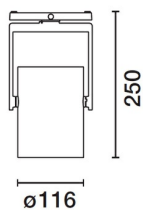# Front Light

Design iGuzzini   **iGuzzini**

Last information update: May 2024

Product configuration: N278
N278: pendant - Warm White - Wide Flood Optic

Product code
N278: pendant - Warm White - Wide Flood Optic **Attention! Code no longer in production**

Technical description
Pendant luminaire equipped with a three-phase adapter for electrified tracks or a base, 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 output C.O.B.technology LED lamp with monochrome emission in a warm white colour tone (3000K) CRI 90. Wide 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 or base

Colour   **Weight (Kg)**
White (01) | Black (04)   1.7

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

Technical data

lm system:	1758	CRI:	90
W system:	19.4	Colour temperature [K]:	3000
lm source:	2200	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	90.6	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	42°		

Polar

Imax=3736 cd

CIE	
nL 0.80	
99-100-100-100-80	
UGR <10-<10	
DIN	
A.61	
UTE	
0.80A+0.00T	
F"1=991	
F"1+F"2=998	
F"1+F"2+F"3=999	
CIBSE	
LG3 L<1500 cd/m² at 65°	
UGR<10 l L<1500 cd/mq @65°	

α=42°

Lux

h	d	Em	Emax
2	1.5	752	927
4	3.1	188	232
6	4.6	84	103
8	6.1	47	58

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	66	63	67	65	65	62	78
1.0	75	72	69	67	71	69	68	66	82
1.5	79	76	74	73	75	74	73	70	88
2.0	81	79	78	77	78	77	76	74	93
2.5	83	81	80	79	80	79	78	76	95
3.0	84	83	82	81	82	81	80	78	97
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	84	84	84	83	82	80	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 ------------
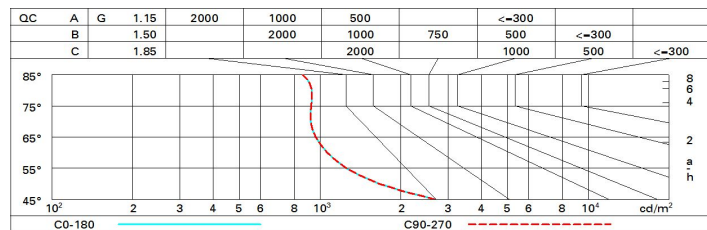
UGR diagram

Corrected UGR values (at 2200 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 x	y	viewed crosswise					viewed endwise				
2H	2H	7.6	8.2	7.9	8.4	8.7	7.6	8.2	7.9	8.4	8.7
	3H	7.6	8.1	7.9	8.4	8.7	7.5	8.0	7.8	8.3	8.6
	4H	7.6	8.1	7.9	8.4	8.7	7.5	8.0	7.8	8.2	8.5
	6H	7.6	8.0	7.9	8.3	8.7	7.4	7.8	7.7	8.2	8.5
	8H	7.6	8.0	7.9	8.3	8.7	7.4	7.8	7.7	8.1	8.5
	12H	7.6	8.0	7.9	8.3	8.7	7.3	7.7	7.7	8.1	8.4
4H	2H	7.5	8.0	7.8	8.2	8.5	7.6	8.1	7.9	8.4	8.7
	3H	7.5	7.9	7.8	8.2	8.6	7.5	7.9	7.9	8.3	8.6
	4H	7.5	7.8	7.9	8.2	8.6	7.5	7.8	7.9	8.2	8.6
	6H	7.5	7.8	7.9	8.2	8.7	7.4	7.8	7.9	8.2	8.6
	8H	7.5	7.8	8.0	8.2	8.7	7.4	7.7	7.9	8.1	8.6
	12H	7.5	7.8	8.0	8.2	8.7	7.4	7.6	7.8	8.1	8.5
8H	4H	7.4	7.7	7.9	8.1	8.6	7.5	7.8	8.0	8.2	8.7
	6H	7.5	7.7	8.0	8.2	8.7	7.5	7.8	8.0	8.2	8.7
	8H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7
	12H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7
12H	4H	7.4	7.6	7.8	8.1	8.5	7.5	7.8	8.0	8.2	8.7
	6H	7.5	7.7	7.9	8.1	8.6	7.5	7.7	8.0	8.2	8.7
	8H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7

Variations with the observer position at spacing:				
S =	1.0H	5.3 / -4.9		5.3 / -4.9
	1.5H	8.0 / -5.3		8.0 / -5.3
	2.0H	10.0 / -5.5		10.0 / -5.5