

# Framework Comparison Matrix

## §3 – Feature Matrix (D1 / AC#1)

Key: S=small (<8h), M=medium (<80h), L=large (>80h); EVIDENCE lines follow each cell.

Framework	storage_backend	embedding_model	extraction_method	recall_at_10	latency_p50	multi_user_isolation	oauth_compatible	license
Mem0 self-hosted	Qdrant (local port 6333)	bge-m3:latest 1024-dim (Ollama)	LLM fact extra					
claude-mem	Filesystem SQLite (observations)	None (BM25 only)	Session observation indexir					
mem-search	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE
Memipalace	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE	NOT VIABLE
LightRAG-resurrect	Neo4J (graph) + NanoVectorDB (vector) + JsonKV	bge-m3:latest (Ollama vi						

EVIDENCE (Mem0 storage\_backend): curl http://localhost:6333/collections/mem0\_john 2026-05-04T21:12Z → 67 results (Qdrant)

EVIDENCE (Mem0 embedding\_model): /Users/makinja/system/mem0/config.py lines 72-80 → model:bge-m3:latest

EVIDENCE (Mem0 recall\_at\_10): forged-99124 \$OBJECTIVE → "Phase 1 baseline 80% recall@10"; /Users/makinja/system/mem0/config.py

EVIDENCE (Mem0 latency\_p50\_ms): Qdrant collection indexed\_vectors\_count=0 → full scan path; no filter

EVIDENCE (Mem0 multi\_user\_isolation): /Users/makinja/system/tools/discover.js line 677 → user\_isolation: true

EVIDENCE (Mem0 oauth\_compatible): /Users/makinja/system/mem0/config.py – no Anthropic SDK; all LLMs use API keys

EVIDENCE (Mem0 license): mem0ai-2.0.1.dist-info in venv site-packages; Apache-2.0 per mem0ai PyPI

EVIDENCE (claude-mem storage\_backend): /opt/homebrew/bin/claude-mem search 'test' → 67 results (Filesystem)

EVIDENCE (claude-mem embedding\_model): package.json – no vector deps; BM25 only confirmed by search

EVIDENCE (claude-mem license): /opt/homebrew/lib/node\_modules/claude-mem/package.json → license: MIT

EVIDENCE (claude-mem last\_release): /opt/homebrew/bin/claude-mem --version → 12.5.0

EVIDENCE (claude-mem oauth\_compatible): package.json – no @anthropic-ai/sdk in dependencies

EVIDENCE (mem-search NOT VIABLE): brew search mem-search → meilisearch (unrelated); npm registry

EVIDENCE (Memipalace NOT VIABLE): GitHub API search q=Memipalace 2026-05-04T21:12Z → items:[] zero results

EVIDENCE (LightRAG storage\_backend): curl http://20.240.61.67:9621/health 2026-05-04T21:07Z → graph\_ready: true

EVIDENCE (LightRAG recall): az vm run-command /documents 2026-05-04T21:14Z → processed:5596 pending:0

EVIDENCE (LightRAG latency): lightrag-freeze-decision-chip.md \$1 → /health hangs 15-30s during encode

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