Clause <u>I</u> eneral Informa I			
1	Proponent		
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-	Target Sensor		
	Image Sensor	x	
	High Rate PD		х
4.1 1	Low Rate PD Flicker mode	Flicker	x Flicker–free
	Localization	Y	N
	Short description	Example 1	Example 2
age Sensor (	Communications		
	Applications/Use cases		
	A1. Offline to Online Marketing /Public Information System		
	A2. IoT (M2M/D2D / Internet of Light (IoL))		
	A3. LBS / Indoor Positioning		
	A4. Vehicular Communication A5. Underwater Communication	x	
	A6. Power Consumption Control	Î Î	
	A7. Vehicular Positioning	x	
	A8. Seaside Communication		
	A9. LED based Tag application		
	A10. Point-to-(multi)point / relay communication		
442	A11. Digital signage Transmitter		
7.7.2	Ceiling light / Lighting Source		
	Flash light	x	
	Car light		
	Indirect light	x	
	Illuminated signage with diffused light		
	Illuminated signage with discrete LEDs Digital signage (such as LCD)		
	Traffic light and Intelligent Traffic System (ITS)		
	Lighthouse	x	
	LED Tag		
	Display / Image patterns		
4.4.3 I	Receiver		
	Global Shutter	×	
4.4.4	Rolling Shutter Carrier Wavelength	X	
	Visible Light	x	
	IR		
	UV		
4.4.5	Transfer mode		
	ID broadcast mode	×	
	Unidirectional data transfer mode Bidirectional data transfer mode	×	
4.4.6	Dimming Control	Y	
	Power Consumption Control	N	
4.4.8	Coexistence with Ambient Light	Y	
	Coexistence with Other Lighting Systems	Y	
	Simultaneous Communication with Multiple Transmitters	N	
	Simultaneous Communication with Multiple Receivers Data Frame Consistency	N Y	
	Data Frame Consistency Nearly point image data source	Ý	
	Identification of modulated light sources	Ý	
	Low overhead repetitive transmission	Ý	
4.4.16	Image Sensor Compatibility	Y	
The Rate DD (	Communications	_	
	Applications/Use cases		
T.U.1 /	B1 Indoor Office/Home Applications		x
	B2 Data Center / Industrial Establishments, Secure Wireless		x
	B3 Vehicular Communications		
	B4 Wireless Backhaul		
4.5.2	Transmitter		
	Ceiling/Street light		×
	Indirect light Car light		
	Directed light		
4.5.3	Transfer mode		
	Bidirectional Functionality		
	Minimum supported connectivity of at least 1 Mbps at the PHY		
	SAP		
	Ppeak data rates of 10 Gbps at the PHY SAP		
	Dimming Control		
4.5.5	Adaptive Transmission and Multiple User Support		
4.5.5 4.5.6			

4.5.9 4.5.10	Efficient mechanisms that can be used to deliver interference coordination techniques by higher layers Coexistence with Ambient Light and Other Lighting Systems Simultaneous Communication with Multiple Transmitters MIMO Efficient and reliable feedback and control channels Waveform Variable current modulation Metric Reporting	Y Y Y Y
Low Rate PD	Communications	
4.6.1	Applications/Use cases C1 Underwater/Seaside Communication C2 Point-to-(multi)point / communication C3 Digital signage C4 D2D/IoT C5 LOS Authentication C6 Identification based service	X
4.6.2	Transmitter Smart Device Flash light Lighting source	x x
4.6.3	Receiver	
4.6.4	Carrier Wavelength Visible Light IR UV	x
4.6.5	Transfer mode D2D/IoT data transmission and Relay mode Uni/Bi-directional data transfer mode	x
4.6.6	Dimming Control	Y
	Handover, Link Recovery and Interference Coordination Handover Interference coordination techniques by higher layers Link recovery mechanism to maintain connection in unreliable channel for reducing the connection delay Coexistence with Ambient Light Coexistence with Other Lighting Systems	N N Y Y Y
	Identification of Transmitter	Y N
4.6.10	Identification of Transmitter	N