

## Front Light

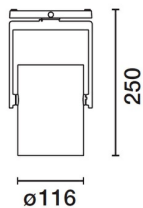
Design iGuzzini

iGuzzini

Last information update: May 2024

### Product configuration: N281

N281: pendant - Warm White - Wide Flood Optic



### Product code

N281: 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

White (01) | Black (04)

### Weight (Kg)

1.7

### Mounting

three circuit track pendant|ceiling surface

### Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	2556	CRI:	90
W system:	30.2	Colour temperature [K]:	3000
lm source:	3200	MacAdam Step:	2
W source:	28	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	84.7	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	42°		

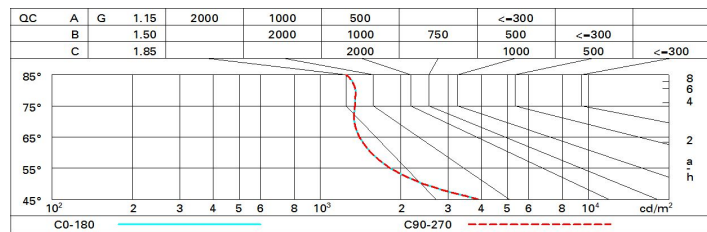
### Polar

	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<1500 cd/mq @ 65°			
	Lux			
	h	d	Em	E <sub>max</sub>
	2	1.5	1093	1348
	4	3.1	273	337
	6	4.6	121	150
	8	6.1	68	84

# 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



# UGR diagram

Corrected UGR values (at 3200 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x      y		viewed crosswise					viewed endwise				
2H	2H	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
	3H	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
	4H	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	6H										
	8H										
	12H										
4H	2H	8.9	9.5	9.2	9.7	10.0	8.9	9.5	9.2	9.7	10.0
	3H	8.9	9.4	9.2	9.7	10.0	8.8	9.3	9.1	9.6	9.9
	4H	8.9	9.4	9.2	9.7	10.0	8.8	9.3	9.1	9.5	9.8
	6H	8.9	9.3	9.2	9.6	10.0	8.7	9.1	9.1	9.5	9.8
	8H	8.9	9.3	9.2	9.6	10.0	8.7	9.1	9.0	9.4	9.8
	12H	8.9	9.3	9.2	9.6	10.0	8.6	9.0	9.0	9.4	9.7
4H	2H	8.8	9.3	9.1	9.5	9.8	8.9	9.4	9.2	9.7	10.0
	3H	8.8	9.2	9.1	9.5	9.9	8.8	9.2	9.2	9.6	9.9
	4H	8.8	9.2	9.2	9.5	9.9	8.8	9.2	9.2	9.5	9.9
	6H	8.8	9.1	9.2	9.5	10.0	8.7	9.1	9.2	9.5	9.9
	8H	8.8	9.1	9.3	9.5	10.0	8.7	9.0	9.2	9.4	9.9
	12H	8.8	9.1	9.3	9.5	10.0	8.7	8.9	9.1	9.4	9.8
8H	4H	8.7	9.0	9.2	9.4	9.9	8.8	9.1	9.3	9.5	10.0
	6H	8.8	9.0	9.3	9.5	10.0	8.8	9.1	9.3	9.5	10.0
	8H	8.8	9.0	9.3	9.5	10.0	8.8	9.0	9.3	9.5	10.0
	12H	8.8	9.0	9.3	9.5	10.0	8.8	9.0	9.3	9.5	10.0
12H	4H	8.7	8.9	9.1	9.4	9.8	8.8	9.1	9.3	9.5	10.0
	6H	8.8	9.0	9.2	9.4	9.9	8.8	9.0	9.3	9.5	10.0
	8H	8.8	9.0	9.3	9.5	10.0	8.8	9.0	9.3	9.5	10.0
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				