

Front Light

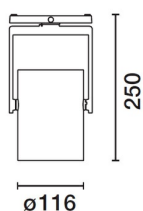
Design iGuzzini

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Last information update: May 2024

Product configuration: N276

N276: pendant - Warm White - Spot Optic



Product code

N276: pendant - Warm White - Spot 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. Spot 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)

Mounting

three circuit track pendant|ceiling surface

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1717	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):	88.5	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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	12°		

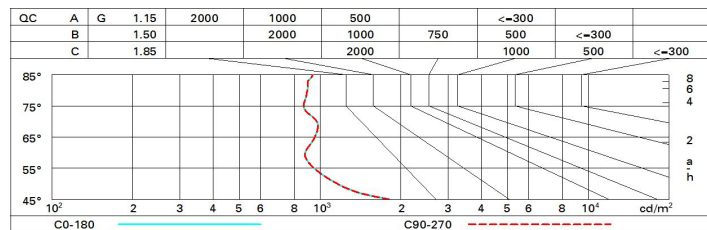
Polar

Imax=20654 cd		CIE		Lux			
				h	d	Em	E _{max}
		nL 0.78 99-100-100-100-78 UGR <10-10 DIN A.61 UTE 0.78A+0.00T F*1=993 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°		2	0.4	4134	5163
				4	0.8	1034	1291
				6	1.3	459	574
				8	1.7	258	323

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	64	63	61	78
1.0	73	70	68	66	69	67	67	64	83
1.5	77	75	73	71	74	72	71	69	88
2.0	79	78	76	75	77	75	74	72	93
2.5	81	80	79	78	78	77	77	75	96
3.0	82	81	80	79	80	79	78	76	98
4.0	83	82	82	81	81	80	79	77	99
5.0	83	83	82	82	82	81	80	78	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2200 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	0.6	2.7	0.9	3.0	3.3	0.6	2.7	0.9	3.0	3.3
	3H	1.2	2.6	1.5	2.9	3.2	0.7	2.1	1.0	2.4	2.7
	4H	1.5	2.6	1.8	2.9	3.2	0.7	1.8	1.1	2.2	2.5
	6H	1.8	2.6	2.1	2.9	3.3	0.8	1.6	1.1	1.9	2.2
	8H	1.9	2.7	2.2	3.1	3.4	0.7	1.6	1.1	1.9	2.3
	12H	1.9	2.9	2.3	3.2	3.6	0.6	1.6	1.0	2.0	2.4
4H	2H	0.7	1.8	1.1	2.2	2.5	1.5	2.6	1.8	2.9	3.2
	3H	1.5	2.5	1.9	2.8	3.2	1.7	2.7	2.1	3.1	3.4
	4H	1.8	2.9	2.2	3.3	3.8	1.8	2.9	2.2	3.3	3.8
	6H	1.9	3.7	2.4	4.2	4.6	1.6	3.4	2.1	3.9	4.3
	8H	2.0	4.0	2.5	4.4	4.9	1.6	3.5	2.1	4.0	4.5
	12H	2.1	4.1	2.6	4.6	5.1	1.5	3.5	2.0	4.0	4.5
8H	4H	1.6	3.5	2.1	4.0	4.5	2.0	4.0	2.5	4.4	4.9
	6H	2.1	3.8	2.6	4.3	4.9	2.3	4.0	2.8	4.5	5.0
	8H	2.5	3.9	3.0	4.4	4.9	2.5	3.9	3.0	4.4	4.9
	12H	2.9	3.7	3.5	4.2	4.7	2.8	3.5	3.3	4.0	4.6
12H	4H	1.5	3.5	2.0	4.0	4.5	2.1	4.1	2.6	4.6	5.1
	6H	2.2	3.6	2.8	4.1	4.7	2.6	3.9	3.1	4.4	5.0
	8H	2.8	3.5	3.3	4.0	4.6	2.9	3.7	3.5	4.2	4.7
Variations with the observer position at spacing:											
S =	1.0H	1.5 / -1.2					1.5 / -1.2				
	1.5H	3.3 / -1.4					3.3 / -1.4				
	2.0H	4.8 / -1.4					4.8 / -1.4				