

## Multi Stealth Downlight

R1GDT | R1GDL

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_



### PRODUCT DESCRIPTION

Multi Stealth Recessed features a quiet aperture for a nearly glare-free environment. Its linear multi-cell form factor features a 1.5" aperture, with availability in up to 5 lengths. This series offers a downlight with 40° visual cutoff, an adjustable option with 35° bidirectional tilt, and a wall washer with specialized optics for even wall illumination. Trimmed and trimless options allow flexibility when integrating into building architecture.

### SPECIFICATIONS

<b>Construction:</b>	Extruded aluminum construction with die-cast end caps
<b>Mounting:</b>	Heavy gauge retention clips support trim firmly. Safety cabling standard from housing. Ceiling cutout information found in Performance Data. Accommodates 1/2" - 1 1/2" ceiling thickness.
<b>Light Source:</b>	High output 3-step Mac Adam Ellipse SMD LED Rated life of 50,000 hours at L70
<b>Input:</b>	Universal 120-277V AC, 50/60 Hz
<b>Dimming:</b>	0-10V: 100-1% Electronic Low Voltage (ELV), TRIAC: 100-5%
<b>Maximum Delivered Intensity:</b>	Up to 16,055 cd (12 Cell, Spot 16°, 4000K, CRI 90)
<b>Maximum Delivered Output:</b>	Up to 3,595 lm (12 Cell, Narrow 32°, 4000K, CRI 90)
<b>Standards:</b>	ETL & cETL Damp location listed, Energy Star® 2.1 Title 24 JA8 Compliant
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

### BEAM ANGLES



S - 16°



N - 32°



F - 45°

### FINISHES



Black Black  
BKBK



Chrome Black  
CHBK



Gold Black  
GLBK



Haze Black  
HZBK



White Black  
WTBK



Black White  
BKWT



Chrome White  
CHWT



Gold White  
GLWT



Haze White  
HZWT



White White  
WTWT

Model	Size	Beam	*Lumens	*CBCP
R1GDT Trim R1GDL Trimless	02 2 Cell	S 16°	530	2285
		N 32°	550	1290
		F 45°	530	880
	04 4 Cell	S 16°	1030	4700
		N 32°	1070	2410
		F 45°	1070	1800
	06 6 Cell	S 16°	1610	7100
		N 32°	1640	3685
		F 45°	1650	2890
	08 8 Cell	S 16°	2200	9905
		N 32°	2230	5180
		F 45°	2210	3815
12 12 Cell	S 16°	3270	14070	
	N 32°	3360	7610	
	F 45°	3340	5675	

\*Lumens and CBCP are reference values for 3000K Color Temperature and 90 CRI. Refer to Multiplier Table in Performance Data to determine other outputs. Line drawings and measurements for each size and trim are available in Performance Data.

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### ORDERING INFORMATION

CONFIGURATION TABLE					
Model & Power	Size	Beam	Color Temperature & CRI	Reflector Finish	Trim Finish
<b>R1GDL</b> (Trimless) <b>R1GDT</b> (Trim)	<b>02</b> - 2 CELL	<b>S:</b> Spot - 16°	<b>927</b> - 2700K - 90	<b>BK</b> - BLACK	<b>BK</b> - BLACK
	<b>04</b> - 4 CELL	<b>N:</b> Narrow Flood - 32°	<b>930</b> - 3000K - 90	<b>CH</b> - CHROME	<b>WT</b> - WHITE
	<b>06</b> - 6 CELL	<b>F:</b> Flood - 45°	<b>935</b> - 3500K - 90	<b>GL</b> - GOLD	
	<b>08</b> - 8 CELL		<b>940</b> - 4000K - 90	<b>HZ</b> - HAZE	
	<b>12</b> - 12 CELL			<b>WT</b> - WHITE	

**R1GD** \_\_\_ - \_\_\_ - \_\_\_ Example: R1GDL08-N940-BK  
 R1GDT08-N940-BK BK

HOUSINGS (Required)					
Model	Trim	Size	Wattage	Rating	
New Construction Airtight  <b>R1GN</b>	<b>T</b> <i>Trim</i> <b>L</b> <i>Trimless</i>	<b>02</b> 2 CELL	8W	IC	
		<b>04</b> 4 CELL	14W	IC	
		<b>06</b> 6 CELL	20W	IC	
		<b>08</b> 8 CELL	27W	IC	
		<b>12</b> 12 CELL	38W	Non-IC	
Remodel Trim Fixtures Only  <b>R1GR</b>	<b>T</b> <i>Trim</i>	<b>02</b> 2 CELL	8W	Non-IC	
		<b>04</b> 4 CELL	14W	Non-IC	
		<b>06</b> 6 CELL	20W	Non-IC	
		<b>08</b> 8 CELL	27W	Non-IC	
		<b>12</b> 12 CELL	38W	Non-IC	

### ORDERING NOTES

- Trim fixtures (R1GDT) must be ordered with a trim finish.
- Remodel housings (R1GRT) are only compatible with trim fixtures (R1GDT).

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### PERFORMANCE DATA

Size	Trim (R1GDT)	Trimless (R1GDL)
<b>02</b> 2 Cells		
<b>04</b> 4 Cells		
<b>06</b> 6 Cells		
<b>08</b> 8 Cells		
<b>12</b> 12 Cells		

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### Downlight

R1GDT | R1GDL

Fixture Type: \_\_\_\_\_

Project: \_\_\_\_\_

Catalog#: \_\_\_\_\_

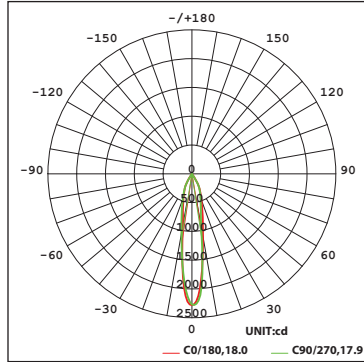
Location: \_\_\_\_\_

### PERFORMANCE DATA

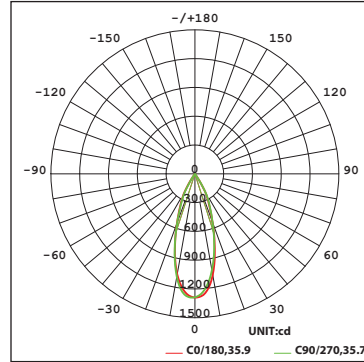
#### Polar Candela Distribution Charts

Samples shown with 2 cell sized (R1GDL02) Black finished fixture set to 3000K and 90 CRI.

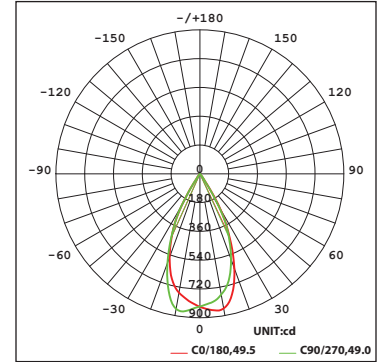
Spot Beam: 16° Beam



Narrow Flood Beam: 32° Beam



Flood Beam: 45° Beam



#### Lumens and CBCP Multiplier Table

Use the below table to determine lumens and CBCP values for the combinations of power, color temperature, and CRI values.

Color Temperature			
927	930	935	940
0.95	1.00	1.05	1.07

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### PERFORMANCE DATA

#### Unified Glare Rating (UGR) Table

UGR values shown are calculated for a 2 cell sized (R1GDL02) Black finished fixture set to 3000K and 90 CRI. General performance of other beam angles shown below.

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	-0.9	-0.2	-0.7	0.0	0.2	-1.1	-0.3	-0.9	-0.2	-0.0	
3H	-1.0	-0.4	-0.8	-0.2	0.0	-1.2	-0.5	-1.0	-0.4	-0.2	
4H	-1.1	-0.5	-0.9	-0.3	-0.1	-1.3	-0.7	-1.1	-0.5	-0.2	
6H	-1.2	-0.6	-0.9	-0.4	-0.1	-1.4	-0.8	-1.1	-0.6	-0.3	
8H	-1.3	-0.7	-1.0	-0.4	-0.2	-1.4	-0.9	-1.1	-0.6	-0.4	
12H	-1.3	-0.7	-1.0	-0.5	-0.2	-1.5	-0.9	-1.2	-0.7	-0.4	
4H	2H	-1.1	-0.5	-0.9	-0.3	-0.1	-1.3	-0.7	-1.1	-0.5	-0.2
	3H	-1.3	-0.7	-1.0	-0.5	-0.2	-1.5	-0.9	-1.2	-0.7	-0.4
	4H	-1.4	-0.9	-1.1	-0.6	-0.3	-1.6	-1.1	-1.2	-0.8	-0.5
	6H	-1.5	-1.0	-1.1	-0.7	-0.4	-1.7	-1.2	-1.3	-0.9	-0.6
	8H	-1.6	-1.1	-1.2	-0.8	-0.4	-1.7	-1.3	-1.4	-1.0	-0.6
	12H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.8	-1.4	-1.4	-1.0	-0.6
8H	4H	-1.6	-1.1	-1.2	-0.8	-0.4	-1.7	-1.3	-1.4	-1.0	-0.6
	6H	-1.7	-1.3	-1.2	-0.9	-0.5	-1.9	-1.5	-1.4	-1.1	-0.7
	8H	-1.7	-1.4	-1.3	-1.0	-0.6	-1.9	-1.6	-1.5	-1.2	-0.7
	12H	-1.8	-1.5	-1.3	-1.1	-0.6	-2.0	-1.7	-1.5	-1.3	-0.8
12H	4H	-1.6	-1.2	-1.2	-0.9	-0.5	-1.8	-1.4	-1.4	-1.0	-0.6
	6H	-1.7	-1.4	-1.3	-1.0	-0.6	-1.9	-1.6	-1.5	-1.2	-0.7
	8H	-1.8	-1.5	-1.3	-1.1	-0.6	-2.0	-1.7	-1.5	-1.3	-0.8

Beam	Size	UGR Range
Spot - 16°	02 2 CELL	≤0
	04 4 CELL	≤3
	06 6 CELL	≤5
	08 8 CELL	≤7
	12 12 CELL	≤8
Narrow Flood - 32°	02 2 CELL	≤1
	04 4 CELL	≤4
	06 6 CELL	≤5
	08 8 CELL	≤7
	12 12 CELL	≤8
Flood - 45°	02 2 CELL	≤2
	04 4 CELL	≤5
	06 6 CELL	≤6
	08 8 CELL	≤8
	12 12 CELL	≤10