

# Adaptive Lighting over Matter - Accessory Requirements

Release R1

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# 1. Introduction

## 1.1. Purpose and Scope

This document goes over the process for eligible Matter lights to be added to the list of Adaptive Lighting devices in the Home App.

## 1.2. Terminology

- Accessory: A Matter device containing one or more Nodes.

## 2. Overview

In iOS 18 and later, Adaptive Lighting configures supported Matter lights to automatically adjust the color temperature throughout the day. Wake up to warm colors, stay alert and focused midday with cooler ones, and wind down at night by removing blue light.

This document goes over the process for eligible Matter lights to be added to the list of Adaptive Lighting devices in the Home App.

## 3. Accessory Requirements

### 3.1 Hardware Requirements

An accessory supporting Adaptive Lighting over Matter:

- Must support and advertise a range for the Color Temperature of at least 200 (physicalMinMired) to 370 mired (physicalMaxMired) (equivalent to 2700-5000 Kelvin)
- Is recommended to support a range for the Color Temperature of at least 178 (physicalMinMired) to 500 mired (physicalMaxMired) (equivalent to 2000-5600 Kelvin)

### 3.2 Getting access to Adaptive Lighting over Matter

In iOS 26 and later, Adaptive Lighting over Matter is available by default for Matter Lights that adhere to the Hardware Requirements in 3.1 and support Matter 1.4 and later.

### 3.3 Adaptive Lighting Testing

To ensure a seamless user experience, execute the full set of test cases outlined below. Address any issues identified during testing prior to rolling out Matter firmware version 1.4 or later:

- Interop Extended Color Light test plan
  - Extended Color Light
  - Color Temp Validation
  - RGB Validation
  - Adaptive Lighting

### 3.4 Feedback to Apple

Report issues/bugs to Apple through [Feedback Assistant](#) for timely triage and feedback.

Include the following information when reporting issues to Apple:

#### 3.4.1. Issue Description and Reproducibility

Please provide the details of the issue and list the steps to reproduce them.

#### 3.4.2. Profiles

The following profiles must be installed on the iOS/tvOS devices. Follow the instructions provided in the respective profile instructions document on how to trigger sysdiagnose logs for iPhone, HomePod, HomePod mini, or Apple TV.

- [HomeKit](#) :

- This profile helps in capturing HomeKit layer logs for issues related to Matter on iOS/tvOS.

### **3.4.3. Logging**

Ensure to attach logs from the accessory and iOS/tvOS devices and provide an approximate time stamp of the issue. Refer to the section on the [profiles](#) that must be installed on iOS and tvOS devices.

# 4. Revision History

## Revision History

Version	Date	Notes
R1	2025-9-16	Release R1



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