Front Light

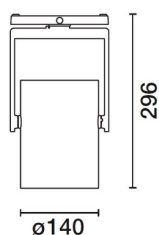**Design iGuzzini**   **iGuzzini**

Last information update: May 2024

Product configuration: P097+J005
P097: pendant - Warm White - Medium Optic
J005: Suspension L = 500 mm

Product code
P097: pendant - Warm White - Medium Optic **Attention! Code no longer in production**

Technical description
Pendant luminaire equipped with a three-phase adapter for electrified tracks, made of die-cast aluminium and thermoplastic material. The pendant system consists of steel cables L=2000 that provide a simple mechanical anchoring system. Having been rotated and tilted, the luminaire can be locked mechanically in position to ensure efficient light aiming (during maintenance operations too). Luminaire for high yield C.O.B.technology LED lamp with monochrome emission in a warm white colour tone (3000K). Medium optic. Equipped with electronic ballast. Equipped with an accessory holding ring designed to contain a flat accessory. An external component may also be applied, such as directional flaps with 360° rotation.

Installation
On an electrified track

Colour	**Weight (Kg)**
White (01) | Black (04) | Grey / Black (74)	2.4

Mounting
three circuit track pendant|ceiling surface

Wiring
product complete with electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly CE 03 S EHC NOM IRAM S

Technical data

lm system:	5360	CRI:	80
W system:	50.3	Colour temperature [K]:	3000
lm source:	6800	MacAdam Step:	2
W source:	46	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	106.6	Lamp code:	LED
lm 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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	32°		

Polar

CIE	Lux			
nL 0.79	h	d	Em	Emax
99-100-100-100-79				
UGR <10-<10	2	1.1	3594	4399
DIN				
A.61	4	2.3	899	1100
UTE				
0.79A+0.00T	6	3.4	399	489
F"1=994				
F"1+F"2=998				
F"1+F"2+F"3=1000	8	4.6	225	275
CIBSE				
LG3 L<3000 cd/m² at 65°				
UGR<10 | L<3000 cd/mq @65°				

Imax=17595 cd

α=32°

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	62	78
1.0	74	71	68	67	70	68	68	65	83
1.5	78	75	73	72	74	73	72	70	88
2.0	80	78	77	76	77	76	75	73	93
2.5	82	80	79	78	79	78	77	75	96
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	100

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ——— C90-270 - - - - - - - - -
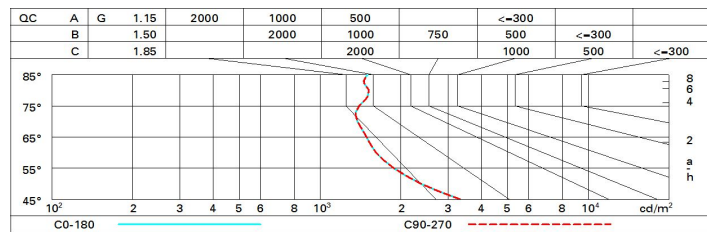
UGR diagram

Corrected UGR values (at 6800 lm bare lamp luminous flux)

Riflect.: ceil/cav	walls	work pl.	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20	0.70 0.50 0.20	0.70 0.30 0.20	0.50 0.50 0.20	0.50 0.30 0.20	0.30 0.30 0.20

Room dim x	y	viewed crosswise					viewed endwise				
2H	2H	4.4	4.9	4.6	5.1	5.4	4.4	4.9	4.6	5.1	5.4
	3H	4.5	5.0	4.8	5.3	5.5	4.4	4.8	4.7	5.1	5.4
	4H	4.6	5.1	5.0	5.4	5.7	4.3	4.8	4.7	5.1	5.3
	6H	4.8	5.2	5.1	5.5	5.8	4.3	4.7	4.6	5.0	5.3
	8H	4.8	5.2	5.2	5.6	5.9	4.3	4.6	4.6	5.0	5.3
	12H	4.9	5.2	5.2	5.6	5.9	4.2	4.6	4.6	4.9	5.3
4H	2H	4.3	4.8	4.7	5.1	5.3	4.6	5.1	5.0	5.4	5.7
	3H	4.6	5.0	5.0	5.3	5.7	4.7	5.1	5.1	5.4	5.8
	4H	4.8	5.1	5.2	5.5	5.9	4.8	5.1	5.2	5.5	5.9
	6H	5.0	5.3	5.4	5.7	6.1	4.8	5.1	5.2	5.5	5.9
	8H	5.1	5.4	5.6	5.8	6.2	4.8	5.1	5.2	5.5	5.9
	12H	5.2	5.4	5.6	5.9	6.3	4.8	5.0	5.2	5.5	5.9
8H	4H	4.8	5.1	5.2	5.5	5.9	5.1	5.4	5.6	5.8	6.2
	6H	5.2	5.4	5.6	5.8	6.3	5.3	5.5	5.7	5.9	6.4
	8H	5.3	5.5	5.8	6.0	6.5	5.3	5.5	5.8	6.0	6.5
	12H	5.5	5.6	6.0	6.1	6.6	5.4	5.5	5.9	6.0	6.5
12H	4H	4.8	5.0	5.2	5.5	5.9	5.2	5.4	5.6	5.9	6.3
	6H	5.2	5.4	5.6	5.8	6.3	5.4	5.6	5.8	6.0	6.5
	8H	5.4	5.5	5.9	6.0	6.5	5.5	5.6	6.0	6.1	6.6

Variations with the observer position at spacing:

S =	1.0H	4.1 / -2.2	4.1 / -2.2
	1.5H	6.6 / -2.6	6.6 / -2.6
	2.0H	8.5 / -2.7	8.5 / -2.7