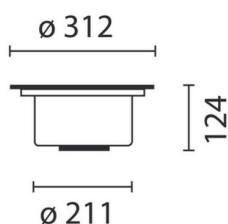


Last information update: April 2024

Product configuration: BB35

BB35: neutral white adjustable flood optic 0°-15

**Product code**BB35: neutral white adjustable flood optic 0°-15 **Attention! Code no longer in production****Technical description**

Ground recessed luminaire for uplight with LED light sources. Monochromatic with Neutral White LED circuit, $\pm 15^\circ$ double adjustable optic, plastic lenses for FLOOD version and electronic control gear. Made of circular body, low outer casing and frame. The body and outer casing are made of cast aluminium with AISI 304 stainless steel frame. The outer casing must be ordered separately from the optical assembly. The optical assembly is closed on top by a tempered glass (thickness 15 mm) complete with silicone gasket compressed by the AISI 304 stainless steel frame. The lower section houses a decompression box with cascade connection, 6-pole terminal block and M24x1,5 stainless steel double cable clamp, suitable for cables with 7÷16 mm diameter. The wiring section is connected to the optical assembly by a nickel-plated brass cable clamp M15x1. This makes it easier to open the upper glass by eliminating negative pressure inside the optical assembly and the pump effect on the supply cable. The body-optical assembly is equipped with a locking system having 2 stainless-steel captive screws on which 2 extruded-aluminium supports slide. The locking system ensures positioning and anchoring of the optical assembly to the outer casing. The acrylic painting of the body/optical assembly and outer casing ensures protection against UV rays and the external environment. The assembly formed of frame, optical assembly and outer casing guarantees 5000 Kg resistance against static load. All external screws are made of stainless steel A2.

Installation

Recessed into the floor with outer casing. The top rim of the outer casing must not jut out from the floor surface (1 mm MAX). Outer casing upper diameter=289mm; lower diameter=397mm; h=125mm.

Colour

Steel (13)

Mounting

ground recessed

Wiring

Luminaire provided with built-in electronic control gear.

Notes

Complete with lamp. Outer case code B901 to be ordered separately. Accessories available: refractor for elliptical distribution of luminous flow, diffusing glass, chromatic filters, closing plug for outer casing and suction cup.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	682	CRI (minimum):	80
W system:	14.3	Colour temperature [K]:	4000
Im source:	610	MacAdam Step:	3
W source:	6.2	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	47.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	56	Number of optical assemblies:	2
Beam angle [°]:	28°	Intervallo temperatura ambiente:	from -20°C to +35°C.

Polar

Imax=1018 cd		CIE		Lux			
90°	180°	nL 0.56	96-99-100-100-56	h	d	Em	Emax
		UGR <10-10	DIN	1	0.5	818	1018
		A.61	UTE	2	1	205	254
		0.56A+0.00T	F*1=955	3	1.5	91	113
		F*1+F*2=989	F*1+F*2+F*3=999	4	2	51	64
		CIBSE	LG3 L<1500 cd/m² at 65°				
		UGR<10 L<1500 cd/mq @65°					
$\alpha = 28^\circ$							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	47	45	43	46	44	44	42	75
1.0	52	49	47	46	49	47	47	45	80
1.5	55	53	51	50	52	51	50	48	86
2.0	56	55	54	53	54	53	53	51	91
2.5	58	56	56	55	56	55	54	53	94
3.0	58	58	57	56	57	56	55	54	96
4.0	59	58	58	58	58	57	56	55	98
5.0	59	59	59	58	58	58	57	55	99

UGR diagram

Corrected UGR values (at 610 lm bare lamp luminous flux)											
Reflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed					viewed				
x	y	crosswise					endwise				
2H	2H	-1.9	-1.3	-1.7	-1.1	-0.9	-1.9	-1.3	-1.7	-1.1	-0.9
	3H	-1.8	-1.2	-1.5	-1.0	-0.7	-1.9	-1.4	-1.6	-1.1	-0.8
	4H	-1.8	-1.3	-1.5	-1.0	-0.7	-2.0	-1.5	-1.6	-1.2	-0.9
	6H	-1.9	-1.4	-1.6	-1.1	-0.8	-2.0	-1.6	-1.7	-1.2	-0.9
	8H	-1.9	-1.5	-1.6	-1.2	-0.8	-2.1	-1.6	-1.7	-1.3	-0.9
	12H	-2.0	-1.5	-1.6	-1.2	-0.9	-2.1	-1.7	-1.7	-1.3	-1.0
4H	2H	-2.0	-1.4	-1.6	-1.2	-0.9	-1.8	-1.3	-1.5	-1.0	-0.7
	3H	-1.8	-1.3	-1.4	-1.0	-0.7	-1.8	-1.4	-1.4	-1.0	-0.7
	4H	-1.8	-1.4	-1.4	-1.1	-0.7	-1.8	-1.5	-1.4	-1.1	-0.7
	6H	-1.9	-1.6	-1.5	-1.2	-0.8	-1.9	-1.6	-1.5	-1.2	-0.7
	8H	-1.9	-1.6	-1.5	-1.2	-0.8	-1.9	-1.6	-1.5	-1.2	-0.8
	12H	-2.0	-1.7	-1.5	-1.3	-0.8	-2.0	-1.7	-1.5	-1.3	-0.8
8H	4H	-1.9	-1.6	-1.5	-1.2	-0.8	-2.0	-1.6	-1.5	-1.2	-0.8
	6H	-2.0	-1.8	-1.5	-1.3	-0.8	-2.0	-1.8	-1.6	-1.3	-0.9
	8H	-2.1	-1.9	-1.6	-1.4	-0.9	-2.1	-1.9	-1.6	-1.4	-0.9
	12H	-2.1	-1.9	-1.6	-1.4	-0.9	-2.1	-1.9	-1.6	-1.5	-0.9
12H	4H	-2.0	-1.7	-1.5	-1.3	-0.8	-2.0	-1.7	-1.6	-1.3	-0.8
	6H	-2.1	-1.9	-1.6	-1.4	-0.9	-2.1	-1.9	-1.6	-1.4	-0.9
	8H	-2.1	-1.9	-1.6	-1.4	-0.9	-2.1	-1.9	-1.6	-1.5	-0.9
Variations with the observer position at spacing:											
S =	1.0H	3.7 / -4.4					3.7 / -4.4				
	1.5H	6.3 / -4.1					6.3 / -4.1				
	2.0H	8.1 / -5.7					8.1 / -5.7				