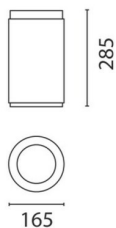


Last information update: March 2023

**Product configuration: BA12+L213**

BA12: Small body luminaires Professional version with adjustable flood optic and electronic control gear

**Product code**BA12: Small body luminaires Professional version with adjustable flood optic and electronic control gear **Attention! Code no longer in production****Technical description**

Direct lighting system for use with 35W HIT discharge lamps with orientable Flood optic ( $\pm 20^\circ$  on the vertical axis and  $360^\circ$  on the horizontal plane), equipped with a graduated scale system for precision aim. Optical assembly, ceiling base, and frame all made of die-cast aluminium alloy with acrylic liquid paint finish that is highly resistant to atmospheric agents and UV rays; sodium calcium transparent tempered glass, 4mm thick, is connected with silicone to the frame. Silicone water tight interior gaskets. Fastening steel cables between the lower frame and the optical assembly and between the optical assembly and the upper base. 99,96% ultrapure aluminium reflectors. Various accessories available: refractor, anti-glare spill-ring, diffusing glass and coloured filters. All external screws are A2 stainless steel.

**Installation**

Ceiling installation with down light emission.

**Colour**

Grey (15)

**Mounting**

ceiling surface

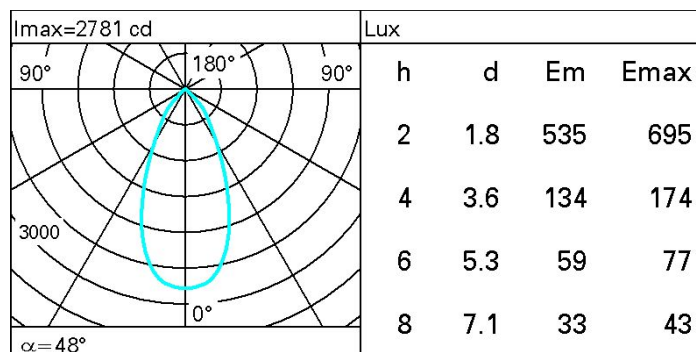
**Wiring**

Double PG13,5 polyamide cable clamp for pass-through cables. Connection between the terminal box and the control gear via quick connecting terminals. Power supply group with electronic ballast.

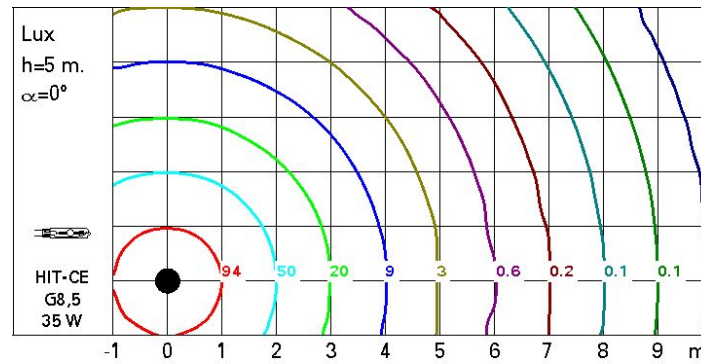
Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2049	Colour temperature [K]:	3000
W system:	39	Ballast losses [W]:	4
Im source:	3400	Voltage [Vin]:	230
W source:	35	Lamp code:	L213
Luminous efficiency (Im/W, real value):	52,5	Socket:	G8,5
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of $90^\circ$ [Lm]:	0	ZVEI Code:	HIT-CE
Light Output Ratio (L.O.R.) [%]:	60	Number of optical assemblies:	1
Beam angle $[\alpha]$ :	$48^\circ$	Intervallo temperatura ambiente:	from $-20^\circ\text{C}$ to $+35^\circ\text{C}$ .
CRI:	85		

**Polar**

### Isolux



### UGR diagram

Corrected UGR values (at 3400 lm bare lamp luminous flux)												
Reflect.:		viewed crosswise					viewed endwise					
ceiling		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												
x	y											
2H	2H	17.9	18.0	18.2	18.8	19.1	17.9	18.0	18.2	18.8	19.1	
	3H	17.8	18.4	18.1	18.7	18.9	17.8	18.4	18.1	18.7	18.9	
	4H	17.7	18.3	18.0	18.6	18.9	17.7	18.3	18.0	18.6	18.9	
	6H	17.6	18.2	18.0	18.5	18.8	17.6	18.1	18.0	18.5	18.8	
	8H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.4	18.8	
	12H	17.6	18.1	18.0	18.4	18.8	17.6	18.0	17.9	18.4	18.7	
4H	2H	17.7	18.3	18.0	18.6	18.9	17.7	18.3	18.0	18.6	18.9	
	3H	17.6	18.0	18.0	18.4	18.7	17.6	18.1	18.0	18.4	18.7	
	4H	17.5	17.9	17.9	18.3	18.7	17.5	17.9	17.9	18.3	18.7	
	6H	17.4	17.8	17.9	18.2	18.6	17.4	17.8	17.8	18.2	18.6	
	8H	17.4	17.7	17.8	18.2	18.6	17.4	17.7	17.8	18.1	18.6	
	12H	17.4	17.7	17.8	18.1	18.6	17.3	17.6	17.8	18.1	18.5	
8H	4H	17.4	17.7	17.8	18.1	18.6	17.4	17.7	17.8	18.2	18.6	
	6H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.1	18.5	
	8H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5	
	12H	17.3	17.5	17.8	17.9	18.5	17.2	17.4	17.7	17.9	18.5	
12H	4H	17.3	17.6	17.8	18.1	18.5	17.4	17.7	17.8	18.1	18.6	
	6H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5	
	8H	17.2	17.4	17.7	17.9	18.5	17.3	17.5	17.8	17.9	18.5	
Variations with the observer position at spacing:												
S =		1.0H	2.9 / -9.0				2.9 / -9.0					
		1.5H	5.5 / -10.7				5.5 / -10.7					
		2.0H	7.4 / -11.3				7.4 / -11.3					