

## SBL 13WB PERFORMANCE

- unique efficacy level
- uniform light distribution
- no glare - UGR < 9
- very high UF figures

**DESCRIPTION :** Libus® wide beam ceiling luminaire *optimum configuration* with five subgroups of varied optics and efficacy levels, each in 13 different sizes, meeting main lighting standards and *efficacy - recyclability - lamp replacement* requirements of *ecodesign*. Suitable for recessing in T24 600 x 600 and 625 x 625 mm grid ceilings as well as plaster & clip-in system ceilings and pendant, surface & 90° - 270° axis rotatable rail track mounting. Excellent *low glare levels (UGR < 9)* coupled with precise light distribution control through SBL system, ensuring conveyance of average 87 - 94% of the generated light to target working plane, make **LIBUS SBL13WB PERFORMANCE** luminaire family an optimal composition for *design, efficiency, comfort and optical performance*.

ITEM	UNDERLAY	IP	LOR %	UGR	EFFICACY lm/w (25w)	ST. POWER OPTIONS		
						DIPswitch		
LPS BL	blank	20	95,3	8,19	156,3	3.8	11	20
LPS CT	clear PC-pm	40	93,9	8,84	154,0	5.0	15	25
						6.3	19	27
LPP BL	blank	20	95,3	8,57	171,4	7.6	21	30
LPP CT	clear PC-pm	40	93,9	9,24	168,8	w	w	w
LPP MC	micro prism	40	92,6	9,69	164,5	a	a	a
						t	t	t

\* given indicative **average** values belong to 25w versions

**photometric data** : PDF - IES - LDT

**power control** standard : 3 - 8 | 11 - 21 | 21 - 30W DIPswitch

optional : DALI - tunable white - HCL - remote dimming

**body / housing** standard : aluminum 10 µm anodized satin silver

optional : bronze - black | brushed - mirror & painted

**mounting options** : T24 | pendant | plaster | surface | rail track



### APPLICATIONS :

- offices
- conference halls
- health care
- shop & retail
- education
- lowbay commercial areas
- technical working areas
- assembly lines
- ancillary areas
- entrance areas
- stairways
- corridors
- museum & galleries

SBL 13WB PERFORMANCE LUMINAIRE PROPERTIES*		LPS BL	LPS CT	LPP BL	LPP CT	LPP MC
		given performance values are based on 25w power versions / 4h x 8h room index / 70 - 50 - 20 room cavity reflectances detail performance values are available luminaire individual data sheets				
OPTICAL	luminous flux - lumens	3723	3667	4033	3972	3813
	glare level - UGR (4Hx8H - R:70-50-20)	7.3	8.0	7.8	8.6	9.2
	Luminaire L.O.R.	95,3%	93,9%	95,3%	93,9%	92,6%
	efficacy - lm/w	156	154	171	169	165
	light beam spread	2 x 40,0° - 80.0°	2 x 40.5° - 81.0°	2 x 40,0° - 80.0°	2 x 40.5° - 81.0°	2 x 32.7° - 65.4°
	initial chromaticity	3-steps MacAdam				
	CRI - color rendering index	standard : > 80 - optional : > 90				
	CCT - light color temperature	2700 - 3000 - 4000 - 5000 - 6500K				
ELECTRICAL	power control	standard : CE   flickerfree   PF>0,95-98   Eff.>0,86-89   MTBF:25°C>50.000hr.   DIPswitch optional : DALI - tunable white - HCL - remote dimming - WF & BT control				
	output	ripple current (100 Hz)	PSTLM		SVM	
		< 5 %	≤1		≤0.4	
	system power	3 standard options	3 - 8W nominal	11 - 21W nominal	21 - 30W nominal	
			90 / 120 / 150 / 180 mA	250 / 350 / 450 / 500 mA	500 / 600 / 650 / 700 mA	
	input voltage	220 - 240V				
	input frequency	50 / 60 Hz				
connection	push-in connector and pull relief					
HOUSING & MECHANICAL	housing material	10 µm anodized aluminum				
	housing finish & colors	standard : silver (naturel) satin anodized optional : anodized mirror - brushed - other colors   painted				
	luminaire weight (1x13-60x60 BL)	3.16 kgs				see luminaire weight dimension & power options data sheet for other sizes
	luminaire dimensions (1x13)	595 x 595 x 33 mm   620 x 620 x 33 mm				
MISCELLANEOUS	ambient temperature range	-10 to +50 °C				
	performance ambient temp.	25°C				
	mean rated service life L80B10 (tq25°C)	> 50,000 hours				
	mounting options	T24 600 x 600   T24 625 x 625   clip-in ceiling   surface mount pendant   plaster ceiling   rail track				

\* : Due to material properties and processing condition tolerances, photometric data may vary in different production batches within EU directive.