

# EGLL - London - London Heathrow

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## Airport details

|             |                    |
|-------------|--------------------|
| State       | England            |
| Country     | United Kingdom     |
| Region      | EG                 |
| Elevation   | 83ft (25m)         |
| Timezone    | GMT +0             |
| Coordinates | 51.46229, -0.45141 |
| Type        | land               |
| ICAO code   | EGLL               |
| IATA code   | LHR                |
| FAA code    | n/a                |

## Runway info

|                        |                          |
|------------------------|--------------------------|
| Runway 09L / 27R       |                          |
| length                 | 3892m (12769ft)          |
| bearing                | 90° / 270°               |
| width                  | 50m (164ft)              |
| surface                | asphalt                  |
| displacement threshold | 306m (1004ft) / 0m (0ft) |
| blast zone             | 0m (0ft) / 55m (180ft)   |
| Runway 09R / 27L       |                          |
| length                 | 3651m (11978ft)          |
| bearing                | 90° / 270°               |
| width                  | 50m (164ft)              |
| surface                | asphalt                  |
| displacement threshold | 306m (1004ft) / 0m (0ft) |
| blast zone             | 0m (0ft) / 28m (92ft)    |

## Communication

|                                   |         |
|-----------------------------------|---------|
| London Heathrow Heathrow ATIS     | 128.080 |
| London Heathrow Heathrow ATIS     | 128.080 |
| London Heathrow Heathrow ATIS     | 128.080 |
| London Heathrow Heathrow ATIS     | 128.080 |
| London Heathrow Heathrow Delivery | 121.980 |
| London Heathrow Heathrow Delivery | 121.980 |
| London Heathrow Heathrow Delivery | 121.980 |
| London Heathrow Heathrow Delivery | 121.980 |
| London Heathrow Heathrow Ground   | 121.905 |
| 1                                 |         |
| London Heathrow Heathrow Ground   | 121.705 |
| 2                                 |         |

London Heathrow Heathrow Ground 121.855  
 3  
 London Heathrow Heathrow Ground 121.705  
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 London Heathrow Heathrow Ground 121.905  
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 London Heathrow Heathrow Ground 121.705  
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 London Heathrow Heathrow Ground 121.855  
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 London Heathrow Heathrow Tower 1 118.505  
 London Heathrow Heathrow Tower 1 118.505  
 London Heathrow Heathrow Tower 2 118.705  
 London Heathrow Heathrow Tower 3 124.475  
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 London Heathrow Heathrow Tower 2 118.705  
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 London Heathrow Heathrow Tower 1 118.505  
 London Heathrow Heathrow Tower 3 124.475  
 London Heathrow Heathrow Tower 1 118.505  
 London Heathrow Heathrow Director 134.980  
 2  
 London Heathrow Heathrow Director 134.980  
 2  
 London Heathrow Heathrow Director 120.400  
 4  
 London Heathrow Heathrow Director 127.525  
 3  
 London Heathrow Heathrow Director 119.730  
 1  
 London Heathrow Heathrow Director 120.400  
 4  
 London Heathrow Heathrow Director 127.525  
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 London Heathrow Heathrow Director 119.730  
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 London Heathrow Heathrow Director 127.525  
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London Heathrow Heathrow Director 120.400  
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 London Heathrow Heathrow Director 119.730  
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 London Heathrow Heathrow Director 134.980  
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 London Heathrow Heathrow Director 119.730  
 1  
 London Heathrow Heathrow Director 134.980  
 2  
 London Heathrow Heathrow Director 120.400  
 4  
 London Heathrow Heathrow Director 127.525  
 3  
 London Heathrow Heathrow Control 118.825  
 1  
 London Heathrow Heathrow Control 119.780  
 4  
 London Heathrow Heathrow Control 133.180  
 5  
 London Heathrow Heathrow Control 118.825  
 1  
 London Heathrow Heathrow Control 120.530  
 2  
 London Heathrow Heathrow Control 134.125  
 3  
 London Heathrow Heathrow Control 119.780  
 4  
 London Heathrow Heathrow Control 133.180  
 5  
 London Heathrow Heathrow Control 120.530  
 2  
 London Heathrow Heathrow Control 134.125  
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 London Heathrow Heathrow Control 119.780  
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 London Heathrow Heathrow Control 119.780  
 4  
 London Heathrow Heathrow Control 133.180  
 5  
 London Heathrow Heathrow Control 120.530  
 2  
 London Heathrow Heathrow Control 118.825  
 1  
 London Heathrow Heathrow Control 118.825  
 1  
 London Heathrow Heathrow Control 133.180  
 5  
 London Heathrow Heathrow Control 120.530  
 2  
 London Heathrow Heathrow Control 134.125  
 3

London Heathrow Heathrow Control 134.125  
3

## Approach frequencies

|             |     |       |         |
|-------------|-----|-------|---------|
| ILS-cat-III | 09L | 110.3 | 18.00mi |
| ILS-cat-III | 09R | 109.5 | 18.00mi |
| ILS-cat-III | 27L | 109.5 | 18.00mi |
| ILS-cat-III | 27R | 110.3 | 18.00mi |
| 3° GS       | 09L | 110.3 | 18.00mi |
| 3° GS       | 09R | 109.5 | 18.00mi |
| 3° GS       | 27L | 109.5 | 18.00mi |
| 3° GS       | 27R | 110.3 | 18.00mi |

## Nearby beacons

| code | identifier               | dist | bearing | frequency |
|------|--------------------------|------|---------|-----------|
| LON  | LONDON VOR/DME           | 1.6  | 328.7°  | 113.60    |
| EPM  | EPSOM NDB                | 9    | 150.9°  | 316       |
| BUR  | BURNHAM NDB              | 9.1  | 284.1°  | 421       |
| OCK  | OCKHAM VOR/DME           | 9.4  | 178.4°  | 115.30    |
| CHT  | CHILTERN NDB             | 9.9  | 337.3°  | 277       |
| WOD  | WOODLEY NDB              | 16   | 268.7°  | 352       |
| BNN  | BOVINGDON VOR/DME        | 16.2 | 339.5°  | 113.75    |
| BLC  | DME                      | 16.9 | 250.5°  | 116.20    |
| BLK  | BLACKBUSHE NDB           | 16.9 | 250.5°  | 328       |
| LCY  | LONDON CITY NDB          | 19.5 | 85.3°   | 322       |
| BIG  | BIGGIN VOR/DME           | 19.8 | 105.1°  | 115.10    |
| BPK  | BROOKMANS PARK VOR/DME   | 21.5 | 50.1°   | 117.50    |
| HEN  | HENTON NDB               | 21.8 | 311.2°  | 433       |
| ODH  | ODIHAM TACAN             | 23.1 | 245.2°  | 109.60    |
| LAM  | LAMBOURNE VOR/DME        | 25   | 73°     | 115.60    |
| MID  | MIDHURST VOR/DME         | 25.3 | 203°    | 114       |
| BSO  | BENSON TACAN             | 25.8 | 283.2°  | 110       |
| LUT  | LUTON NDB                | 27   | 24.7°   | 345       |
| CPT  | COMPTON VOR/DME          | 28.7 | 272.1°  | 114.35    |
| WCO  | WESTCOTT NDB             | 30.2 | 307.3°  | 335       |
| MAY  | MAYFIELD VOR/DME         | 34.2 | 128.1°  | 117.90    |
| BKY  | BARKWAY VOR/DME          | 36.9 | 44.2°   | 116.25    |
| SHM  | SHOREHAM NDB             | 38   | 166°    | 332       |
| SRH  | DME-ILS                  | 38   | 165.8°  | 109.95    |
| GWC  | GOODWOOD VOR/DME         | 38.2 | 206.7°  | 114.75    |
| OX   | OXFORD NDB               | 39.4 | 293°    | 367       |
| CIT  | CRANFIELD NDB            | 40.3 | 351°    | 850       |
| DET  | DETLING VOR/DME          | 40.4 | 98.5°   | 117.30    |
| SND  | SOUTHEND NDB             | 43.5 | 84.3°   | 362       |
| HLS  | DME                      | 45.3 | 105.6°  | 115.95    |
| LSH  | HEADCORN (LASHENDEN) NDB | 45.3 | 105.6°  | 340       |

|     |                             |      |        |        |
|-----|-----------------------------|------|--------|--------|
| SAM | SOUTHAMPTON VOR/DME         | 45.3 | 240.4° | 113.35 |
| EAS | SOUTHAMPTON (EASTLEIGH) NDB | 45.6 | 240.7° | 391    |
| SFD | SEAFORD VOR/DME             | 47.3 | 140.7° | 117    |
| DTY | DAVENTRY VOR/DME            | 49.6 | 317.3° | 116.40 |
| CAM | CAMBRIDGE NDB               | 50.7 | 40.2°  | 332    |
| LYD | LYDD VOR/DME                | 57.2 | 109.1° | 114.05 |
| LZD | LYDD NDB                    | 60.4 | 109.9° | 397    |
| CLN | CLACTON VOR/DME             | 63.9 | 76.4°  | 114.55 |
| MLD | MILDENHALL TACAN            | 64.3 | 46.2°  | 115.90 |
| WTZ | WATTISHAM TACAN             | 65.1 | 64.6°  | 109.30 |
| LKH | LAKENHEATH TACAN            | 67.7 | 46.6°  | 110.20 |
| DVR | DOVER VOR/DME               | 70.3 | 99.3°  | 114.95 |

## Departure and arrival routes

Transition altitude 6000ft  
Transition level 70ft

| <b>SID end points</b> | <b>distance</b> | <b>outbound direction</b> |
|-----------------------|-----------------|---------------------------|
| RW09L                 |                 |                           |
| ULTI1K                | 13.5            | 41°                       |
| DET1K                 | 40.4            | 99°                       |
| MAY2K                 | 34.2            | 128°                      |
| MODM1K                | 13.7            | 189°                      |
| GASG2K                | 24.4            | 243°                      |
| CPT4K                 | 28.7            | 272°                      |
| RW09R                 |                 |                           |
| ULTI1J                | 13.5            | 41°                       |
| DET1J                 | 40.4            | 99°                       |
| MAY2J                 | 34.2            | 128°                      |
| MODM1J                | 13.7            | 189°                      |
| GASG2J                | 24.4            | 243°                      |
| CPT5J                 | 28.7            | 272°                      |
| RW27L                 |                 |                           |
| DET2G                 | 40.4            | 99°                       |
| MAY2G                 | 34.2            | 128°                      |
| MAXI1G                | 13.4            | 207°                      |
| GOGS2G                | 23.0            | 253°                      |
| CPT3G                 | 28.7            | 272°                      |
| UMLA1G                | 15.5            | 311°                      |
| RW27R                 |                 |                           |
| DET2F                 | 40.4            | 99°                       |
| MAY3F                 | 34.2            | 128°                      |
| MAXI1F                | 13.4            | 207°                      |
| GOGS2F                | 23.0            | 253°                      |
| CPT3F                 | 28.7            | 272°                      |
| UMLA1F                | 15.5            | 311°                      |

| <b>STAR starting points</b> | <b>distance</b> | <b>inbound direction</b> |
|-----------------------------|-----------------|--------------------------|
| ALL                         |                 |                          |
| ROX01H                      | 83.2            | 43°                      |
| HAZE1H                      | 33.9            | 49°                      |
| OTME1H                      | 90.8            | 69°                      |
| BEDE1H                      | 28.4            | 78°                      |
| BEDE1Z                      | 41.8            | 85°                      |
| HON1H                       | 70.0            | 126°                     |
| FITB1H                      | 38.5            | 127°                     |
| TOBI1X                      | 58.9            | 127°                     |
| NUGR1H                      | 116.1           | 130°                     |
| BARM1H                      | 127.3           | 251°                     |
| LAM1Y, LAM1Z, LAM1X         | 25.0            | 253°                     |
| LOGA2H                      | 78.8            | 262°                     |
| TANE1Z                      | 51.5            | 271°                     |
| ALES1H                      | 58.8            | 296°                     |

## Holding patterns

| <b>STAR name</b> | <b>hold at</b> | <b>type</b> | <b>turn</b> | <b>heading*</b> | <b>altitude</b>      | <b>leg</b>      | <b>speed limit</b> |
|------------------|----------------|-------------|-------------|-----------------|----------------------|-----------------|--------------------|
| ALES1H           | BIG            | NDB         | right       | 122 (302)°      | 7000ft -<br>14000ft  | 1.0min<br>timed | 220                |
| ALES1H           | TIGER          | VHF         | right       | 135 (315)°      | 15000ft -<br>24000ft | 1.5min<br>timed | ICAO rules         |
| BARM1H           | BRASO          | VHF         | left        | 83 (263)°       | 18000ft -<br>24000ft | 1.5min<br>timed | 240                |
| BARM1H           | LAM            | NDB         | left        | 83 (263)°       | > 7000ft             | 1.0min<br>timed | 220                |
| BARM1H           | LOGAN          | VHF         | left        | 108 (288)°      | 15000ft -<br>41000ft | 1.5min<br>timed | 240                |
| BARM1H           | SABER          | VHF         | left        | 83 (263)°       | 13000ft -<br>14000ft | 1.0min<br>timed | 220                |
| BEDE1H           | OCK            | NDB         | right       | 148 (328)°      | > 7000ft             | 1.0min<br>timed | 220                |
| BEDE1Z           | BNN            | NDB         | right       | 296 (116)°      | > 7000ft             | 1.0min<br>timed | ICAO rules         |
| BIG1Z            | OCK            | NDB         | right       | 148 (328)°      | > 7000ft             | 1.0min<br>timed | 220                |
| FITB1H           | BNN            | NDB         | right       | 296 (116)°      | > 7000ft             | 1.0min<br>timed | ICAO rules         |
| FITB1H           | FITBO          | VHF         | right       | 315 (135)°      | 18000ft -<br>29000ft | 1.5min<br>timed | ICAO rules         |
| FITB1H           | WCO            | FIX         | right       | 8 (188)°        | 9000ft -<br>14000ft  | 1.0min<br>timed | 220                |
| HAZE1H           | OCK            | NDB         | right       | 148 (328)°      | > 7000ft             | 1.0min<br>timed | 220                |
| HON1H            | BNN            | NDB         | right       | 296 (116)°      | > 7000ft             | 1.0min<br>timed | ICAO rules         |
| HON1H            | HON            | NDB         | right       | 325 (145)°      | 15000ft -<br>35000ft | 1.5min<br>timed | 240                |

|        |       |     |       |            |                      |                 |            |
|--------|-------|-----|-------|------------|----------------------|-----------------|------------|
| HON1H  | WCO   | FIX | right | 8 (188)°   | 9000ft -<br>14000ft  | 1.0min<br>timed | 220        |
| LAM1X  | BIG   | NDB | right | 122 (302)° | 7000ft -<br>14000ft  | 1.0min<br>timed | 220        |
| LAM1Y  | OCK   | NDB | right | 148 (328)° | > 7000ft             | 1.0min<br>timed | 220        |
| LAM1Z  | BNN   | NDB | right | 296 (116)° | > 7000ft             | 1.0min<br>timed | ICAO rules |
| LOGA2H | BRASO | VHF | left  | 83 (263)°  | 18000ft -<br>24000ft | 1.5min<br>timed | 240        |
| LOGA2H | LAM   | NDB | left  | 83 (263)°  | > 7000ft             | 1.0min<br>timed | 220        |
| LOGA2H | LOGAN | VHF | left  | 108 (288)° | 15000ft -<br>41000ft | 1.5min<br>timed | 240        |
| LOGA2H | SABER | VHF | left  | 83 (263)°  | 13000ft -<br>14000ft | 1.0min<br>timed | 220        |
| NUGR1H | BNN   | NDB | right | 296 (116)° | > 7000ft             | 1.0min<br>timed | ICAO rules |
| NUGR1H | WCO   | FIX | right | 8 (188)°   | 9000ft -<br>14000ft  | 1.0min<br>timed | 220        |
| OCK1Z  | BIG   | NDB | right | 122 (302)° | 7000ft -<br>14000ft  | 1.0min<br>timed | 220        |
| OTME1H | OCK   | NDB | right | 148 (328)° | > 7000ft             | 1.0min<br>timed | 220        |
| ROXO1H | OCK   | NDB | right | 148 (328)° | > 7000ft             | 1.0min<br>timed | 220        |
| TANE1Z | BIG   | NDB | right | 122 (302)° | 7000ft -<br>14000ft  | 1.0min<br>timed | 220        |
| TOBI1X | OCK   | NDB | right | 148 (328)° | > 7000ft             | 1.0min<br>timed | 220        |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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## To be used with X-Plane simulation only