

# SPDR ETF European Monthly Liquidity Playbook

Trading Currency Ticker				Name	ISIN	Inception Date	TER	AUM (Mln, \$)	Monthly Flows (Mln, \$)	Costs				Volumes	
€ Ticker	\$ Ticker	£ Ticker	CHF Ticker							ETF Monthly Avg On-Exc Spread (bps)*	Basket Avg Spread (bps)	5m\$ Impact Basket (bps)**	20m\$ Impact Basket (bps)**	ETF Consolidated Monthly Tape ADV (\$)	Basket 5D ADV (\$)

## Equity

Equity — Global															
SPYJ	GLRE	GBRE	GBRE	SPDR Dow Jones Global Real Estate UCITS ETF (Dist)	IE00B8GF1M35	23/10/2012	0.40	938	-15.49	27.58	8.52	5.10	7.26	4,560,258	392,044,774
SPY2	GLRA	—	—	SPDR Dow Jones Global Real Estate UCITS ETF (Acc)	IE00BH4GR342	17/10/2019	0.40	0.39	0.35	62.14	8.52	5.10	7.26	6,702	***392044774
SPYI	IMID	—	—	SPDR MSCI ACWI IMI UCITS ETF	IE00B3YLT666	13/05/2011	0.40	165	0.28	20.61	5.52	2.66	3.16	2,553,541	24,154,677,038
SPYY	ACWD	ACWI	ACWI	SPDR MSCI ACWI UCITS ETF	IE00B44Z5B48	13/05/2011	0.40	1,550	8.32	8.67	3.96	1.96	2.34	26,623,370	117,122,551,752
SPP1	—	—	—	SPDR MSCI ACWI EUR Hedged UCITS ETF (Acc)	IE00BF1B7389	30/09/2019	0.45	41	14.73	51.06	3.96	1.96	2.34	1,988,367	***117122551752
SPPW	SWRD	SWLD	—	SPDR MSCI World UCITS ETF (Acc)	IE00BFY0GT14	28/02/2019	0.12	345	59.77	13.94	3.63	1.80	2.16	10,175,489	133,309,156,142
ZPRS	WDSC	WOSC	WOSC	SPDR MSCI World Small Cap UCITS ETF	IE00BCBJG560	25/11/2013	0.45	411	—	25.93	13.02	5.88	6.73	3,579,897	13,111,661,577
ZPRG	GLDV	GBDV	GLDV	SPDR S&P Global Dividend Aristocrats UCITS ETF	IE00B9CQXS71	14/05/2013	0.45	693	32.18	19.68	6.40	5.27	6.98	11,795,778	2,095,914,260

Source: Bloomberg, SPDR Capital Markets, Nomura Instinet TradeSpex. As of 31 December 2019.

\* Average spread of best listing during previous month.

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<b>Equity — Developed Region/Country</b>															
ZPRL	—	LOWE	ELOW	SPDR EURO STOXX Low Volatility UCITS ETF	IE00BFTWP510	24/03/2014	0.30	203	-9.17	34.59	5.99	4.08	5.45	1,460,799	2,857,021,400
ZPRP	—	EURL	—	SPDR FTSE EPRA Europe EX UK Real Estate UCITS ETF	IE00BSJCQV56	10/08/2015	0.30	98	-3.85	47.84	10.34	7.24	9.56	1,000,393	810,119,493
SPYF	—	FTAL	FTAL	SPDR FTSE UK All Share UCITS ETF (Acc)	IE00B7452L46	28/02/2012	0.20	687	20.89	12.39	7.06	5.52	6.59	21,507,212	6,791,772,606
—	—	ZPRD	FTAD	SPDR FTSE UK All Share UCITS ETF (Dist)	IE00BD5FCF91	27/04/2018	0.20	102	23.41	29.69	7.06	5.52	6.59	1,047,588	***6791772606
ZPRE	—	EMUE	EURO	SPDR MSCI EMU UCITS ETF	IE00B910VR50	25/01/2013	0.18	264	-25.20	11.01	3.65	2.62	3.47	8,423,214	22,041,524,065
ERO	—	ERO	EROX	SPDR MSCI Europe UCITS ETF	IE00BKWQ0Q14	31/05/2001	0.25	660	—	13.77	3.73	2.83	3.53	3,186,746	31,664,961,981
SMC	—	EUSC	SMCX	SPDR MSCI Europe Small Cap UCITS ETF	IE00BKWQ0M75	31/03/2005	0.30	194	-6.93	35.43	15.86	8.88	10.01	3,415,703	3,744,768,638
ZPRX	—	EUSV	—	SPDR MSCI Europe Small Cap Value Weighted UCITS ETF	IE00BSPLC298	18/02/2015	0.30	34	4.23	39.95	18.19	10.06	11.55	306,157	2,531,382,328
ZPRW	—	EVAL	EVAL	SPDR MSCI Europe Value UCITS ETF	IE00BSPLC306	18/02/2015	0.25	4	—	31.92	3.76	3.57	4.73	77,098	8,418,597,465
ZPRV	USSC	—	—	SPDR MSCI USA Small Cap Value Weighted UCITS ETF	IE00BSPLC413	18/02/2015	0.30	35	—	41.13	13.58	6.00	7.18	513,834	15,009,466,222
ZPRU	USVL	UVAL	UVAL	SPDR MSCI USA Value UCITS ETF	IE00BSPLC520	18/02/2015	0.25	38	4.35	14.81	3.33	2.20	3.01	892,339	17,925,852,121
ZPDW	—	—	—	SPDR MSCI Japan EUR Hedged UCITS ETF	IE00BZ0G8C04	30/11/2015	0.35	520	—	51.66	4.42	3.47	4.74	488	6,340,764,713
ZPDJ	—	JPJP	—	SPDR MSCI Japan UCITS ETF	IE00BZ0G8B96	30/11/2015	0.30	5	—	43.31	4.42	3.47	4.74	91,301	6,340,764,713
ZPRR	R2US	R2SC	R2US	SPDR Russell 2000 U.S. Small Cap UCITS ETF	IE00BJ38QD84	30/06/2014	0.30	632	13.78	12.43	19.39	7.83	8.85	1,714,171	13,708,321,371
SPY4	SPY4	—	SPY4	SPDR S&P 400 U.S. Mid Cap UCITS ETF	IE00B4YBJ215	30/01/2012	0.30	718	-8.16	11.55	10.03	4.67	5.66	7,484,481	12,364,320,208
SPY5	SPY5	SPX5	SPY5	SPDR S&P 500 UCITS ETF (Dist)	IE00B6YX5C33	19/03/2012	0.09	4,394	130.76	5.26	2.96	1.46	1.80	81,203,232	113,892,243,728
SPPE	—	—	—	SPDR S&P 500 Euro Hdg UCITS ETF (Acc)	IE00BYYW2V44	31/10/2018	0.12	117	34.17	15.75	2.96	1.46	1.80	2,599,614	***113892243728
SPY1	LOWV	USLV	LOWV	SPDR S&P 500 Low Volatility UCITS ETF	IE00B802KR88	03/10/2012	0.35	377	-76.67	12.31	3.44	2.06	2.73	17,403,132	12,168,192,664

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<b>Equity — Developed Region/Country (cont'd)</b>															
SPYW	—	EUDV	EUDV	SPDR S&P Euro Dividend Aristocrats UCITS ETF	IE00B5M1WJ87	28/02/2012	0.30	2,124	45.98	8.24	5.79	5.46	7.79	46,479,770	939,720,135
ZPRA	ASDV	PADV	PADV	SPDR S&P Pan Asia Dividend Aristocrats UCITS ETF	IE00B9KNR336	14/05/2013	0.55	223	24.60	32.63	12.75	8.62	12.43	2,795,346	26,098,488
SPYG	—	UKDV	UKDV	SPDR S&P UK Dividend Aristocrats UCITS ETF	IE00B6S2Z822	28/02/2012	0.30	142	6.51	34.08	10.08	9.35	13.16	2,771,464	482,903,903
SPYD	UDVD	USDV	USDV	SPDR S&P US Dividend Aristocrats UCITS ETF	IE00B6YX5D40	14/10/2011	0.35	3,603	56.00	14.28	5.35	3.13	4.23	41,965,668	6,120,817,405
SPPD	—	—	—	SPDR S&P US Dividend Aristocrats EUR Hedged UCITS ETF	IE00B979GK47	17/06/2019	0.40	28	—	36.55	5.35	3.13	4.23	48,557	6,120,817,405
<b>ESG</b>															
ZPDX	—	—	—	SPDR STOXX EUROPE 600 ESG Screened UCITS ETF (Acc)	IE00BK5H8015	30/09/2019	0.12	26	13.72	56.01	4.25	3.05	3.72	958,664	32,550,516,965
SPPY	—	—	—	SPDR S&P 500 ESG UCITS ETF (Acc)	IE00BH4GPZ28	03/12/2019	0.10	12	12.11	53.38	N/A	N/A	N/A	166,144	N/A
<b>Equity — Sectors</b>															
STR	—	—	STRX	SPDR MSCI Europe Consumer Discretionary UCITS ETF	IE00BKWQ0C77	30/09/2001	0.30	191	-7.31	20.46	4.20	4.43	6.10	1,070,203	4,108,616,803
STS	—	—	STSX	SPDR MSCI Europe Consumer Staples UCITS ETF	IE00BKWQ0D84	30/09/2001	0.30	586	-5.60	34.19	3.52	3.97	5.44	2,189,065	3,358,109,669
STN	—	—	STNX	SPDR MSCI Europe Energy UCITS ETF	IE00BKWQ0F09	31/08/2001	0.30	397	9.60	43.61	2.84	4.26	6.09	1,993,925	1,933,289,866
STZ	—	—	STZX	SPDR MSCI Europe Financials UCITS ETF	IE00BKWQ0G16	31/08/2001	0.30	820	16.26	16.04	3.92	3.79	5.04	8,631,400	6,112,144,009
STW	—	—	STWX	SPDR MSCI Europe Health Care UCITS ETF	IE00BKWQ0H23	30/09/2001	0.30	425	4.37	21.58	2.91	3.70	5.14	1,826,745	3,644,520,318
STQ	—	—	STQX	SPDR MSCI Europe Industrials UCITS ETF	IE00BKWQ0J47	30/09/2001	0.30	359	—	51.57	4.48	4.22	5.54	709,163	4,412,526,554
STK	—	—	STKX	SPDR MSCI Europe Technology UCITS ETF	IE00BKWQ0K51	31/08/2001	0.30	32	—	37.54	3.64	4.53	6.41	338,536	2,525,439,618

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<b>Equity — Sectors (cont'd)</b>															
<b>STP</b>	—	—	<b>STPX</b>	SPDR MSCI Europe Materials UCITS ETF	IE00BKWQ0L68	30/09/2001	0.30	18	5.78	39.66	4.10	4.51	6.22	1,338,505	2,487,530,338
<b>STT</b>	—	—	<b>STTX</b>	SPDR MSCI Europe Communication Services UCITS ETF	IE00BKWQ0N82	30/09/2001	0.30	10	-8.10	32.55	4.25	5.02	7.02	1,451,714	1,871,680,032
<b>STU</b>	—	—	<b>STUX</b>	SPDR MSCI Europe Utilities UCITS ETF	IE00BKWQ0P07	30/09/2001	0.30	38	1.68	31.37	3.62	4.64	6.60	866,718	2,081,755,003
<b>ZPDD</b>	<b>SXLY</b>	—	—	SPDR S&P U.S. Consumer Discretionary Select Sector UCITS ETF	IE00BWBXM278	07/07/2015	0.15	119	30.81	21.44	3.44	2.28	3.13	4,618,726	14,619,594,959
<b>ZPDS</b>	<b>SXLP</b>	—	—	SPDR S&P U.S. Consumer Staples Select Sector UCITS ETF	IE00BWBXM385	07/07/2015	0.15	155	-5.79	22.66	2.32	1.92	2.79	6,727,458	6,758,392,672
<b>ZPDE</b>	<b>SXLE</b>	—	—	SPDR S&P U.S. Energy Select Sector UCITS ETF	IE00BWBXM492	07/07/2015	0.15	131	1.95	23.35	2.87	2.85	4.38	5,011,972	5,379,214,489
<b>ZPDF</b>	<b>SXLF</b>	—	—	SPDR S&P U.S. Financials Select Sector UCITS ETF	IE00BWBXM500	07/07/2015	0.15	597	16.12	22.86	2.78	1.94	2.68	7,651,589	13,084,809,322
<b>ZPDH</b>	<b>SXLV</b>	—	—	SPDR S&P U.S. Health Care Select Sector UCITS ETF	IE00BWBXM617	07/07/2015	0.15	172	5.78	21.65	3.51	2.28	3.10	3,194,379	13,562,328,893
<b>ZPDI</b>	<b>SXLI</b>	—	—	SPDR S&P U.S. Industrials Select Sector UCITS ETF	IE00BWBXM724	07/07/2015	0.15	73	9.76	21.39	4.06	2.54	3.44	2,891,865	10,730,341,422
<b>ZPDM</b>	<b>SXLB</b>	—	—	SPDR S&P U.S. Materials Select Sector UCITS ETF	IE00BWBXM831	07/07/2015	0.15	12	1.32	27.33	4.78	3.77	5.60	1,489,713	2,919,939,066
<b>ZPDT</b>	<b>SXLK</b>	—	—	SPDR S&P U.S. Technology Select Sector UCITS ETF	IE00BWBXM948	07/07/2015	0.15	229	4.62	19.67	2.03	1.50	2.07	3,681,750	27,858,545,749
<b>ZPDU</b>	<b>SXLU</b>	—	—	SPDR S&P U.S. Utilities Select Sector UCITS ETF	IE00BWBXMB69	07/07/2015	0.15	28	-0.04	22.91	2.69	2.28	3.37	2,325,746	4,281,449,627
<b>ZPKD</b>	<b>SXLC</b>	<b>GXLC</b>	—	SPDR S&P U.S. Communication Services Select Sector UCITS ETF	IE00BFWFPX50	14/08/2018	0.15	212	4.38	21.07	3.05	2.22	3.12	2,074,786	11,029,995,129
<b>WCOD</b>	<b>WCOD</b>	—	—	SPDR MSCI World Consumer Discretionary UCITS ETF	IE00BYTRR640	02/05/2016	0.30	21	-4.58	37.58	3.93	2.55	3.35	95,943	18,187,797,343
<b>WCOS</b>	<b>WCOS</b>	—	—	SPDR MSCI World Consumer Staples UCITS ETF	IE00BYTRR756	02/05/2016	0.30	43	-1.87	39.92	3.17	2.50	3.38	330,511	9,686,417,535

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<b>Equity — Sectors (cont'd)</b>															
WNRG	WNRG	—	—	SPDR MSCI World Energy UCITS ETF	IE00BYTRR863	02/05/2016	0.30	258	6.48	28.47	2.90	2.80	3.97	2,126,860	7,849,526,141
WFIN	WFIN	—	—	SPDR MSCI World Financials UCITS ETF	IE00BYTRR970	02/05/2016	0.30	124	-6.49	38.16	3.64	2.35	3.05	638,616	21,676,162,542
WHEA	WHEA	—	—	SPDR MSCI World Health Care UCITS ETF	IE00BYTRRB94	02/05/2016	0.30	329	139.28	29.27	3.63	2.45	3.26	15,235,046	18,046,777,701
WIND	WNDU	—	—	SPDR MSCI World Industrials UCITS ETF	IE00BYTRRC02	02/05/2016	0.30	46	—	41.83	4.86	2.98	3.79	417,254	14,560,541,897
WMAT	WMAT	—	—	SPDR MSCI World Materials UCITS ETF	IE00BYTRRF33	02/05/2016	0.30	16	—	35.82	4.93	3.68	5.01	213,607	6,584,807,660
WTCH	WTEC	—	—	SPDR MSCI World Technology UCITS ETF	IE00BYTRRD19	02/05/2016	0.30	194	5.15	29.71	2.68	1.77	2.34	2,815,426	33,647,032,456
WTEL	WTEL	—	—	SPDR MSCI World Communication Services UCITS ETF	IE00BYTRRG40	02/05/2016	0.30	64	—	26.81	3.54	2.30	3.07	317,370	15,613,755,878
WUTI	WUTI	—	—	SPDR MSCI World Utilities UCITS ETF	IE00BYTRRH56	02/05/2016	0.30	20	—	41.98	3.56	2.74	3.81	104,774	6,093,227,719
<b>Equity — Emerging Markets</b>															
SPYA	EMAD	EMAS	EMAS	SPDR MSCI EM Asia UCITS ETF	IE00B466KX20	13/05/2011	0.55	765	5.20	15.29	7.85	20.35	35.88	9,716,465	16,965,369
SPYX	EMSD	EMSM	—	SPDR MSCI Emerging Markets Small Cap UCITS ETF	IE00B48X4842	13/05/2011	0.55	84	4.87	63.28	12.71	20.63	27.81	799,232	264,102,254
SPYM	EMRD	EMRG	EMRG	SPDR MSCI Emerging Markets UCITS ETF	IE00B469F816	13/05/2011	0.42	469	21.86	17.70	6.47	7.57	11.14	5,092,147	224,095,241
SPYV	EDVD	EMDV	EMDV	SPDR S&P Emerging Markets Dividend UCITS ETF	IE00B6YX5B26	14/10/2011	0.55	184	—	32.96	16.30	11.84	15.52	695,458	1,019,468,845
<b>Total Equities</b>					—	—	—	<b>26,603</b>	<b>616.15</b>	<b>29.27</b>	—	—	—	<b>417,479,185</b>	<b>909,267,855,679</b>

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## Fixed Income

### Fixed Income — Broad

<b>SYBA</b>	—	—	<b>EAGG</b>	SPDR Bloomberg Barclays Euro Aggregate Bond UCITS ETF	IE00B41RYL63	23/05/2011	0.17	535	11.26	8.46	N/A	15.00	—	5,705,324	N/A
<b>SYBU</b>	<b>USAG</b>	—	<b>USAG</b>	SPDR Bloomberg Barclays U.S. Aggregate Bond UCITS ETF	IE00B459R192	03/06/2011	0.17	41	—	39.48	N/A	15.00	5.00	922,656	N/A
<b>SYBZ</b>	<b>GLAG</b>	<b>GLBL</b>	—	SPDR Bloomberg Barclays Global Aggregate Bond UCITS ETF (Dist)	IE00B43QJJ40	26/01/2018	0.10	170	-109.28	16.10	N/A	8.00	2.00	13,822,120	N/A
<b>SPFV</b>	—	—	—	SPDR Bloomberg Barclays Global Aggregate Bond USD Hdg UCITS ETF (Acc)	IE00BKC94M46	10/10/2019	0.10	3.49	2.79	25.97	N/A	8.00	2.00	433,383	N/A
—	<b>SPFU</b>	—	—	SPDR Bloomberg Barclays Global Aggregate Bond USD Hdg UCITS ETF (Dist)	IE00BF1QPH33	14/02/2018	.10	10	—	28.09	N/A	8.00	2.00	317,569	N/A
—	—	<b>SPFB</b>	—	SPDR Bloomberg Barclays Global Aggregate Bond GBP Hdg UCITS ETF (Dist)	IE00BF1QPJ56	14/02/2018	0.10	91	7.96	28.74	N/A	8.00	2.00	629,246	N/A
<b>SPFE</b>	—	—	—	SPDR Bloomberg Barclays Global Aggregate Bond EUR Hdg UCITS ETF (Dist)	IE00BF1QPL78	14/02/2018	.10	297	31.06	24.80	N/A	8.00	2.00	3,859,528	N/A
—	—	—	<b>GLAC</b>	SPDR Bloomberg Barclays Global Aggregate Bond CHF Hdg UCITS ETF (Dist)	IE00BF1QPK61	06/04/2018	0.10	41	-8.92	30.05	N/A	8.00	2.00	857,788	N/A

### Fixed Income — Corporate

<b>SYBC</b>	—	—	<b>EUCO</b>	SPDR Bloomberg Barclays Euro Corporate Bond UCITS ETF	IE00B3T9LM79	23/05/2011	0.20	495	—	10.27	N/A	25.00	—	3,654,294	N/A
<b>SYBD</b>	—	—	<b>SEUC</b>	SPDR Bloomberg Barclays 0–3 Year Euro Corporate Bond UCITS ETF	IE00BC7GZW19	27/08/2013	0.20	2,985	276.99	6.05	N/A	10.00	—	48,712,806	N/A
<b>SYB1</b>	<b>USCO</b>	<b>USCB</b>	—	SPDR Bloomberg Barclays U.S. Corporate Bond UCITS ETF	IE00B3VYOM37	17/02/2016	0.20	19	-14.08	47.16	N/A	45.00	5.00	3,359,992	N/A

Source: Bloomberg, SPDR Capital Markets, Nomura Instinet TradeSpex. As of 31 December 2019.

\* Average spread of best listing during previous month.

Trading Currency Ticker				Name	ISIN	Inception Date	TER	AUM (Min, USD)	Monthly Flows (Min, \$)	Spreads		Primary Market Costs		Volumes	
€ Ticker	\$ Ticker	£ Ticker	CHF Ticker							ETF Monthly Avg On-Exc Spread (bps)*	Basket Avg Spread (bps)	Creation (bps)	Redemption (bps)	ETF Consolidated Monthly ADV (USD)	Basket 5D ADV (USD)
<b>Fixed Income — Corporate (cont'd)</b>															
<b>SYBF</b>	<b>SUSC</b>	<b>SUSD</b>	<b>SUSC</b>	SPDR Bloomberg Barclays 0-3 Year U.S. Corporate Bond UCITS ETF	IE00BC7GZX26	28/08/2013	0.20	123	-8.15	36.02	N/A	20.00	5.00	943,275	N/A
<b>SYBR</b>	<b>IUCB</b>	—	—	SPDR Bloomberg Barclays 3-10 Year U.S. Corporate Bond UCITS ETF	IE00BYV12Y75	17/02/2016	0.20	71	1.63	45.54	N/A	35.00	5.00	649,204	N/A
<b>SYBN</b>	<b>LUSC</b>	<b>LCRP</b>	—	SPDR Bloomberg Barclays 10+ Year U.S. Corporate Bond UCITS ETF	IE00BZ0G8860	02/12/2015	0.20	149	—	46.27	N/A	65.00	10.00	328,004	N/A
<b>SYBS</b>	—	<b>UKCO</b>	—	SPDR Bloomberg Barclays Sterling Corporate Bond UCITS ETF	IE00B4694Z11	17/05/2012	0.20	296	10.05	28.99	N/A	45.00	—	1,741,774	N/A
<b>SYBQ</b>	—	<b>SUKC</b>	—	SPDR Bloomberg Barclays 0-5 Year Sterling Corporate Bond UCITS ETF	IE00BCBJF711	17/02/2014	0.20	183	3.79	37.02	N/A	35.00	—	1,039,612	N/A
<b>Fixed Income — Government</b>															
<b>SYBB</b>	—	—	<b>GOVY</b>	SPDR Bloomberg Barclays Euro Government Bond UCITS ETF	IE00B3S5XW04	23/05/2011	0.15	762	-7.83	9.95	N/A	2.00	2.00	5,493,929	N/A
<b>SYB3</b>	—	—	<b>SYB3</b>	SPDR Bloomberg Barclays 1-3 Year Euro Government Bond UCITS ETF	IE00B6YX5F63	14/11/2011	0.15	1,136	16.92	8.10	N/A	2.00	2.00	13,247,071	N/A
<b>SYB4</b>	—	—	<b>EU35</b>	SPDR Bloomberg Barclays 3-5 Year Euro Government Bond UCITS ETF	IE00BS7K8821	03/12/2014	0.15	37	—	19.80	N/A	2.00	2.00	72,009	N/A
<b>SYB7</b>	—	—	—	SPDR Bloomberg Barclays 7-10 Year Euro Government Bond UCITS ETF	IE00BYSZ5Z42	17/02/2016	0.15	3	—	21.57	N/A	2.00	2.00	82,159	N/A
<b>SYBV</b>	—	—	—	SPDR Bloomberg Barclays 10+ Year Euro Government Bond UCITS ETF	IE00BYSZ6062	17/02/2016	0.15	8	—	32.57	N/A	6.00	6.00	92,658	N/A
<b>SYBG</b>	—	<b>GLTY</b>	—	SPDR Bloomberg Barclays UK Gilt UCITS ETF	IE00B3W74078	17/05/2012	0.15	259	1.43	13.04	N/A	1.00	1.00	985,777	N/A
<b>SYB5</b>	—	<b>GLTS</b>	—	SPDR Bloomberg Barclays 1-5 Year Gilt UCITS ETF	IE00B6YX5K17	17/05/2012	0.15	547	3.95	14.63	N/A	1.00	1.00	5,067,215	N/A
<b>SYBL</b>	—	<b>GLTL</b>	—	SPDR Bloomberg Barclays 15+ Year Gilt UCITS ETF/Old	IE00B6YX5L24	17/05/2012	0.15	81	15.15	25.54	N/A	2.00	2.00	4,844,652	N/A
—	<b>ZPR1</b>	—	—	SPDR Bloomberg Barclays 1-3 Month T-Bill UCITS ETF (Acc)	IE00BJXRT698	17/07/2019	0.10	81	62.72	32.97	N/A	1.00	1.00	5,699,674	N/A

Source: Bloomberg, SPDR Capital Markets, Nomura Instinet TradeSpex. As of 31 December 2019.

\* Average spread of best listing during previous month.

Trading Currency Ticker				Name	ISIN	Inception Date	TER	AUM (Min, USD)	Monthly Flows (Min, \$)	Spreads		Primary Market Costs		Volumes	
€ Ticker	\$ Ticker	£ Ticker	CHF Ticker							ETF Monthly Avg On-Exc Spread (bps)*	Basket Avg Spread (bps)	Creation (bps)	Redemption (bps)	ETF Consolidated Monthly ADV (USD)	Basket 5D ADV (USD)
<b>Fixed Income — Government (cont'd)</b>															
—	ZPRM	—	—	SPDR Bloomberg Barclays 1-3 Month T-Bill MXN Hdg UCITS ETF (Acc)	IE00BJXRT706	17/07/2019	0.10	13	135.77	15.62	N/A	1.00	1.00	17,920,451	N/A
SYBT	TRSY	USTY	TRSY	SPDR Bloomberg Barclays U.S. Treasury Bond UCITS ETF	IE00B44CND37	03/06/2011	0.15	437	-7.38	13.51	N/A	1.00	—	7,621,612	N/A
SYBW	TRS3	TSY3	TRS3	SPDR Bloomberg Barclays 1-3 Year U.S. Treasury Bond UCITS ETF	IE00BC7GZJ81	28/08/2013	0.15	204	-0.80	8.91	N/A	1.00	—	1,259,480	N/A
SPP3	TRS5	—	—	SPDR Bloomberg Barclays 3-5 Year U.S. Treasury Bond UCITS ETF	IE00BYSZ5R67	17/02/2016	0.15	17	—	33.78	N/A	1.00	—	141,420	N/A
SPP7	TRSX	—	—	SPDR Bloomberg Barclays 7-10 Year U.S. Treasury Bond UCITS ETF	IE00BYSZ5T81	17/02/2016	0.15	39	-1.82	23.09	N/A	1.00	—	344,815	N/A
SPPX	LUTR	—	—	SPDR Bloomberg Barclays 10+ Year U.S. Treasury Bond UCITS ETF	IE00BYSZ5V04	17/02/2016	0.15	16	1.15	33.69	N/A	2.00	—	605,628	N/A
SYBY	TIPS	UTIP	—	SPDR Bloomberg Barclays U.S. TIPS UCITS ETF	IE00BZ0G8977	02/12/2015	0.17	410	1.00	23.46	N/A	2.00	2.00	2,588,793	N/A
<b>Fixed Income — Emerging Markets</b>															
ZPR5	EMH5	SEMH	EMH5	SPDR ICE BofAML 0-5 Year EM USD Government Bond UCITS ETF	IE00BP46NG52	17/10/2014	0.42	198	-35.97	52.75	N/A	25.00	10.00	2,337,441	N/A
ZPR6	—	—	—	SPDR ICE BofAML 0-5 Year EM USD Government Bond EUR Hedged UCITS ETF	IE00BJL36X53	16/06/2019	0.47	70	2.46	54.32	N/A	25.00	10.00	2,337,441	N/A
SYBE	EMCO	EMCB	—	SPDR ICE BofAML Emerging Markets Corporate Bond UCITS ETF	IE00B7LFX77	19/11/2012	0.50	15	-1.55	81.07	N/A	35.00	15.00	220,426	N/A
SYBI	EMIL	EMIN	—	SPDR Bloomberg Barclays EM Inflation Linked Local Bond UCITS ETF	IE00B7MXFZ59	23/04/2013	0.55	96	1.35	55.24	N/A	35.00	30.00	831,203	N/A
SYBM	EMDD	EMDL	EMDL	SPDR Bloomberg Barclays Emerging Markets Local Bond UCITS ETF (Dist)	IE00B4613386	13/05/2011	0.55	4,107	8.98	15.89	N/A	15.00	—	30,503,168	N/A
SPFA	—	—	EMDA	SPDR Bloomberg Barclays Emerging Markets Local Bond UCITS ETF (Acc)	IE00BFWFPY67	20/07/2018	0.55	244	89.56	22.34	N/A	15.00	—	10,494,755	N/A
SPFD	—	—	—	SPDR Bloomberg Barclays Emerging Markets Local Bond USD Base CCY Hdg to EUR UCITS ETF (Acc)	IE00BK8JH525	18/11/2019	0.60	22	1.03	42.39	N/A	15.00	—	373,971	N/A

Source: Bloomberg, SPDR Capital Markets, Nomura Instinet TradeSpex. As of 31 December 2019.

\* Average spread of best listing during previous month.



Trading Currency Ticker				Name	ISIN	Inception Date	TER	AUM (Min, USD)	Monthly Flows (Min, \$)	Spreads		Primary Market Costs		Volumes	
€ Ticker	\$ Ticker	£ Ticker	CHF Ticker							ETF Monthly Avg On-Exc Spread (bps)*	Basket Avg Spread (bps)	Creation (bps)	Redemption (bps)	ETF Consolidated Monthly ADV (USD)	Basket 5D ADV (USD)
<b>Fixed Income — High Yield</b>															
<b>SYBK</b>	<b>SJNK</b>	<b>JNKS</b>	<b>SJNK</b>	SPDR Bloomberg Barclays 0-5 Year U.S. High Yield Bond UCITS ETF	IE00B99FL386	19/09/2013	0.40	108	-0.21	25.75	N/A	60.00	10.00	1,900,476	N/A
<b>SYBJ</b>	—	—	<b>JNKE</b>	SPDR Bloomberg Barclays Euro High Yield Bond UCITS ETF	IE00B6YX5M31	03/02/2012	0.40	874	-9.72	10.81	N/A	80.00	15.00	5,918,199	N/A
<b>Fixed Income — Hybrid</b>															
<b>ZPRI</b>	<b>MAGI</b>	<b>GIN</b>	<b>MAGI</b>	SPDR Morningstar Multi-Asset Global Infrastructure UCITS ETF	IE00BQWJFQ70	14/04/2015	0.40	806	-8.80	52.23	N/A	20.00	2.00	1,931,316	N/A
<b>ZPRC</b>	<b>GCVB</b>	<b>GLCB</b>	<b>GCVB</b>	SPDR Thomson Reuters Global Convertible Bond UCITS ETF (Dist)	IE00BNH72088	14/10/2014	0.50	540	-21.19	31.59	N/A	30.00	5.00	4,012,102	N/A
—	—	—	<b>GVCV</b>	SPDR Thomson Reuters Global Convertible Bond UCITS ETF CHF Hdg (Acc)	IE00BDT6FS23	17/07/2018	0.55	25	1.09	95.79	N/A	30.00	5.00	138,304	N/A
<b>SPF1</b>	—	—	—	SPDR Thomson Reuters Global Convertible Bond UCITS ETF EUR Hedged (Acc)	IE00BDT6FP91	24/05/2018	0.55	573	36.89	24.04	N/A	30.00	5.00	8,174,074	N/A
<b>Total FI</b>					—	—	—	<b>17,236</b>	<b>489.29</b>	<b>30.08</b>	—	—	—	<b>222,216,793</b>	—
<b>Total</b>					—	—	—	<b>43,839</b>	<b>1,105.43</b>	<b>29.60</b>	—	—	—	<b>639,695,978</b>	<b>909,267,855,679</b>

Source: Bloomberg, SPDR Capital Markets, Nomura Instinet TradeSpex. As of 31 December 2019.

\* Average spread of best listing during previous month.

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