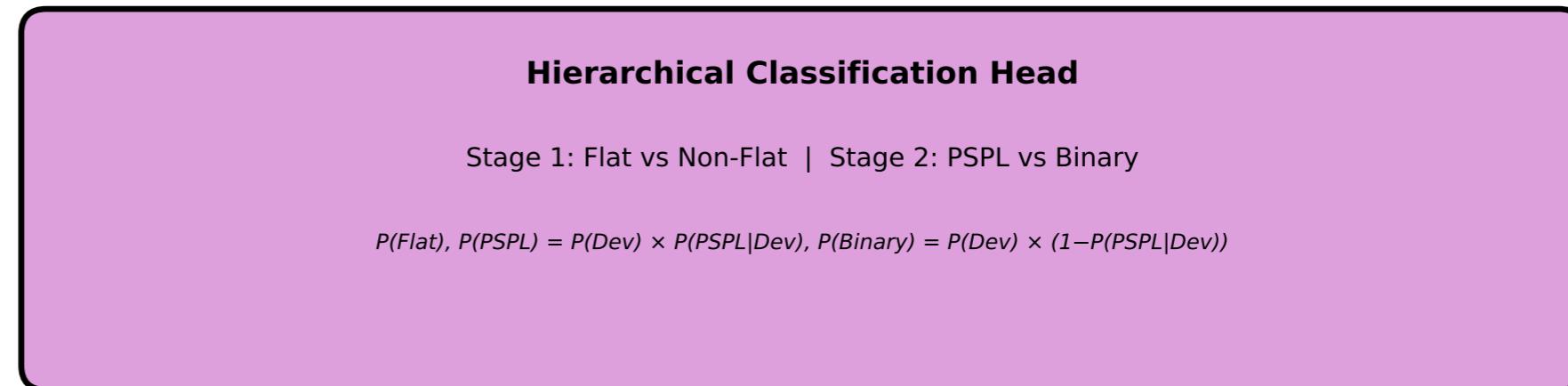
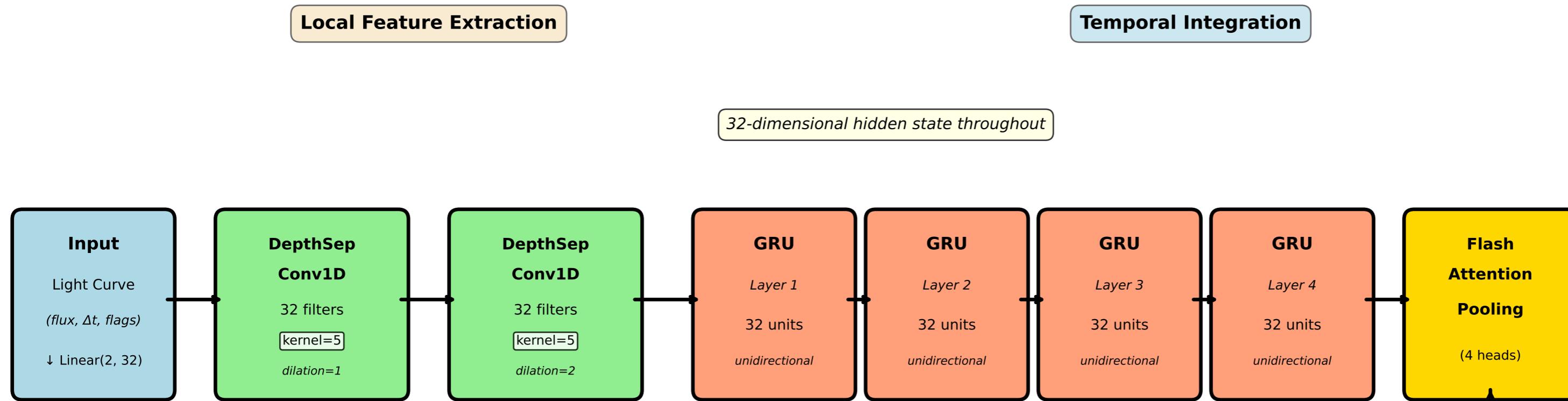


CNN-GRU Hierarchical Classification Architecture



CNN Receptive Field Calculation:
Conv1 ($k=5, d=1$): $RF_1 = 5$ timesteps
Conv2 ($k=5, d=2$): $RF_2 = 9$ timesteps
Total (stacked): $RF = 5 + 9 - 1 = 13$ timesteps