



2" LED downlight
Discreet styling, bold performance.

RAB[®]
LIGHTING
RABWEB.COM • 888 722-1000



Clean, unobtrusive design delivers smooth and abundant light from an aperture just over 1 inch wide.

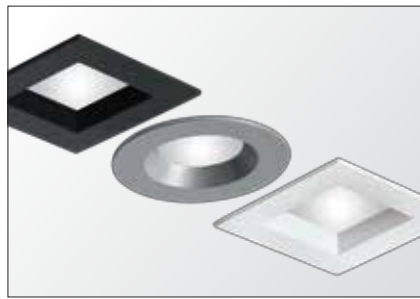
- 8W replaces 50W MR16 with energy savings of 82%
- Up to 696 lumens, 79 lm/W
- TRIAC dimmer compatibility for additional light control*
- Precision-engineered optics deliver smooth light without hot spots or glare
- 100,000-hour LED Lifespan



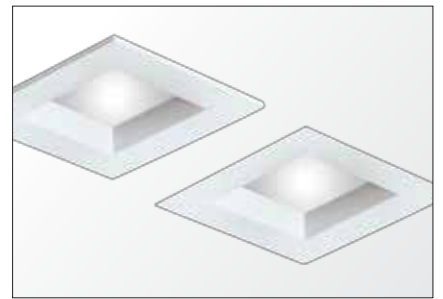
A designer's dream.



1 3/8" aperture with 4 distributions: spot 20°, flood 30°, wide flood 40° and wall washer

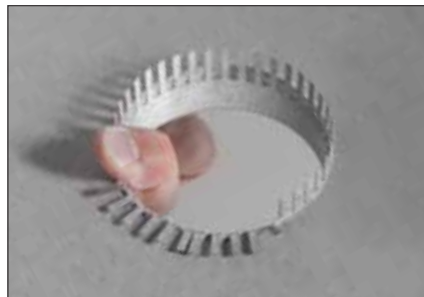


Available with square or round trims in white, black or matte silver finishes



Trim or trimless versions available

Flexible, simple installation.



Remodeler and new construction versions offered. Remodeler includes patent-pending ceiling collar for easy, secure installation.



The low-profile design requires only 3" of space above the ceiling.



RAB's cool-running LED downlight is IC rated, allowing for installation in ceilings where hot-running fixtures are prohibited.

Guaranteed color performance.



Available in three color temperatures: 2700K, 3000K, and 3500K.



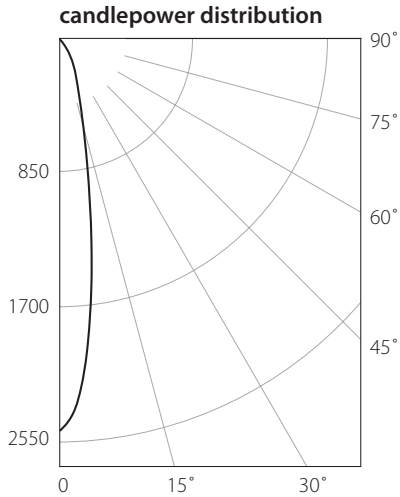
2-step color consistency is warranted to shift less than 200K over 5 years.



Specification-grade luminaire with a high 90 CRI

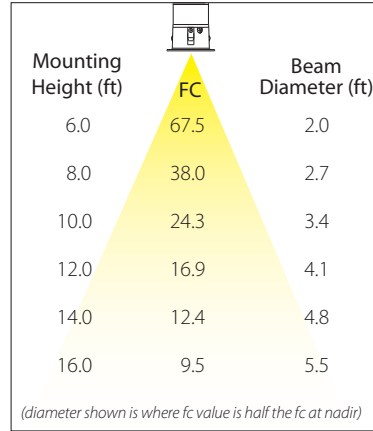
Photometrics - Round Spot, Flood & Wide Flood

2" ROUND - 8W - 20° Optics - 3000K



LUMENS PER WATT: 68

cone of light



Spacing Criteria 0.3

candela distribution

vertical deg.	candelas
0	2430
5	2025
15	660
25	269
35	131
45	32
55	10
65	5
75	2
85	0
90	0

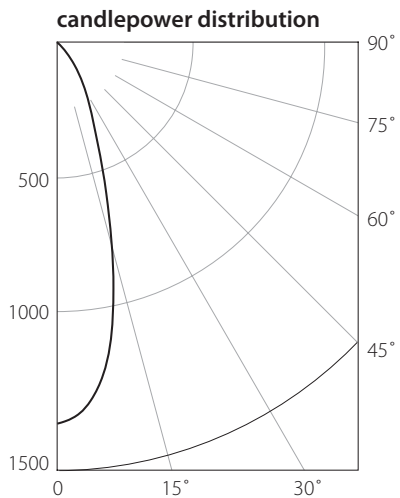
zonal lumen summary

zone	lumens	% fix.
0- 30	481	79.3
0- 40	562	92.7
0- 60	600	98.9
0- 90	607	100.0
90-180	0	0.0
0-180	607	100.0

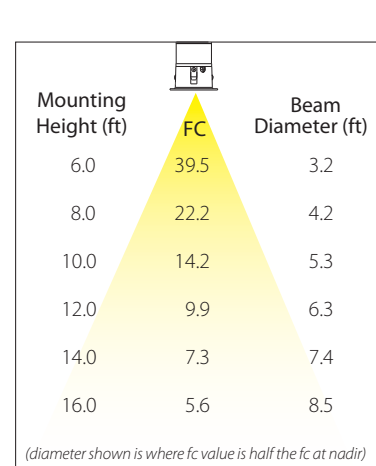
luminance (candela/M²)

angle	avg. luminance
45	25404
55	9787
65	6641
75	4338
85	0

2" ROUND - 8W - 30° Optics - 3000K



LUMENS PER WATT: 68



Spacing Criteria 0.5

candela distribution

vertical deg.	candelas
0	1421
5	1347
15	773
25	294
35	137
45	33
55	11
65	5
75	2
85	0
90	0

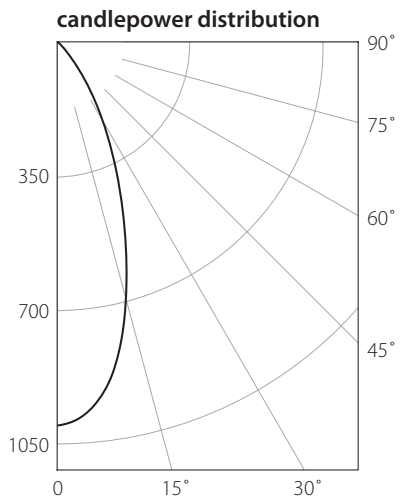
zonal lumen summary

zone	lumens	% fix.
0- 30	473	78.2
0- 40	558	92.3
0- 60	597	98.7
0- 90	605	100.0
90-180	0	0.0
0-180	605	100.0

luminance (candela/M²)

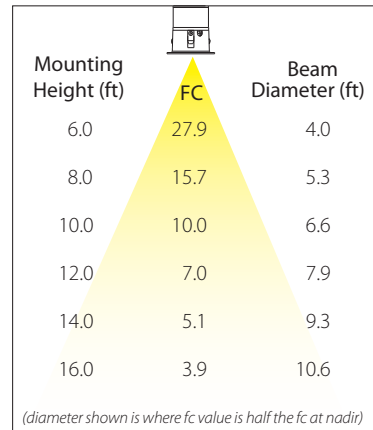
angle	avg. luminance
45	26198
55	10766
65	6641
75	4338
85	0

2" ROUND - 8W - 40° Optics - 3000K



LUMENS PER WATT: 68

cone of light



Spacing Criteria 0.7

candela distribution

vertical deg.	candelas
0	1004
5	971
15	705
25	374
35	156
45	37
55	11
65	5
75	2
85	0
90	0

zonal lumen summary

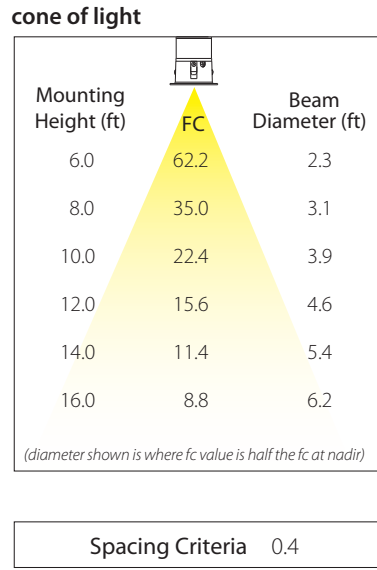
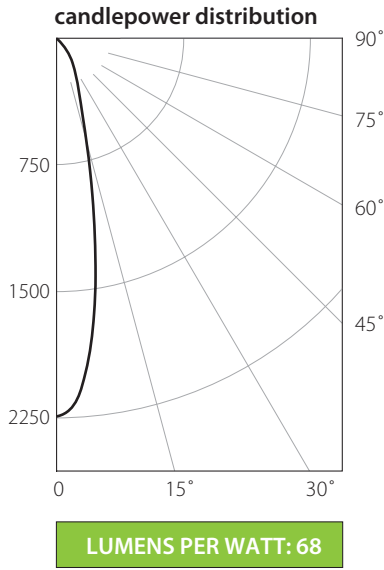
zone	lumens	% fix.
0- 30	456	75.4
0- 40	554	91.7
0- 60	597	98.8
0- 90	604	100.0
90-180	0	0.0
0-180	604	100.0

luminance (candela/M²)

angle	avg. luminance
45	29374
55	10766
65	6641
75	4338
85	0

Photometrics - Square Spot, Flood & Wide Flood

2" SQUARE - 8W - 20° Optics - 3000K



candela distribution

vertical deg.	0.0	22.5	45.0	67.5	90.0
0	1023	1023	1023	1023	1023
5	1031	1031	1030	1031	1031
15	1010	1034	1058	1034	1009
25	714	801	873	801	712
35	366	455	504	455	366
45	78	103	187	103	77
55	23	21	18	20	22
65	13	3	3	3	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

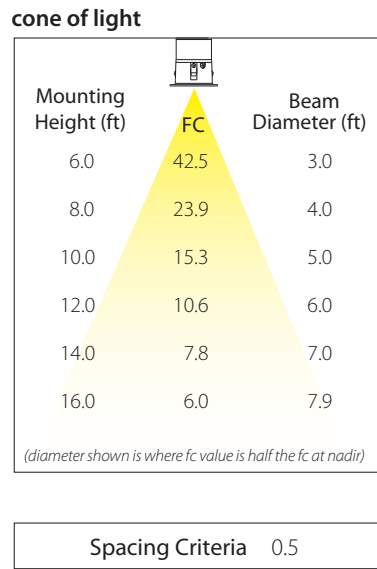
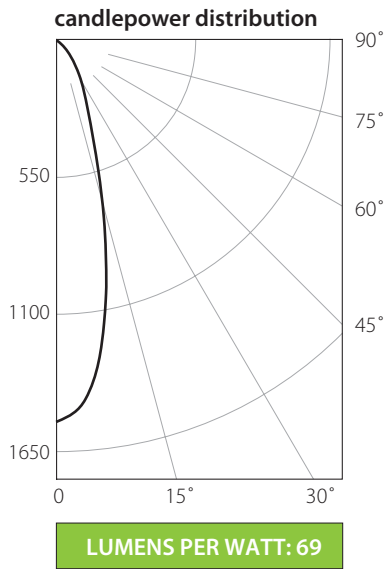
zonal lumen summary

0- 30	493	83.0%
0- 40	562	94.6%
0- 60	590	99.3%
0- 90	595	100.0%
90-180	0	0.0%
0-180	595	100.0%

luminance (candela/M²)

angle	0°	45°	90°
45	12884	24336	13600
55	4412	7942	5294
65	3593	3593	3593
75	1956	1956	1956
85	0	0	0

2" SQUARE - 8W - 30° Optics - 3000K



candela distribution

vertical deg.	0.0	22.5	45.0	67.5	90.0
0	1531	1531	1531	1531	1531
5	1420	1427	1427	1427	1423
15	768	762	744	760	776
25	314	313	296	318	323
35	98	124	151	127	104
45	19	28	51	30	21
55	6	7	12	7	6
65	3	3	3	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

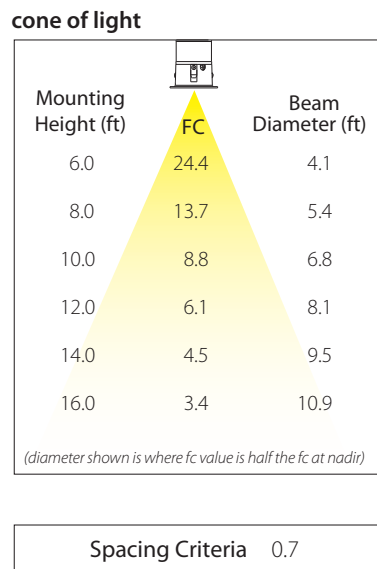
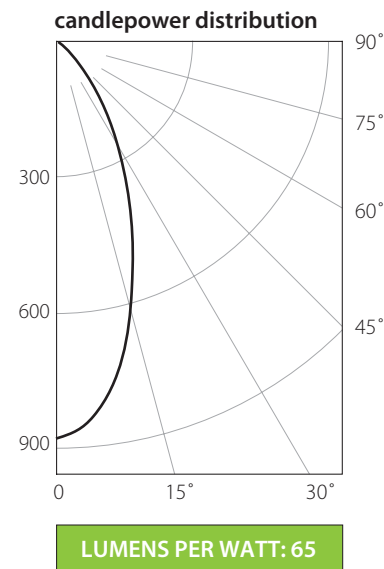
zonal lumen summary

0- 30	482	80.2%
0- 40	562	93.5%
0- 60	597	99.3%
0- 90	602	100.0%
90-180	0	0.0%
0-180	602	100.0%

luminance (candela/M²)

angle	0°	45°	90°
45	13600	36504	15031
55	5294	10589	5294
65	3593	3593	3593
75	1956	1956	1956
85	0	0	0

2" SQUARE - 8W - 40° Optics - 3000K



candela distribution

vertical deg.	0.0	22.5	45.0	67.5	90.0
0	879	879	879	879	879
5	839	842	842	843	841
15	607	616	620	614	605
25	355	372	369	374	356
35	129	157	186	160	131
45	31	41	61	40	31
55	10	10	15	9	9
65	4	4	4	4	4
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

zonal lumen summary

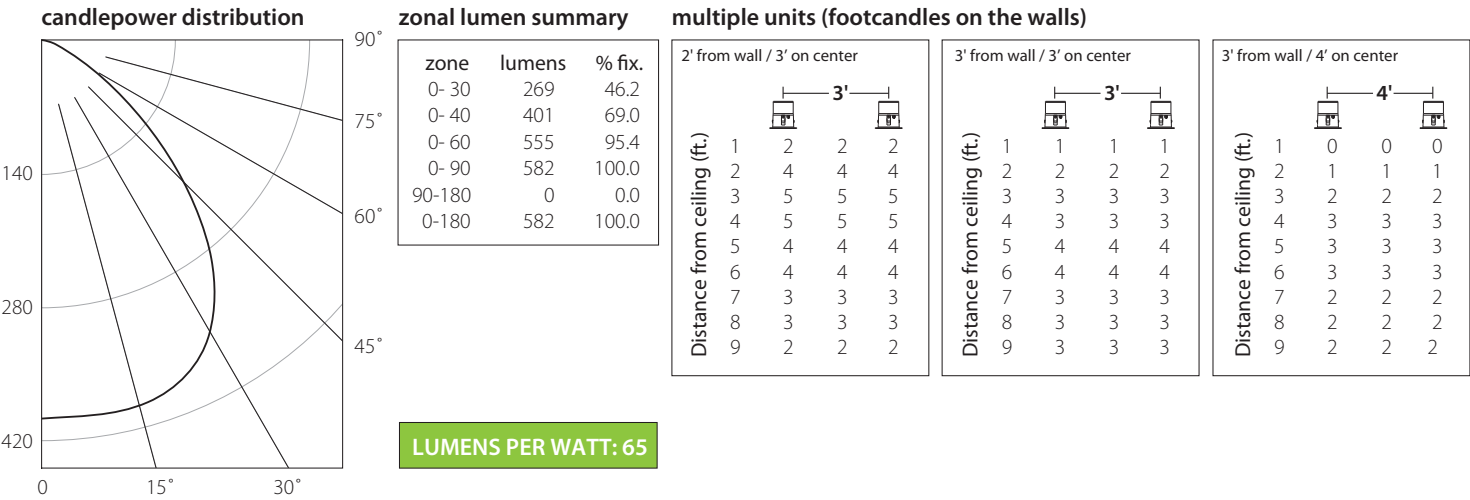
0- 30	415	73.2%
0- 40	515	90.9%
0- 60	562	99.1%
0- 90	567	100.0%
90-180	0	0.0%
0-180	567	100.0%

luminance (candela/M²)

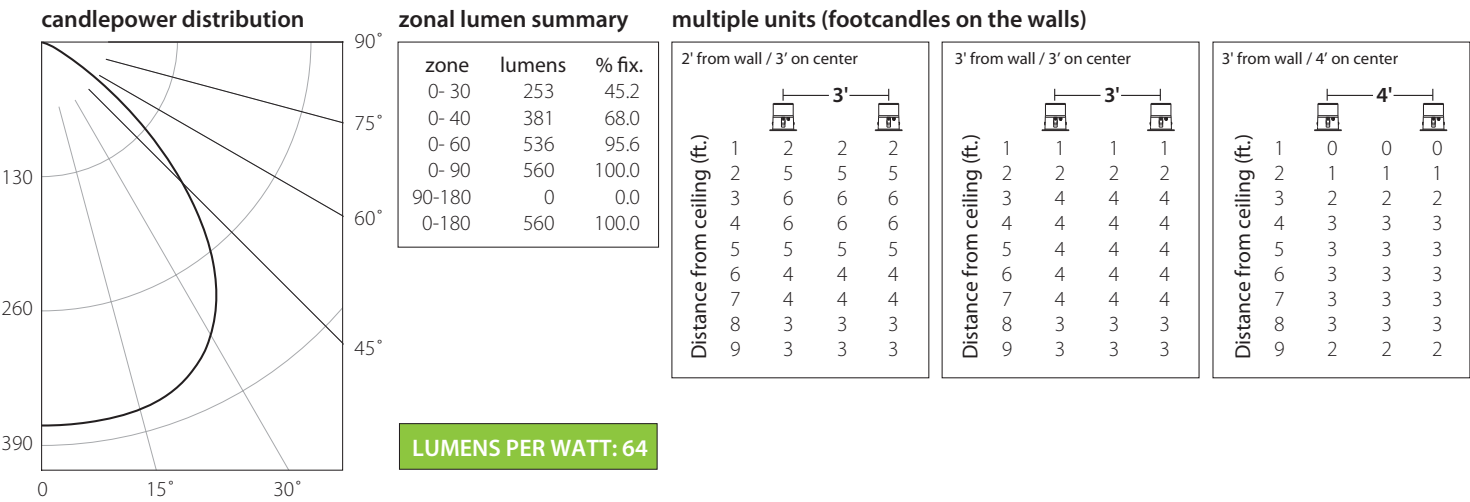
angle	0°	45°	90°
45	22189	43662	22189
55	8824	13236	7942
65	4790	4790	4790
75	1956	1956	1956
85	0	0	0

Photometrics - Wall Washers

2" ROUND - 8W - Wall Washer - 3000K



2" SQUARE - 8W - Wall Washer - 3000K



Catalog Number Matrix

REMODELER

Product Family	Size	Shape	Wattage	Optics	Color Temp	Trim	Trim Ring Color
RDLED	2		8				
		R Round		20 20°	YN 3500K	T 1/2" Trim	S Matte Silver
		S Square		30 30°	Y 3000K	TL Trimless	W White
				40 40°	YY 2700K		B Black
				W Wall Washer			

NEW CONSTRUCTION ROUGH-IN (Remodeler is required to complete a New Construction fixture assembly)

Product Family	Size	Trim
ND	2	
		T 1/2" Trim
		TL Trimless

Specifications

UL Listing: Suitable for wet locations in a covered ceiling

IC Rating: Suitable for direct contact with insulation

LED: High-output, long-life LED with 2-step binning and integrated driver technology

Lumen Maintenance: 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Driver: Constant Current, Class 2, 120VAC, 50/60Hz, 200mA, 0.07A

Dimming: TRIAC and ELV dimming compatibility (120V only)*

Color Consistency: 2-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Lens: Nanostructure lens eliminates "hot spots", and helps provide smooth, uniform light and higher efficiency

Housing: Specification-grade, die-cast aluminum construction

Installation: Torsion springs easily install into ceiling collar (remodeler) or rough-in (new construction)

IESNA LM-79 & LM-80 Testing: RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Green Technology: Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Title 24: Complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general lighting when used with a vacancy sensor (RAB's LVS800) and TRIAC dimmer (by others).

Patents: Design is protected by patents pending in US, Canada, China, Taiwan & Mexico.

*See dimmer compatibility for complete list.

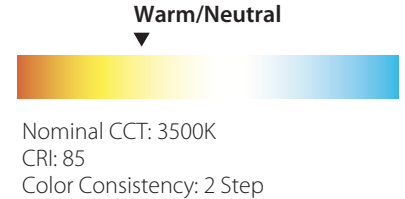
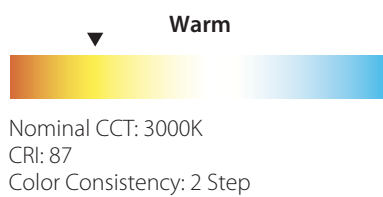
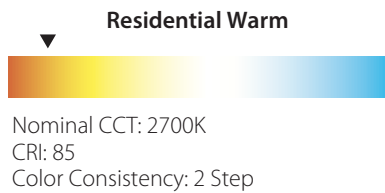
Dimmer Compatibility List

BRAND	MODEL
PASS & SEYMOUR	LEGRAND D703P
LUTRON	DIVA DV-603P
LUTRON	SKYLARK S-600P
LUTRON	SKYLARK SELV-300P
LUTRON	CASETA/PD-6WCL-WH
LUTRON	SKYLARK CTCL-153P
LEVITON	DECORA IPL06-10Z
LEVITON	DECORA 6631-P
LEVITON	VIZIA RF ZWAVE/VRMX1

Note: Bottom trim required

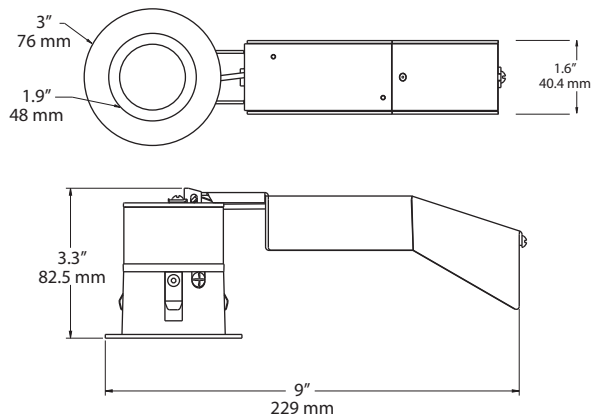
Color Temperature

Color Consistency and Stability - RAB LED color consistency is reported in MacAdam ellipses and is shown below. RAB LED color stability is measured based on LM-80 testing and is available upon request.

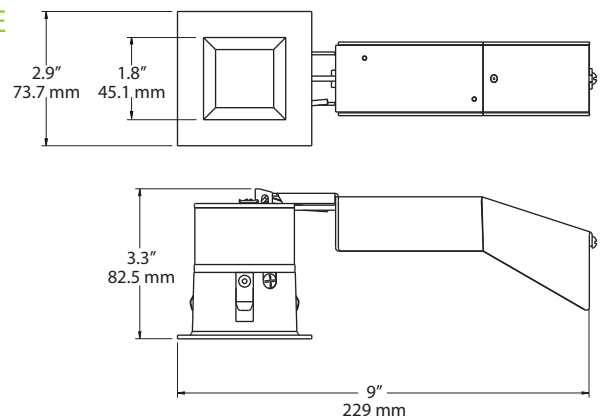


Dimensions

ROUND



SQUARE



NEW CONSTRUCTION ROUGH-IN

