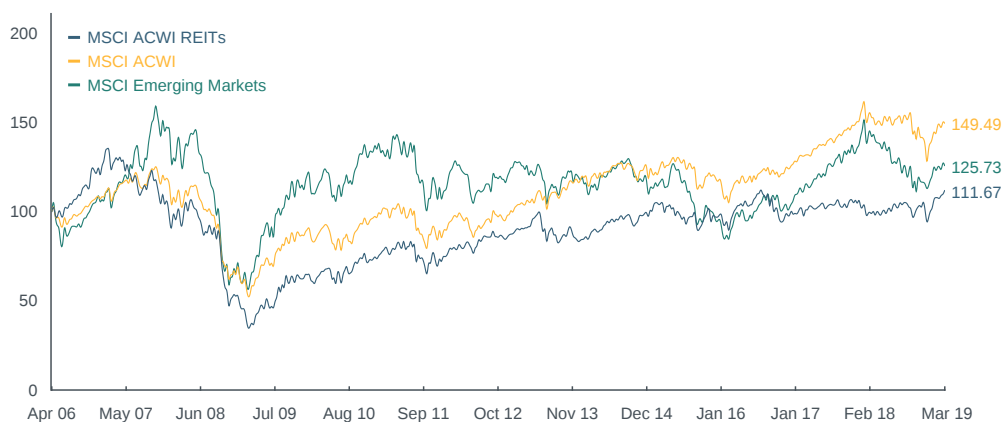


# MSCI ACWI REITS INDEX (USD)

The MSCI ACWI REITs Index is a free float-adjusted market capitalization index that captures large and mid cap representation across 23 Developed and 24 Emerging Markets countries\*. All securities in the index are classified in the Equity REITs Industry (under the Real Estate) according to the Global Industry Classification Standard (GICS®).

## CUMULATIVE INDEX PERFORMANCE - PRICE RETURNS (USD) (APR 2006 – MAR 2019)



## ANNUAL PERFORMANCE (%)

Year	MSCI ACWI REITs	MSCI ACWI	MSCI Emerging Markets
2018	-8.62	-11.18	-16.63
2017	7.43	21.62	34.35
2016	1.04	5.63	8.58
2015	-1.56	-4.26	-16.96
2014	17.89	2.10	-4.63
2013	-3.66	20.25	-4.98
2012	17.91	13.43	15.15
2011	-0.43	-9.41	-20.41
2010	15.83	10.42	16.36
2009	19.76	31.51	74.50
2008	-48.15	-43.54	-54.47
2007	-16.44	9.64	36.46

## INDEX PERFORMANCE — PRICE RETURNS (%) (MAR 29, 2019)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED			
					3 Yr	5 Yr	10 Yr	Since Apr 28, 2006
MSCI ACWI REITs	3.97	15.16	12.35	15.16	2.55	4.58	11.20	0.86
MSCI ACWI	1.01	11.61	0.54	11.61	8.49	4.35	9.67	3.16
MSCI Emerging Markets	0.68	9.56	-9.63	9.56	8.14	1.24	6.38	1.79

## FUNDAMENTALS (MAR 29, 2019)

Div Yld (%)	P/E	P/E Fwd	P/BV
3.76	26.23	32.65	2.15
2.54	17.09	14.77	2.27
2.71	13.11	11.84	1.64

## INDEX RISK AND RETURN CHARACTERISTICS (MAR 29, 2019)

	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since Apr 28, 2006 (%)	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
		3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI ACWI REITs	2.20	11.84	12.61	16.01	0.16	0.35	0.71	0.08	76.07	2007-02-07—2009-03-09
MSCI ACWI	2.56	10.03	11.06	13.93	0.73	0.36	0.69	0.19	59.61	2007-10-31—2009-03-09
MSCI Emerging Markets	6.94	13.00	15.24	18.69	0.56	0.10	0.39	0.13	66.05	2007-10-29—2008-10-27

<sup>1</sup> Last 12 months

<sup>2</sup> Based on monthly price returns data

<sup>3</sup> Based on ICE LIBOR 1M

\* DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

The MSCI ACWI REITs Index was launched on May 01, 2006. Data prior to the launch date is back-tested data (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance -- whether actual or back-tested -- is no indication or guarantee of future performance.

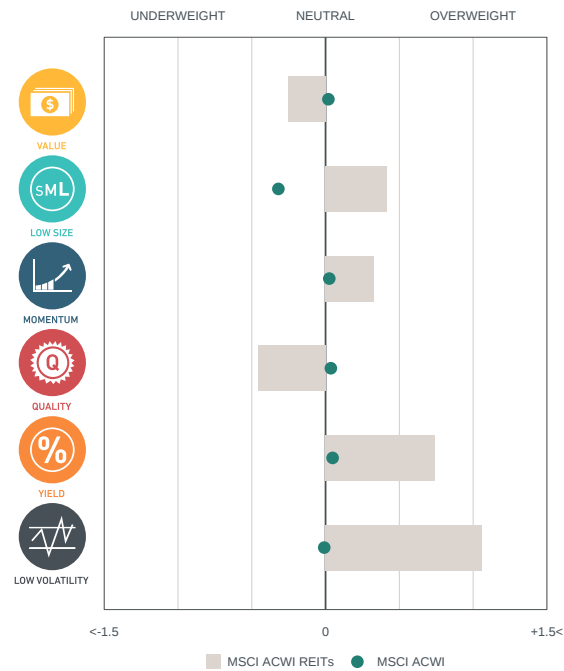
## INDEX CHARACTERISTICS

MSCI ACWI REITs	
Number of Constituents	76
Mkt Cap ( USD Millions)	
Index	1,010,477.91
Largest	86,802.54
Smallest	571.15
Average	13,295.76
Median	8,547.49

## TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap ( USD Billions)	Index Wt. (%)
AMERICAN TOWER CORP	US	86.80	8.59
SIMON PROPERTY GROUP	US	56.36	5.58
CROWN CASTLE INTL CORP	US	53.10	5.26
PROLOGIS	US	45.29	4.48
EQUINIX	US	36.43	3.61
PUBLIC STORAGE	US	34.18	3.38
WELLTOWER INC	US	29.15	2.88
EQUITY RESIDENTIAL	US	27.75	2.75
AVALONBAY COMMUNITIES	US	27.75	2.75
LINK REIT	HK	24.70	2.44
<b>Total</b>		<b>421.51</b>	<b>41.71</b>

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN MSCI FACTOR BOX



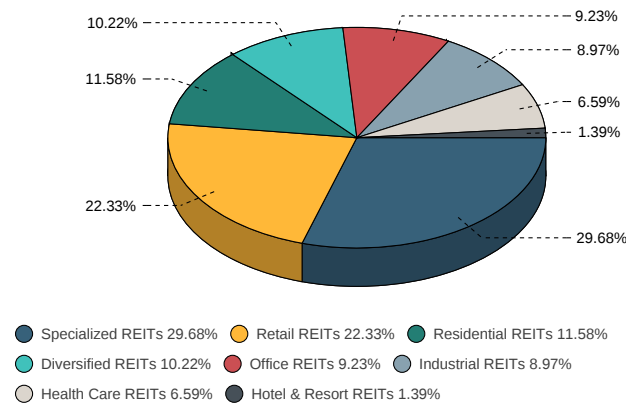
## MSCI FaCS

- VALUE**  
Relatively Inexpensive Stocks
- LOW SIZE**  
Smaller Companies
- MOMENTUM**  
Rising Stocks
- QUALITY**  
Sound Balance Sheet Stocks
- YIELD**  
Cash Flow Paid Out
- LOW VOLATILITY**  
Lower Risk Stocks

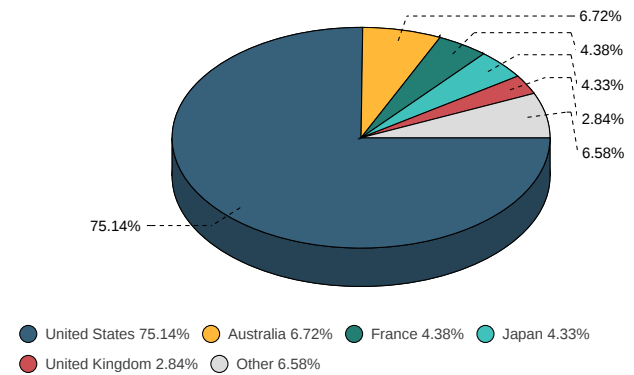
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

## SUB-INDUSTRY WEIGHTS



## COUNTRY WEIGHTS



## INDEX METHODOLOGY

The index is based on the [MSCI Global Investable Indexes \(GIMI\) Methodology](#)—a comprehensive and consistent approach to index construction that allows for meaningful global views and cross regional comparisons across all market capitalization size, sector and style segments and combinations. This methodology aims to provide exhaustive coverage of the relevant investment opportunity set with a strong emphasis on index liquidity, investability and replicability. The index is reviewed quarterly—in February, May, August and November—with the objective of reflecting change in the underlying equity markets in a timely manner, while limiting undue index turnover. During the May and November semi-annual index reviews, the index is rebalanced and the large and mid capitalization cutoff points are recalculated.

## FACTOR BOX AND FaCS METHODOLOGY

MSCI FaCS is a standard method ([MSCI FaCS Methodology](#)) for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

## ABOUT MSCI

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