

## Libera Stand-alone

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### Product configuration: PS57.P4

PS57.P4: Wall-mounted luminaire H=1131 - BLE Casambi - General Light - Frameless optic with microtextured screen -- 16.6W  
1706.3lm - 2700K - CRI 90 - Sapphire blue/Micro textured

### Product code

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### Technical description

Indirect emission wall-mounted indoor luminaire H=1131. Module with 2700K CRI90 monochrome LED lamps. General Light (High Output) luminaire with a Microtextured opal version methacrylate diffusing screen. Frameless version extruded aluminium body profile complete with die-cast zamak cover end caps. The luminaire is wall-mounted using an aluminium base with a galvanised sheet steel internal fixing plate included with the product. Body complete with dimmable power supply unit and Casambi protocol positioned inside the extruded aluminium base. The components used allow the Libera products to be controlled with the Casambi system app and components, enabling on-off, dimming and scene recall functions and allowing multiple luminaires to operate in a Casambi mesh network. 2.4 GHz bluetooth frequency. The app is available on the Apple Store and Google Play Store. Integrated Beacon that can be activated via an app (iBeacon) that enables smart functions for third party applications and the Jiminy Push Notification app. Power supply features include overvoltage protection, short circuit protection, overcurrent and overtemperature protection.

### Installation

Wall-mounted. The luminaire is mounted using an aluminium base with a galvanised sheet steel inner fixing plate.

### Colour

Sapphire blue/Micro textured (P4)

### Weight (Kg)

1.38

### Mounting

wall surface/ceiling surface

### Notes

Max distance between smartphone and product 8 m.

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The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system.

Complies with EN60598-1 and pertinent regulations



IP20



### Technical data

Im system:	1548	Colour temperature [K]:	2700
W system:	16.6	MacAdam Step:	3
Im source:	2260	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	14	Lamp code:	LED
Luminous efficiency (Im/W, real value):	93.3	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	69	Control:	Casambi
CRI (minimum):	90		

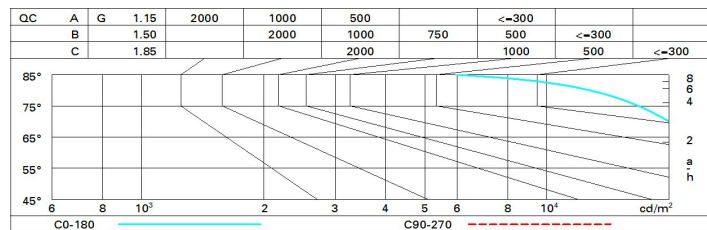
### Polar

 Imax=680 cd C5-185 90° 180° 90° 750 0° α=89° / 98°	<b>CIE</b> nL 0.68 54-83-97-100-68 UGR 26.6-27.9		<b>Lux</b>				
	<b>DIN</b> A.41		h	d1	d2	Em	Emax
	<b>UTE</b> 0.68D+0.00T F*1=537 F*1+F*2=834 F*1+F*2+F*3=969		1	2	2.3	423	678
			2	4	4.6	106	170
			3	5.9	6.9	47	75
4			7.9	9.2	26	42	

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	47	40	35	32	39	35	34	30	44
1.0	52	45	41	37	44	40	40	35	51
1.5	58	53	49	46	52	48	48	44	64
2.0	62	58	55	52	57	54	53	49	72
2.5	65	61	58	56	60	57	56	53	77
3.0	66	63	61	59	62	60	59	56	81
4.0	68	66	64	62	64	63	62	59	86
5.0	69	67	66	64	66	64	63	60	88

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2260 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	23.9	25.0	24.2	25.3	25.0	24.9	26.0	25.2	26.3	26.5
	3H	25.0	26.0	25.3	26.3	26.0	25.3	26.3	25.6	26.6	26.9
	4H	25.3	26.2	25.7	26.5	26.9	25.4	26.3	25.7	26.6	26.9
	6H	25.5	26.4	25.9	26.7	27.0	25.4	26.2	25.8	26.6	26.9
	8H	25.5	26.4	25.9	26.7	27.1	25.4	26.2	25.7	26.5	26.9
	12H	25.5	26.3	25.9	26.7	27.0	25.3	26.1	25.7	26.5	26.8
4H	2H	24.6	25.5	25.0	25.8	26.2	26.9	27.8	27.3	28.1	28.5
	3H	25.8	26.6	26.2	27.0	27.3	27.5	28.3	27.9	28.6	29.0
	4H	26.2	26.9	26.6	27.3	27.7	27.7	28.4	28.1	28.8	29.2
	6H	26.5	27.1	26.9	27.5	28.0	27.8	28.5	28.3	28.9	29.3
	8H	26.6	27.1	27.0	27.5	28.0	27.9	28.4	28.3	28.8	29.3
	12H	26.6	27.1	27.0	27.5	28.0	27.8	28.4	28.3	28.8	29.3
8H	4H	26.5	27.1	27.0	27.5	28.0	28.5	29.1	29.0	29.5	30.0
	6H	26.9	27.4	27.4	27.8	28.3	28.8	29.3	29.3	29.7	30.2
	8H	27.0	27.4	27.5	27.9	28.4	28.9	29.3	29.4	29.8	30.3
	12H	27.0	27.4	27.5	27.8	28.4	28.9	29.3	29.4	29.8	30.3
12H	4H	26.5	27.1	27.0	27.5	28.0	28.7	29.2	29.2	29.7	30.1
	6H	27.0	27.4	27.4	27.8	28.3	29.0	29.4	29.5	29.9	30.4
	8H	27.1	27.4	27.6	27.9	28.4	29.1	29.5	29.6	30.0	30.5
Variations with the observer position at spacing:											
S =		1.0H					0.2 / -0.2				
		1.5H					0.3 / -0.7				
		2.0H					0.7 / -1.1				
							0.1 / -0.1				
							0.3 / -0.4				
							0.5 / -0.6				