Front Light

Design iGuzzini **iGuzzini**

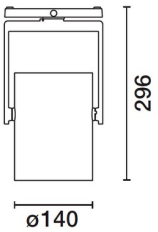
Last information update: May 2024

Product configuration: P098
P098: pendant - Warm White - Flood Optic

Product code
P098: pendant - Warm White - Flood 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). Flood 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

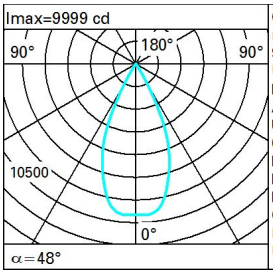
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	5366	CRI (minimum):	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):	106.7	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 [°]:	48°		

Polar



CIE
nL 0.79
99-100-100-100-79
UGR 10.9-10.9
DIN
A.61
UTE
0.79A+0.00T
F"1=986
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

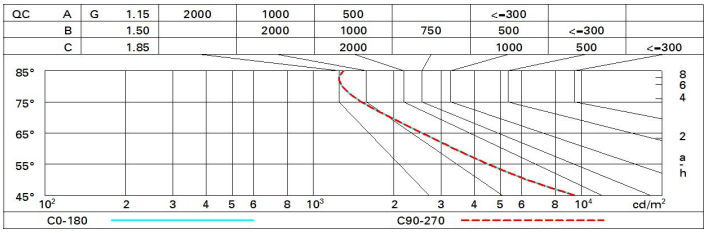
Lux

h	d	Em	Emax
2	1.8	1946	2496
4	3.6	487	624
6	5.3	216	277
8	7.1	122	156

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	64	62	66	64	64	61	77
1.0	74	71	68	66	70	68	67	65	82
1.5	78	75	73	72	74	73	72	69	88
2.0	80	78	77	76	77	76	75	73	92
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	81	80	79	77	97
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



UGR diagram

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

Riflect.: 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 crosswise					viewed endwise		
x	y										
2H	2H	11.1	11.8	11.4	12.0	12.2	11.1	11.8	11.4	12.0	12.2
	3H	11.1	11.7	11.4	11.9	12.2	11.1	11.6	11.4	11.9	12.2
	4H	11.1	11.6	11.4	11.9	12.2	11.0	11.5	11.4	11.8	12.1
	6H	11.0	11.5	11.4	11.8	12.1	11.0	11.4	11.3	11.7	12.1
	8H	11.0	11.5	11.4	11.8	12.1	10.9	11.4	11.3	11.7	12.0
	12H	11.0	11.4	11.3	11.7	12.1	10.9	11.3	11.3	11.6	12.0
4H	2H	11.0	11.5	11.4	11.8	12.1	11.1	11.6	11.4	11.9	12.2
	3H	11.0	11.4	11.4	11.8	12.1	11.0	11.5	11.4	11.8	12.1
	4H	11.0	11.4	11.4	11.7	12.1	11.0	11.4	11.4	11.7	12.1
	6H	10.9	11.3	11.4	11.7	12.1	10.9	11.2	11.3	11.6	12.1
	8H	10.9	11.2	11.3	11.6	12.1	10.9	11.2	11.3	11.6	12.0
	12H	10.9	11.2	11.3	11.6	12.0	10.8	11.1	11.3	11.5	12.0
8H	4H	10.9	11.2	11.3	11.6	12.0	10.9	11.2	11.3	11.6	12.1
	6H	10.8	11.1	11.3	11.5	12.0	10.9	11.1	11.3	11.6	12.0
	8H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.5	12.0
	12H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.5	12.0
12H	4H	10.8	11.1	11.3	11.5	12.0	10.9	11.2	11.3	11.6	12.0
	6H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.5	12.0
	8H	10.8	11.0	11.3	11.5	12.0	10.8	11.0	11.3	11.5	12.0

Variations with the observer position at spacing:

S =			
	1.0H	5.2 / -5.0	5.2 / -5.0
	1.5H	7.9 / -6.2	7.9 / -6.2
	2.0H	9.8 / -7.0	9.8 / -7.0