Front Light

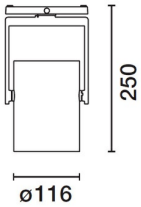
Design iGuzzini **iGuzzini**

Last information update: May 2018

pendant - Warm White - Spot Optic

Product code
N276

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

Dimension (mm)
Ø116x250

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

IP20 IP40 for optical assembly

Product configuration: N276

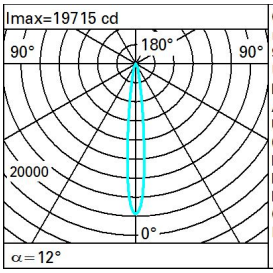
Product characteristics

Total lighting output [Lm]: 1639	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 19.4	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 84.5	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 78	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.4
Nominal power [W]: 17	Colour temperature [K]: 3000
Nominal luminous [Lm]: 2100	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 12°	MacAdam Step: 2

Polar



CIE
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<1000 cd/m² at 65°

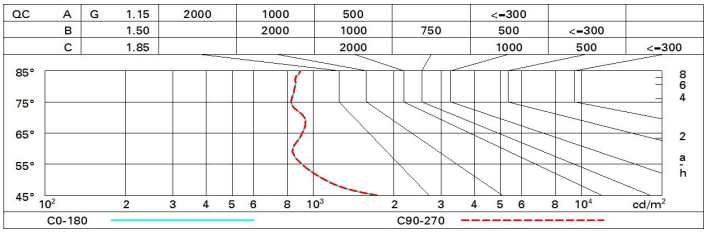
Lux

h	d	Em	Emax
2	0.4	3947	4929
4	0.8	987	1232
6	1.3	439	548
8	1.7	247	308

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 2100 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	0.4	2.5	0.8	2.8	3.2	0.4	2.5	0.8	2.8	3.2
	3H	1.0	2.4	1.4	2.8	3.1	0.5	1.9	0.9	2.2	2.6
	4H	1.3	2.4	1.7	2.7	3.1	0.6	1.7	0.9	2.0	2.3
	6H	1.6	2.4	2.0	2.8	3.1	0.6	1.4	1.0	1.7	2.1
	8H	1.7	2.6	2.1	2.9	3.3	0.6	1.4	0.9	1.8	2.1
	12H	1.7	2.7	2.1	3.1	3.5	0.5	1.5	0.9	1.8	2.2
4H	2H	0.6	1.7	0.9	2.0	2.3	1.3	2.4	1.7	2.7	3.1
	3H	1.3	2.3	1.7	2.7	3.0	1.6	2.5	2.0	2.9	3.3
	4H	1.6	2.8	2.0	3.2	3.6	1.6	2.8	2.0	3.2	3.6
	6H	1.8	3.5	2.2	4.0	4.5	1.5	3.3	1.9	3.7	4.2
	8H	1.9	3.8	2.4	4.3	4.8	1.4	3.4	1.9	3.8	4.3
	12H	2.0	3.9	2.5	4.4	4.9	1.4	3.3	1.9	3.8	4.3
8H	4H	1.4	3.4	1.9	3.8	4.3	1.9	3.8	2.4	4.3	4.8
	6H	2.0	3.7	2.5	4.2	4.7	2.1	3.8	2.6	4.3	4.8
	8H	2.3	3.7	2.8	4.2	4.7	2.3	3.7	2.8	4.2	4.7
	12H	2.8	3.5	3.3	4.0	4.6	2.6	3.4	3.1	3.9	4.4
12H	4H	1.4	3.3	1.9	3.8	4.3	2.0	3.9	2.5	4.4	4.9
	6H	2.1	3.5	2.6	4.0	4.5	2.4	3.8	2.9	4.3	4.8
	8H	2.6	3.4	3.1	3.9	4.4	2.8	3.5	3.3	4.0	4.6

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