

## iGuzzini

**Product configuration: PH18.G1**

Product code

## Technical description

## Installation

**Colour**  
Black/Black Transparent (G1)

Weight (Kg)  
0.75

## Mounting

Low voltage track

## Wiring

Direct connection on 48V track. Track power supply unit to be ordered separately. Luminaire that can be controlled with Bluetooth technology (Casambi).

## Notes

(\*) The maximum distance for Bluetooth installations is affected by physical obstacles, like walls, metal panels and the layout of the system. We suggest that a test is conducted at the installation site. Technical and anti-glare accessories available; with option of the combined installation of two internal accessories.

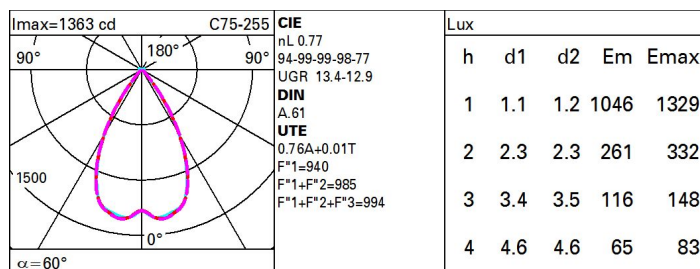
Complies with EN60598-1 and pertinent regulations



## Technical data

Im system:	1294	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	11	Voltage [Vin]:	48
Im source:	1680	Lamp code:	LED
W source:	9.5	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	117.6	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	25	LED current [mA]:	39
Light Output Ratio (L.O.R.) [%]:	77	Power factor:	See installation instructions
CRI (minimum):	90	Minimum dimming %:	1
Colour temperature [K]:	3000	Control:	Casambi
MacAdam Step:	3		

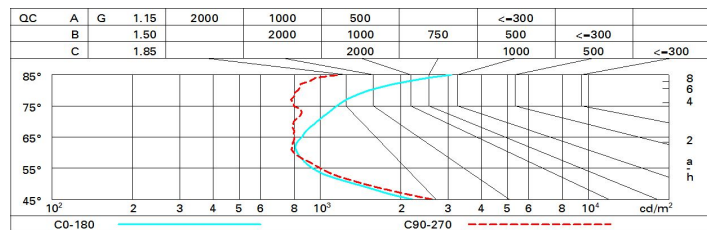
## Polar



# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	63	60	58	62	59	59	56	74
1.0	70	66	64	62	65	63	63	60	79
1.5	74	71	69	67	70	68	67	65	86
2.0	77	75	73	72	73	72	71	68	90
2.5	78	77	75	74	75	74	73	71	93
3.0	80	78	77	76	77	76	75	72	96
4.0	81	80	79	78	78	77	76	74	97
5.0	81	80	80	79	79	78	77	74	99

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1680 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	13.2	13.8	13.5	14.1	14.4	13.2	13.8	13.5	14.0	14.3
	3H	13.2	13.7	13.5	14.0	14.3	13.0	13.6	13.4	13.9	14.2
	4H	13.2	13.7	13.6	14.0	14.4	13.0	13.5	13.3	13.8	14.1
	6H	13.3	13.7	13.7	14.1	14.5	12.9	13.4	13.3	13.7	14.1
	8H	13.4	13.8	13.8	14.2	14.6	12.9	13.3	13.3	13.7	14.0
	12H	13.6	14.0	14.0	14.3	14.7	12.8	13.3	13.2	13.6	14.0
4H	2H	13.0	13.5	13.4	13.9	14.2	13.1	13.6	13.5	13.9	14.2
	3H	13.0	13.4	13.4	13.8	14.2	13.0	13.4	13.4	13.8	14.2
	4H	13.1	13.4	13.5	13.8	14.3	12.9	13.3	13.4	13.7	14.1
	6H	13.3	13.6	13.7	14.0	14.5	12.9	13.2	13.3	13.6	14.1
	8H	13.4	13.7	13.9	14.2	14.6	12.9	13.2	13.3	13.6	14.1
	12H	13.7	14.0	14.2	14.5	15.0	12.8	13.1	13.3	13.6	14.1
8H	4H	13.0	13.3	13.5	13.8	14.2	13.0	13.3	13.4	13.7	14.2
	6H	13.3	13.5	13.8	14.0	14.5	13.0	13.2	13.5	13.7	14.2
	8H	13.5	13.8	14.1	14.3	14.8	13.0	13.2	13.5	13.7	14.2
	12H	14.0	14.2	14.6	14.7	15.3	13.0	13.2	13.6	13.7	14.3
12H	4H	13.0	13.2	13.5	13.7	14.2	13.0	13.3	13.5	13.7	14.2
	6H	13.3	13.5	13.8	14.0	14.5	13.0	13.3	13.6	13.8	14.3
	8H	13.6	13.8	14.1	14.3	14.8	13.1	13.3	13.6	13.8	14.4
Variations with the observer position at spacing:											
S =	1.0H	3.4 / -3.0					4.0 / -4.7				
	1.5H	5.8 / -3.2					6.6 / -5.0				
	2.0H	7.7 / -3.4					8.6 / -5.1				