



Application Descriptions

7

Lighting

20

Property Identifiers

9

Summary

This document is a part of the Lighting Application Interworking Standard. It specifies the standard Property Identifiers for each Lighting specific Functional Block / Interface Object.

Version 01.01.01 is a KNX Approved Standard.

This document is part of the KNX Specifications v2.1.

Document updates

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01.00.00	2012.03.12	Document creation.
01.01.00	2012.03.14	Extension with Interface Objects and Properties of other lighting FBs.
01.01.01	2013.10.29	Editorial updates for the publication of KNX Specifications 2.1.

References

None.

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Contents

1	Introduction.....	4
1.1	Scope.....	4
2	FB Indoor Brightness Sensor (IBS) (Object Type 409)	5
3	FB Indoor Luminance Sensor (ILS) (Object Type 410)	6
4	FB Light Switching Actuator Basic (LSAB) (Object Type 417)	7
5	FB Dimming Actuator Basic (Object Type 418)	8
6	FB Dimming Sensor Basic (DSB) (Object Type 420).....	9
7	FB Light Switching Sensor Basic (LSSB) (Object Type 421)	10
8	FB DALI Proxy Basic Light Application (DPBLA) (Object Type 440)	11
9	FB DALI Proxy Basic Scene Application (DPBSA) (Object Type 441)	12
10	FB DALI Proxy Basic Device Specific (DPDS) (Object Type 442).....	14

1 Introduction

1.1 Scope

This document specifies the Property Identifiers for Lighting process Data (runtime Interworking) and Parameters - and Diagnostic data used in the data interfaces of Lighting Functional Blocks. This document is part of the KNX Lighting Application Interworking Standard.

2 FB Indoor Brightness Sensor (IBS) (Object Type 409)

Object Name: FB Indoor Brightness Sensor

Object abbreviation: IBS

Object Type: 409

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
110	Change of Value	DPT_Value_Lux	9.004
111	Repetition Time	DPT_TimePeriodSec	7.005

3 FB Indoor Luminance Sensor (ILS) (Object Type 410)

Object Name: FB Indoor Luminance Sensor

Object abbreviation: ILS

Object Type: 410

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
110	Change of Value	DPT_Value_Luminance	14.041
111	Repetition Time	DPT_TimePeriodSec	7.005

4 FB Light Switching Actuator Basic (LSAB) (Object Type 417)

Object Name: FB Light Switching Actuator Basic

Object abbreviation: LSAB

Object Type: 417

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
101	On Delay	DPT_TimePeriod10Msec	7.003
102	Off Delay	DPT_TimePeriod10Msec	7.003
103	Timed On Duration	DPT_TimePeriodSec	7.005
104	Prewarning Duration	DPT_TimePeriodSec	7.005
105	Transmission Cycle Time	DPT_TimePeriodSec	7.005
106	Bus Power Up Message Delay	DPT_Timeout_10Msec	7.003
107	Behaviour at Locking	DPT_Behaviour_Lock_Unlock	20.600
108	Behaviour at Unlocking	DPT_Behaviour_Lock_Unlock	20.600
109	Behaviour Bus Power Up	DPT_Behaviour_Bus_Power_Up_Down	20.601
110	Behaviour Bus Power Down	DPT_Behaviour_Bus_Power_Up_Down	20.601
111	Invert Output State	DPT_Invert	1.012
112	Timed On Retrigger Function	DPT_Enable	1.003
113	Manual Off Enable	DPT_Enable	1.003
114	Invert Lock Device	DPT_Invert	1.012
115	Lock State	DPT_Switch	1.001
116	Unlock State	DPT_Switch	1.001
117	State for Scene Number	DPT_Switch[]	1.001
118	Storage Function for Scene	DPT_Enable[]	1.003
119	Bus Power Up State	DPT_Switch	1.001
120	Bus Power Down State	DPT_Switch	1.001

5 FB Dimming Actuator Basic (Object Type 418)

Object Name: FB Dimming Actuator Basic

Object abbreviation: (none)

Object Type: 418

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
101	On Delay	DPT_TimePeriod10MSec	7.003
102	Off Delay	DPT_TimePeriod10MSec	7.003
103	Switch Off Brightness Delay Time	DPT_TimePeriodSec	7.005
104	Timed On Duration	DPT_TimePeriodSec	7.005
105	Prewarning Duration	DPT_TimePeriodSec	7.005
106	Transmission Cycle Time	DPT_TimePeriodSec	7.005
107	Bus Power Up Message Delay	DPT_Timeout_10MSec	7.003
108	Dimming Speed	DPT_ScalingSpeed[]	225.001
109	Dimming Step Time	DPT_Scaling_Step_Time[]	225.002
110	Dimming Speed for Switch on Set Value	DPT_ScalingSpeed[]	225.001
111	Dimming Speed for Switch Off	DPT_ScalingSpeed	225.001
112	Dimming Step Time for Switch On Set Value	DPT_Scaling_Step_Time	225.002
113	Dimming Step Time for Switch Off	DPT_Scaling_Step_Time	225.002
114	Switch Off Brightness	DPT_Scaling	5.001
115	Minimum Set Value	DPT_Scaling	5.001
116	Maximum Set Value	DPT_Scaling	5.001
117	Switch On Set Value	DPT_Scaling	5.001
118	Dimm Mode Selection	DPT_Ramp	1.004
119	Relativ Off Enable	DPT_Enable	1.003
120	Memory Function	DPT_Enable	1.003
121	Timed On Retrigger Function	DPT_Enable	1.003
122	Manual Off Enable	DPT_Enable	1.003
123	Invert Lock Device	DPT_Invert	1.012
124	Behaviour at Locking	DPT_Behaviour_Lock_Unlock	20.600
125	Behaviour at Unlocking	DPT_Behaviour_Lock_Unlock	20.600
126	Lock Setvalue	DPT_Scaling	5.001
127	Unlock Setvalue	DPT_Scaling	5.001
128	Brightness for Scene	DPT_Scaling[]	5.001
129	Storage Function for Scene	DPT_Enable[]	1.003
130	Delta Dimming Value	DPT_Scaling	5.001
131	Behaviour Bus Power Up	DPT_Behaviour_Bus_Power_Up_Down	20.601
132	Behaviour Bus Power Up Set Value	DPT_Scaling	5.001
133	Behaviour Bus Power Down	DPT_Behaviour_Bus_Power_Up_Down	20.601
134	Bus Power Down Set Value	DPT_Scaling	5.001

6 FB Dimming Sensor Basic (DSB) (Object Type 420)

Object Name: FB Dimming Sensor Basic

Object abbreviation: DSB

Object Type: 420

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
51	On Off Action	DPT_Switch	1.001
52	Enable Toggle Mode	DPT_Enable	1.003
53	Absolute Setvalue	DPT_Scaling	5.001

7 FB Light Switching Sensor Basic (LSSB) (Object Type 421)

Object Name: FB Light Switching Sensor Basic

Object abbreviation: LSSB

Object Type: 421

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
51	On Off Action	DPT_Switch	1.001
52	Enable Toggle Mode	DPT_Enable	1.003

8 FB DALI Proxy Basic Light Application (DPBLA) (Object Type 440)

Object Name: FB DALI Proxy Basic Light Application

Object abbreviation: DPBLA

Object Type: 440

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
110	Minimum Set Value	DPT_Scaling	5.001
111	Maximum Set Value	DPT_Scaling	5.001
112	Switch On Set Value	DPT_Scaling	5.001
113	Dimm Mode Selection	DPT_Ramp	1.004
114	Relative Off Enable	DPT_Enable	1.003
115	Memory Function	DPT_Enable	1.003
116	Dimming Speed	DPT_ScalingSpeed[]	225.001
117	KNX Fade Time	DPT_TimePeriod100MSec	7.004
118	DALI Fade Time	DPT_DALI_Fade_Time	20.602
119	On Delay	DPT_TimePeriod10MSec	7.003
120	Off Delay Dimming Speed for Switch on Set Value	DPT_TimePeriod10MSec	7.003
121	Dimming Speed for Switch on Set Value	DPT_ScalingSpeed[]	225.001
122	Dimming Speed for Switch Off	DPT_ScalingSpeed	225.001
123	KNX Fade Time for Switch On Set Value	DPT_TimePeriod100MSec	7.004
124	DALI Fade Time for Switch On Set Value	DPT_DALI_Fade_Time	20.602
125	KNX Fade Time for Switch Off	DPT_TimePeriod100MSec	7.004
126	DALI Fade Time for Switch Off	DPT_DALI_Fade_Time	20.602
127	Switch Off Brightness	DPT_Scaling	5.001
128	Switch Off Brightness Delay Time	DPT_TimePeriod_Sec	7.005
129	Timed On Duration	DPT_TimePeriodSec	7.005
130	Prewarning Duration	DPT_TimePeriodSec	7.005
131	Timed On Retrigger Function	DPT_Enable	1.003
132	Manual Off Enable	DPT_Enable	1.003
133	Invert Lock Device	DPT_Invert	1.012
134	Behaviour at Locking	DPT_Behaviour_Lock_Unlock	20.600
135	Lock Setvalue	DPT_Scaling	5.001
136	Behaviour at Unlocking	DPT_Behaviour_Lock_Unlock	20.600
137	Unlock Setvalue	DPT_Scaling	5.001
138	Transmission Cycle Time	DPT_TimePeriodSec	7.005
139	Delta Dimming Value	DPT_Scaling	5.001
140	KNX Bus Power Up Message Delay	DPT_Timeout_10MSec	7.003
141	Behaviour KNX Bus Power Up	DPT_Behaviour_Bus_Power_Up_Down	20.601
142	Behaviour KNX Bus Power Down	DPT_Behaviour_Bus_Power_Up_Down	20.601
143	KNX Bus Power Up Set Value	DPT_Scaling	5.001
144	KNX Bus Power Down Set Value	DPT_Scaling	5.001

9 FB DALI Proxy Basic Scene Application (DPBSA) (Object Type 441)

Object Name: FB DALI Proxy Basic Scene Application

Object abbreviation: DPBSA

Object Type: 441

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
150	KNX Scene Number List[]	DPT_SceneConfig[]	238.001
151	Scene Learning Mode Enable	DPT_Enable	1.003
152	Scene Taught In[]	DPT_Bool[]	1.002
154	KNX Scene Fade Time List[]	DPT_TimePeriod100MSec[]	7.004
155	DALI Scene Fade Time List[]	DPT_DALI_Fade_Time[]	20.602
160	CAS01	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
161	CAS02	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
162	CAS03	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
163	CAS04	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
164	CAS05	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
165	CAS06	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
166	CAS07	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
167	CAS08	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
168	CAS09	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
169	CAS10	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
170	CAS11	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
171	CAS12	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
172	CAS13	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
173	CAS14	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
174	CAS15	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
175	CAS16	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
176	CAS17	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
177	CAS18	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
178	CAS19	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
179	CAS20	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
180	CAS21	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
181	CAS22	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
182	CAS23	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
183	CAS24	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
184	CAS25	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
185	CAS26	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
186	CAS27	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
187	CAS28	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
188	CAS29	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
189	CAS30	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
190	CAS31	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
191	CAS32	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
192	CAS33	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
193	CAS34	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
194	CAS35	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
195	CAS36	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁

Parameters			
Property Identifier	Datapoint Name	Datapoint Type Name	Datapoint Type Identifier
196	CAS37	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
197	CAS38	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
198	CAS39	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
199	CAS40	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
200	CAS41	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
201	CAS42	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
202	CAS43	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
203	CAS44	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
204	CAS45	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
205	CAS46	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
206	CAS47	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
207	CAS48	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
208	CAS49	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
209	CAS50	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
210	CAS51	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
211	CAS52	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
212	CAS53	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
213	CAS54	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
214	CAS55	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
215	CAS56	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
216	CAS57	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
217	CAS58	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
218	CAS59	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
219	CAS60	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
220	CAS61	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
221	CAS62	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
222	CAS63	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁
223	CAS64	DPT_FlaggedScaling[]	U ₈ r ₇ B ₁

10 FB DALI Proxy Basic Device Specific (DPDS) (Object Type 442)**Object Name:** FB DALI Proxy Basic Device specific**Object abbreviation:** DPDS**Object Type:** 442

This Interface Object Type does not have standard Properties.