

LEMD - Madrid - Madrid Barajas

Airport details

State	Community of Madrid
Country	Spain
Region	LE
Elevation	1998ft (609m)
Timezone	GMT +1
Coordinates	40.47222, -3.56083
Type	land
ICAO code	LEMD
IATA code	MAD
FAA code	n/a

Runway info

Runway 14R / 32L

length	3995m (13107ft)
bearing	135° / 315°
width	60m (197ft)
surface	asphalt
displacement threshold	0m (0ft) / 930m (3051ft)
blast zone	178m (584ft) / 168m (551ft)

Runway 18R / 36L

length	4183m (13724ft)
bearing	180° / 360°
width	60m (197ft)
surface	asphalt
displacement threshold	808m (2651ft) / 0m (0ft)
blast zone	255m (837ft) / 0m (0ft)

Runway 14L / 32R

length	3503m (11493ft)
bearing	135° / 315°
width	60m (197ft)
surface	asphalt
displacement threshold	0m (0ft) / 500m (1640ft)
blast zone	255m (837ft) / 255m (837ft)

Runway 18L / 36R

length	3499m (11480ft)
bearing	180° / 360°
width	60m (197ft)
surface	asphalt
displacement threshold	494m (1621ft) / 0m (0ft)
blast zone	255m (837ft) / 140m (459ft)

Communication

Madrid Barajas ATIS ARR	118.250
Madrid Barajas ATIS DEP	130.850
Madrid Barajas ATIS DEP	130.850
Madrid Barajas ATIS ARR	118.250
Madrid Barajas ATIS ARR	118.250
Madrid Barajas ATIS DEP	130.850
Madrid Barajas ATIS ARR	118.250
Madrid Barajas ATIS DEP	130.850
Madrid Barajas CLR West	130.350
Madrid Barajas CLR West	130.350
Madrid Barajas CLR East	130.075
Madrid Barajas CLR West	130.350
Madrid Barajas CLR East	130.075
Madrid Barajas CLR East	130.075
Madrid Barajas CLR West	130.350
Madrid Barajas CLR East	130.075
Madrid Barajas GND C South	121.975
Madrid Barajas GND C North	123.150
Madrid Barajas GND E North	121.750
Madrid Barajas GND C South	121.975
Madrid Barajas GND E South	121.625
Madrid Barajas GND C North	123.150
Madrid Barajas GND E North	121.750
Madrid Barajas GND E South	121.625
Madrid Barajas GND C North	123.150
Madrid Barajas GND C North	123.150
Madrid Barajas GND E North	121.750
Madrid Barajas GND C South	121.975
Madrid Barajas GND E South	121.625
Madrid Barajas GND E North	121.750
Madrid Barajas GND E South	121.625
Madrid Barajas GND C South	121.975
Madrid Barajas BARAJAS TWR 36L	118.675
Madrid Barajas BARAJAS TWR 14R	118.150
Madrid Barajas BARAJAS TWR 14L	118.975
Madrid Barajas BARAJAS TWR 36L	118.675
Madrid Barajas BARAJAS TWR 36L	118.075
Madrid Barajas BARAJAS TWR 14R	118.150
Madrid Barajas BARAJAS TWR 14L	118.975
Madrid Barajas BARAJAS TWR 36L	118.075
Madrid Barajas BARAJAS TWR 14R	118.150
Madrid Barajas BARAJAS TWR 36L	118.075
Madrid Barajas BARAJAS TWR 36L	118.675
Madrid Barajas BARAJAS TWR 14L	118.975
Madrid Barajas BARAJAS TWR 14L	118.975
Madrid Barajas BARAJAS TWR 36L	118.075
Madrid Barajas BARAJAS TWR 14R	118.150

Madrid Barajas BARAJAS TWR 36L	118.675
Madrid Barajas MADRID APP	124.025
Madrid Barajas MADRID APP	124.025
Madrid Barajas MADRID APP	127.500
Madrid Barajas MADRID APP	127.500
Madrid Barajas MADRID APP	127.500
Madrid Barajas MADRID APP	127.500
Madrid Barajas MADRID APP	124.025
Madrid Barajas MADRID APP	124.025
Madrid Barajas RWY 36L DEP	118.080
Madrid Barajas RWY 14L DEP	118.980
Madrid Barajas RWY 14R DEP	118.155
Madrid Barajas RWY 36R DEP	118.680
Madrid Barajas RWY 36R DEP	118.680
Madrid Barajas RWY 14L DEP	118.980
Madrid Barajas RWY 14R DEP	118.155
Madrid Barajas RWY 36L DEP	118.080
Madrid Barajas RWY 36R DEP	118.680
Madrid Barajas RWY 36R DEP	118.680
Madrid Barajas RWY 36L DEP	118.080
Madrid Barajas RWY 14R DEP	118.155
Madrid Barajas RWY 14L DEP	118.980
Madrid Barajas RWY 14R DEP	118.155
Madrid Barajas RWY 36L DEP	118.080
Madrid Barajas RWY 14L DEP	118.980

Approach frequencies

ILS-cat-III	18L	111.5	18.00mi
ILS-cat-III	18R	110.7	18.00mi
ILS-cat-III	32L	109.9	18.00mi
ILS-cat-III	32R	109.1	18.00mi
3° GS	18L	111.5	18.00mi
3° GS	18R	110.7	18.00mi
3° GS	32L	109.9	18.00mi
3° GS	32R	109.1	18.00mi

Nearby beacons

code	identifier	dist	bearing	frequency
BRA	BARAJAS VOR/DME	0.2	132.9°	116.45
VTZ	TORREJON (MADRID) VOR/DME	4	87.8°	115.10
SSY	S.S.REYES VOR/DME	4.5	349°	117.85
TJZ	TORREJON (MADRID) TACAN	5.5	76.9°	112.50
CVT	CUATRO VIENTOS NDB	11.5	243.8°	417
CNR	COLMENAR VIEJO VOR/DME	13.1	314.7°	117.30
VGE	GETAFE (MADRID) VORTAC	13.3	222.1°	112.05
PDT	PERALES VOR/DME	16.3	135.8°	116.95

ECV	COLMENAR VIEJO NDB	16.4	318.3°	319
GE	GETAFE (MADRID) NDB	20.8	226.1°	421
RBO	ROBLEDILLO VOR/DME	27	39.4°	113.95
NVS	NAVAS DEL REY VOR/DME	32	261.4°	114.95
SIE	SOMOSIERRA VOR/DME	40.8	356.3°	115.40
VTB	VILLATOBAS VOR/DME	41.7	172°	112.70
TLD	TOLEDO VOR/DME	46.6	237°	113.20
BAN	BARAHONA VOR/DME	66.3	47.5°	112.80

Departure and arrival routes

Transition altitude 13000ft

SID end points	distance	outbound direction
RW14L		
RBO2V, RBO2U	27.0	39°
PINA2U, PINA2V	53.3	62°
NAND2U, NAND2V	69.8	109°
VTB3V	41.7	172°
CCS4V	143.9	252°
BARD3V	125.3	272°
ZMR3V	113.6	297°
SIE4V, SIE2U	40.8	356°
RW14R		
RBO2B	27.0	39°
PINA3B	53.3	62°
NAND2B	69.8	109°
VTB3B, VTB2S	41.7	172°
CCS4B, CCS2S	143.9	252°
BARD3S, BARD3B	125.3	272°
ZMR3B, ZMR2S	113.6	297°
SIE4B, SIE2S	40.8	356°
RW36L		
RBO3N	27.0	39°
PINA3N	53.3	62°
NAND3N	69.8	109°
VTB5L, VTB2X, VTB2N	41.7	172°
CCS5L, CCS4N, CCS2X	143.9	252°
BARD6L, BARD3X, BARD3N	125.3	272°
ZMR6L, ZMR3X, ZMR2N	113.6	297°
SIE5L, SIE2N	40.8	356°
RW36R		
RBO6W, RBO3R	27.0	39°
PINA7W, PINA3R	53.3	62°
NAND6W, NAND2R	69.8	109°
VTB1R, VTB7W	41.7	172°
CCS5W	143.9	252°
BARD6W	125.3	272°
ZMR3W	113.6	297°

SIE3W

40.8

356°

STAR starting points**distance****inbound direction**

RW18 (ALL)

SOTU6A	94.2	43°
TLD6A	46.6	57°
RIDA2A	102.6	92°
ZMR4A	113.6	117°
NONT2A	67.6	149°
BANE3B	77.9	225°
TERS6E	66.6	260°
ADUX6B	68.3	268°
PRAD7E	73.6	282°
VILA6E	54.5	282°
NASO6A	68.9	334°
MORA6A	88.4	359°

RW32 (ALL)

SOTU3C	94.2	43°
TLD2C	46.6	57°
RIDA3C	102.6	92°
ZMR4C	113.6	117°
NONT2C	55.6	141°
BANE2D	66.3	228°
TERS2Z	66.6	260°
ADUX1D	68.3	268°
PRAD2D	73.6	282°
VILA2D	54.5	282°
NASO1D	68.9	334°
MORA4C	88.4	359°

Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
ADUX1D	ADUXO	VHF	right	70 (250)°	10000ft - 24000ft	DME 5.4mi	ICAO rules
ADUX1D	ASBIN	VHF	left	90 (270)°	6000ft - 10000ft	DME 5.1mi	ICAO rules
ADUX1D	SIRGU	VHF	left	90 (270)°	8000ft - 24000ft	DME 8.6mi	ICAO rules
ADUX6B	ADUXO	VHF	right	70 (250)°	10000ft - 24000ft	DME 5.4mi	ICAO rules
ADUX6B	LULER	VHF	left	81 (261)°	8000ft - 12000ft	1.0min timed	210
ADUX6B	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
BANE2D	ASBIN	VHF	left	90 (270)°	6000ft - 10000ft	DME 5.1mi	ICAO rules

BANE2D	BAN	NDB	right	27 (207)°	10000ft - 24000ft	DME 15.0mi	ICAO rules
BANE2D	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
BANE3B	BAN	NDB	right	27 (207)°	10000ft - 24000ft	DME 15.0mi	ICAO rules
BANE3B	LULER	VHF	left	81 (261)°	8000ft - 12000ft	1.0min timed	210
BANE3B	VENUX	VHF	right	358 (178)°	12000ft - 24000ft	1.0min timed	ICAO rules
MORA4C	BUREX	VHF	right	227 (47)°	12000ft - 24000ft	DME 9.0mi	ICAO rules
MORA4C	TOBEK	VHF	right	227 (47)°	5000ft - 9000ft	DME 6.1mi	ICAO rules
MORA6A	ETUNI	VHF	left	249 (69)°	12000ft - 24000ft	1.0min timed	220
MORA6A	NVS	NDB	right	289 (109)°	9000ft - 24000ft	1.0min timed	ICAO rules
MORA6A	RILKO	VHF	left	308 (128)°	11000ft - 12000ft	1.0min timed	210
MORA6A	TLD	NDB	right	256 (76)°	> 17000ft	1.0min timed	ICAO rules
NASO1D	ASBIN	VHF	left	90 (270)°	6000ft - 10000ft	DME 5.1mi	ICAO rules
NASO1D	SIRGU	VHF	left	90 (270)°	8000ft - 24000ft	DME 8.6mi	ICAO rules
NASO6A	CJN	NDB	right	145 (325)°	> 17000ft	1.0min timed	ICAO rules
NASO6A	LULER	VHF	left	81 (261)°	8000ft - 12000ft	1.0min timed	210
NASO6A	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
NONT2A	NONTU	VHF	left	6 (186)°	20000ft - 24000ft	1.5min timed	ICAO rules
NONT2A	ORBIS	VHF	left	6 (186)°	12000ft - 24000ft	1.0min timed	220
NONT2A	RILKO	VHF	left	308 (128)°	11000ft - 12000ft	1.0min timed	210
NONT2C	NVS	NDB	right	289 (109)°	9000ft - 24000ft	1.0min timed	ICAO rules
NONT2C	ORBIS	VHF	left	6 (186)°	12000ft - 24000ft	1.0min timed	220
NONT2C	TOBEK	VHF	right	227 (47)°	5000ft - 9000ft	DME 6.1mi	ICAO rules
PRAD2D	ASBIN	VHF	left	90 (270)°	6000ft - 10000ft	DME 5.1mi	ICAO rules
PRAD2D	PRADO	VHF	right	120 (300)°	8000ft - 21000ft	DME 5.0mi	ICAO rules
PRAD2D	SIRGU	VHF	left	90 (270)°	8000ft - 24000ft	DME 8.6mi	ICAO rules
PRAD7E	CJN	NDB	right	145 (325)°	> 17000ft	1.0min timed	ICAO rules

PRAD7E	LULER	VHF	left	81 (261)°	8000ft - 12000ft	1.0min timed	210
PRAD7E	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
PRAD7E	PRADO	VHF	right	120 (300)°	8000ft - 21000ft	DME 5.0mi	ICAO rules
RIDA2A	ETUNI	VHF	left	249 (69)°	12000ft - 24000ft	1.0min timed	220
RIDA2A	RILKO	VHF	left	308 (128)°	11000ft - 12000ft	1.0min timed	210
RIDA2A	USATI	VHF	left	296 (116)°	20000ft - 24000ft	1.5min timed	ICAO rules
RIDA3C	BUREX	VHF	right	227 (47)°	12000ft - 24000ft	DME 9.0mi	ICAO rules
RIDA3C	TLD	NDB	right	256 (76)°	> 17000ft	1.0min timed	ICAO rules
RIDA3C	TOBEK	VHF	right	227 (47)°	5000ft - 9000ft	DME 6.1mi	ICAO rules
SOTU3C	BUREX	VHF	right	227 (47)°	12000ft - 24000ft	DME 9.0mi	ICAO rules
SOTU3C	TOBEK	VHF	right	227 (47)°	5000ft - 9000ft	DME 6.1mi	ICAO rules
SOTU6A	ETUNI	VHF	left	249 (69)°	12000ft - 24000ft	1.0min timed	220
SOTU6A	NVS	NDB	right	289 (109)°	9000ft - 24000ft	1.0min timed	ICAO rules
SOTU6A	RILKO	VHF	left	308 (128)°	11000ft - 12000ft	1.0min timed	210
SOTU6A	TLD	NDB	right	256 (76)°	> 17000ft	1.0min timed	ICAO rules
TERS2Z	ASBIN	VHF	left	90 (270)°	6000ft - 10000ft	DME 5.1mi	ICAO rules
TERS2Z	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
TERS2Z	TERSA	VHF	right	43 (223)°	15000ft - 24000ft	1.5min timed	ICAO rules
TERS6E	LULER	VHF	left	81 (261)°	8000ft - 12000ft	1.0min timed	210
TERS6E	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
TERS6E	TERSA	VHF	right	43 (223)°	15000ft - 24000ft	1.5min timed	ICAO rules
TLD2C	BUREX	VHF	right	227 (47)°	12000ft - 24000ft	DME 9.0mi	ICAO rules
TLD2C	TLD	NDB	right	256 (76)°	> 17000ft	1.0min timed	ICAO rules
TLD2C	TOBEK	VHF	right	227 (47)°	5000ft - 9000ft	DME 6.1mi	ICAO rules
TLD6A	ETUNI	VHF	left	249 (69)°	12000ft - 24000ft	1.0min timed	220
TLD6A	NVS	NDB	right	289 (109)°	9000ft - 24000ft	1.0min timed	ICAO rules

TLD6A	RILKO	VHF	left	308 (128)°	11000ft - 12000ft	1.0min timed	210
TLD6A	TLD	NDB	right	256 (76)°	> 17000ft	1.0min timed	ICAO rules
VILA2D	ASBIN	VHF	left	90 (270)°	6000ft - 10000ft	DME 5.1mi	ICAO rules
VILA2D	SIRGU	VHF	left	90 (270)°	8000ft - 24000ft	DME 8.6mi	ICAO rules
VILA6E	CJN	NDB	right	145 (325)°	> 17000ft	1.0min timed	ICAO rules
VILA6E	LULER	VHF	left	81 (261)°	8000ft - 12000ft	1.0min timed	210
VILA6E	NOSKO	VHF	right	122 (302)°	10000ft - 24000ft	DME 9.1mi	ICAO rules
ZMR4A	ORBIS	VHF	left	6 (186)°	12000ft - 24000ft	1.0min timed	220
ZMR4A	PODOG	VHF	left	285 (105)°	20000ft - 24000ft	1.5min timed	ICAO rules
ZMR4A	RILKO	VHF	left	308 (128)°	11000ft - 12000ft	1.0min timed	210
ZMR4C	AVILA	VHF	left	319 (139)°	12000ft - 24000ft	DME 9.4mi	ICAO rules
ZMR4C	NVS	NDB	right	289 (109)°	9000ft - 24000ft	1.0min timed	ICAO rules
ZMR4C	TOBEK	VHF	right	227 (47)°	5000ft - 9000ft	DME 6.1mi	ICAO rules

*) magnetic outbound (inbound) holding course

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