

AIRPORT LIGHTING



USING AIRPORT LIGHTING

Name _____

Class _____

OBJECTIVE

Understand different lighting systems, their purposes, and how and why pilots use airport lighting.

QUESTIONS

You are planning a night flight to Sherman Army Airfield (KFLV) near Kansas City, Kansas. During your flight planning, you reference the VFR Sectional Aeronautical Chart and Chart Supplement, excerpted below.



Editorial credit: FAA

1. What does the VFR sectional chart for Sherman Army Airfield (above) show for airport lighting? What does this mean?

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SHERMAN AAF (FLV)(KFLV) MIL/CIV A 3 N UTC-6(-5DT) N39°22.05' W94°54.86'

771 B TPA—See Remarks NOTAM FILE ICT

RWY 16-34: H5318X102 (ASPH-CONC-GRVD) PCN 31 F/C/W/T HIRL

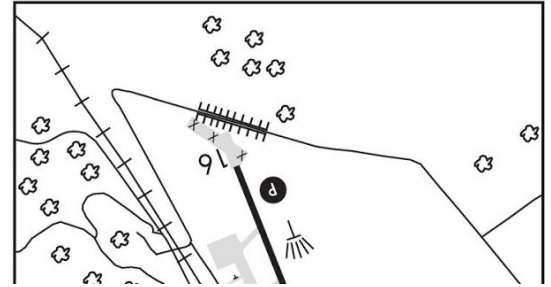
RWY 16: PAPI(P4L)—GA 3.0° TCH 40'. Trees.

RWY 34: PAPI(P4L)—GA 3.0° TCH 41'. Road. Rgt tfc.

SERVICE: **FUEL** 100LL, JET A, A1+ **LGT** ACTIVATE HIRL Rwy 16-34 and PAPI Rwy 16 and Rwy 34 and twy lgts—CTAF. Rotating bcn lctd .5NM NW fr afld. **MILITARY—FUEL** J8 (Mil) Avbl 1330-2230Z‡, 24 hr PPR. Svc OT only for Code 4 and abv. (NC-100LL, A avbl 1500-0000Z‡, OT by req)

AIRPORT REMARKS: Attended Mon-Fri 1500-0200Z‡. Limited svc after hrs and Federal holidays other times only for code 4 and above. General

KANSAS CITY
H-5C, L-10J, A
IAP



Editorial credit: FAA

2. According to the Chart Supplement excerpt above, what kind of visual approach indicator can you expect as you fly on final approach?

3. Sherman Army Airfield is a joint use field, meaning it is a military field at which civilian aircraft may make shared use of the airport. As you approach the airport on your night flight, what type of airport rotating beacon light pattern do you expect to see?

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4. Because Sherman AAF is nontowered, you overfly the field to try to determine wind direction. Reference the miniature airfield diagram in the Chart Supplement (above). Does Sherman AAF have a lit wind indicator?

5. As you line up on final approach for the runway, you see two lit surfaces in front of you. Both are identical lengths and widths, but one is bordered by white lights, while the other is bordered by blue lights. You know one is the runway and the other is the taxiway parallel to the runway. Which is which, and how do you know?

GOING FURTHER

Sherman Army Airfield is nontowered and after normal hours is not attended. The Chart Supplement indicates pilots can turn the lights on themselves at night using the pilot-controlled lighting.

If you were flying to Sherman and had a radio failure, how would this affect your flight? What would you do?