

ISO/IEC 29341-7-10:2008-11 (E)

Information technology_ - UPnP Device Architecture_ - Part_7-10: Lighting Device Control Protocol_ - Dimming Service

CONTENTS

- FOREWORD4
- ORIGINAL UPNP DOCUMENTS (informative)6
- 1. Overview and Scope.....8**
- 2. Service Modeling Definitions9**
 - 2.1. ServiceType9
 - 2.2. State Variables9
 - 2.2.1. LoadLevelTarget9
 - 2.2.2. LoadLevelStatus10
 - 2.2.3. OnEffectLevel10
 - 2.2.4. OnEffect10
 - 2.2.5. StepDelta10
 - 2.2.6. RampRate10
 - 2.2.7. IsRamping10
 - 2.2.8. RampPaused10
 - 2.2.9. RampTime10
 - 2.2.10. Relationships Between State Variables10
 - 2.3. Eventing and Moderation11
 - 2.4. Actions12
 - 2.4.1. SetLoadLevelTarget12
 - 2.4.2. GetLoadLevelTarget13
 - 2.4.3. GetLoadLevelStatus14
 - 2.4.4. SetOnEffectLevel14
 - 2.4.5. SetOnEffect15
 - 2.4.6. GetOnEffectParameters15
 - 2.4.7. StepUp16
 - 2.4.8. StepDown16
 - 2.4.9. StartRampUp16
 - 2.4.10. StartRampDown17
 - 2.4.11. StopRamp18
 - 2.4.12. StartRampToLevel18
 - 2.4.13. SetStepDelta19
 - 2.4.14. GetStepDelta19
 - 2.4.15. SetRampRate20
 - 2.4.16. GetRampRate20
 - 2.4.17. PauseRamp21
 - 2.4.18. ResumeRamp21
 - 2.4.19. GetRampPaused22
 - 2.4.20. GetRampTime22
 - 2.4.21. GetIsRamping23
 - 2.4.22. Non-Standard Actions Implemented by a UPnP Vendor23
 - 2.4.23. Relationships Between Actions23
 - 2.4.24. Common Error Codes24
 - 2.5. Theory of Operation25
- 3. XML Service Description.....26**
- 4. Test31**

LIST OF TABLES

Table 2-1: State Variables	9
Table 2-2: DefaultValue for StepDelta	9
Table 2-3: Event Moderation	11
Table 2-4: Actions.....	12
Table 2-5: Arguments for SetLoadLevelTarget	12
Table 2-6: Arguments for GetLoadLevelTarget.....	13
Table 2-7: Arguments for GetLoadLevelStatus	14
Table 2-8: Arguments for SetOnEffectLevel.....	14
Table 2-9: Arguments for SetOnEffect	15
Table 2-10: Arguments for GetOnEffectParameters	15
Table 2-11: Arguments for StartRampToLevel.....	18
Table 2-12: Arguments for SetStepDelta.....	19
Table 2-13: Arguments for GetStepDelta	19
Table 2-14: Arguments for SetRampRate	20
Table 2-15: Arguments for GetRampRate.....	20
Table 2-16: Arguments for GetRampPaused	22
Table 2-17: Arguments for GetRampTime	22
Table 2-18: Arguments for GetIsRamping.....	23
Table 2-19: Common Error Codes	25