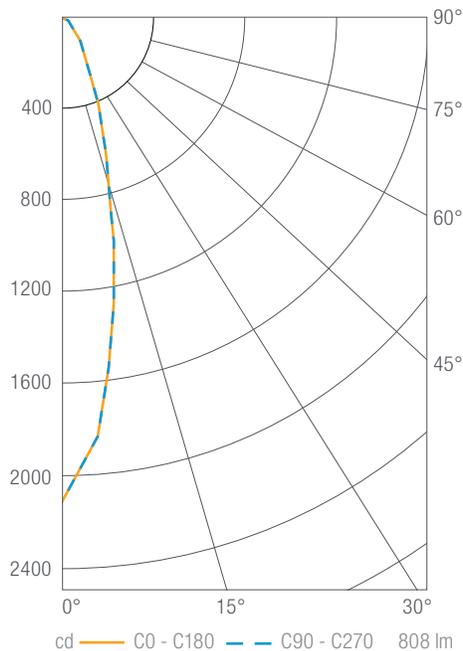
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	655	0.8'
6'	164	1.7'
9'	73	2.5'
12'	41	3.3'

Beam Angle: 16°

### DRD4 750 lm, 3000K, Spot

DRD4M07930SP



Luminous Intensity

Gamma	C 0°
0°	2105
5°	1826
10°	1282
15°	800
20°	497
25°	310
30°	201
35°	137
40°	98
45°	73
50°	57
55°	45
60°	35
65°	23
70°	12
75°	5
80°	3
85°	2
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	573	71
0-40	668	83
0-60	773	96
0-90	808	100
0-180	808	100

Illuminance Chart

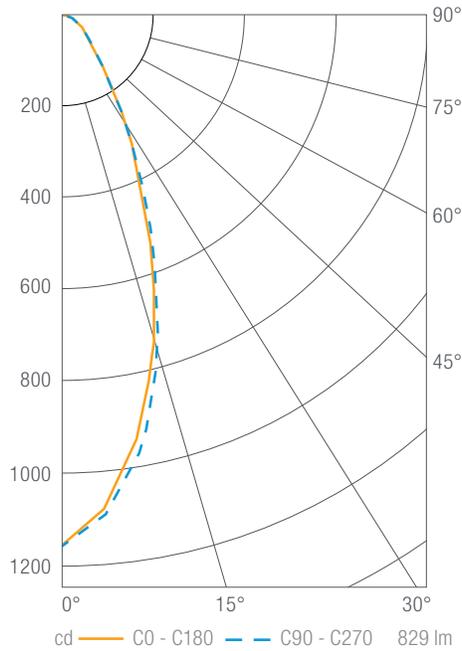
Distance from LED	Foot Candles	Diameter
3'	234	1.3'
6'	58	2.6'
9'	26	3.9'
12'	15	5.2'

Beam Angle: 28°

## PHOTOMETRY - ADJUSTABLE

### DRD4 750 lm, 3000K, Flood

DRD4M07930FL



#### Luminous Intensity

Gamma	C 0°
0°	1158
5°	1081
10°	941
15°	765
20°	576
25°	414
30°	288
35°	192
40°	130
45°	96
50°	76
55°	61
60°	49
65°	38
70°	28
75°	18
80°	10
85°	4
90°	0

Values in candela

#### Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	510	62
0-40	633	76
0-60	766	92
0-90	829	100
0-180	829	100

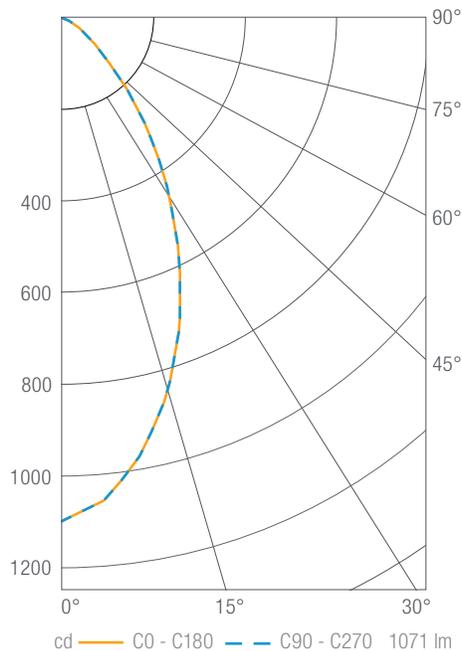
#### Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	129	2.2'
6'	32	4.5'
9'	14	6.7'
12'	8	9.0'

Beam Angle: 41°

### DRD4 1000 lm, 3000K, Wide Flood

DRD4M10930WF



#### 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

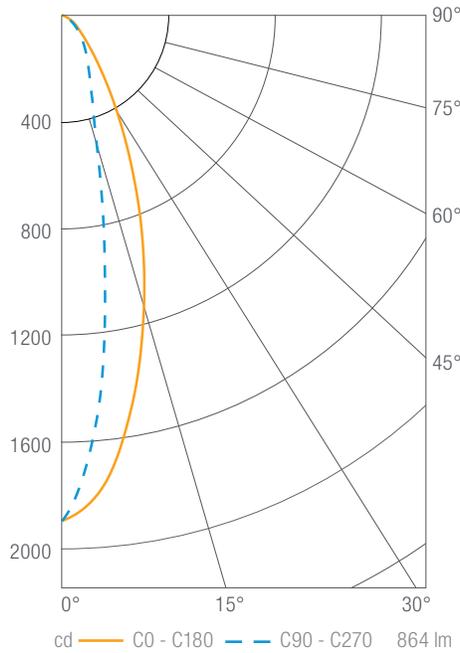
Distance from LED	Foot Candles	Diameter
3'	122	3.1'
6'	31	6.2'
9'	14	9.3'
12'	8	12.3'

Beam Angle: 55°

## PHOTOMETRY - ADJUSTABLE

### DRD4 1000 lm, 3000K, Linear Spread

DRD4M10930LS



Luminous Intensity

Gamma	C 0°
0°	1876
5°	1755
10°	1480
15°	1165
20°	868
25°	602
30°	399
35°	258
40°	169
45°	114
50°	82
55°	62
60°	43
65°	24
70°	9
75°	6
80°	4
85°	1
90°	0

Values in candela

Zonal Lumen Summary

Zone	Lumens	Luminaire %
0-30	580	67
0-40	711	82
0-60	836	97
0-90	864	100
0-180	864	100

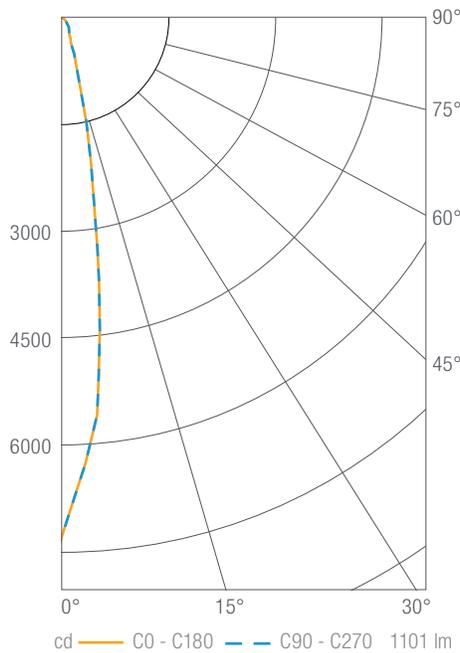
Illuminance Chart

Distance from LED	Foot Candles	Diameter
3'	209	2.1'
6'	52	4.2'
9'	23	6.4'
12'	13	8.5'

Beam Angle: 20°

### DRD4 1000 lm, 3000K, Soft Focus

DRD4M10930SF



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°