Front Light

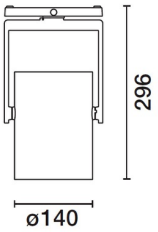
Design iGuzzini **iGuzzini**

Last information update: May 2018

pendant - Warm White - Wide Flood Optic

Product code
N284

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 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

Dimension (mm)
Ø140x296

Colour
White (01) | Black (04)

Weight (Kg)
2.4

Mounting
three circuit track pendant|ceiling surface

Wiring
product complete with electronic components

Complies with EN60598-1 and pertinent regulations

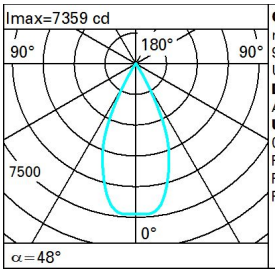
IP20 IP40 for optical assembly

Product configuration: N284

Product characteristics
Total lighting output [Lm]: 3945
Total power [W]: 44.1
Luminous efficacy [Lm/W]: 89.5
Life Time: > 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 41
Nominal luminous [Lm]: 5000
Lamp maximum intensity [cd]: /
Beam angle [°]: 48°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.1
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

Polar



CIE
nL 0.79
98-100-100-100-79
UGR 10.5-10.5
DIN
A.61
UTE
0.79A+0.00T
F"1=984
F"1+F"2=996
F"1+F"2+F"3=999

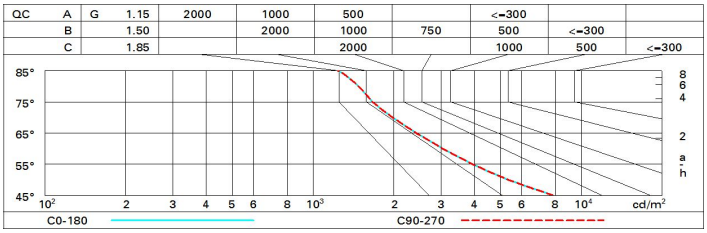
Lux

h	d	Em	Emax
2	1.8	1426	1834
4	3.6	357	458
6	5.3	158	204
8	7.1	89	115

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	72	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	80	80	79	77	97
4.0	84	83	82	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 5000 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	10.6	11.2	10.8	11.4	11.6	10.6	11.2	10.8	11.4	11.6
	3H	10.6	11.1	10.9	11.4	11.7	10.5	11.1	10.8	11.3	11.6
	4H	10.6	11.1	10.9	11.4	11.7	10.5	11.0	10.8	11.3	11.6
	6H	10.6	11.0	10.9	11.3	11.7	10.4	10.9	10.8	11.2	11.5
	8H	10.5	11.0	10.9	11.3	11.7	10.4	10.8	10.7	11.2	11.5
	12H	10.5	11.0	10.9	11.3	11.6	10.3	10.8	10.7	11.1	11.5
4H	2H	10.5	11.0	10.8	11.3	11.6	10.6	11.1	10.9	11.4	11.7
	3H	10.5	11.0	10.9	11.3	11.7	10.6	11.0	11.0	11.3	11.7
	4H	10.5	10.9	10.9	11.3	11.7	10.5	10.9	10.9	11.3	11.7
	6H	10.6	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.7
	8H	10.5	10.9	11.0	11.3	11.7	10.5	10.8	10.9	11.2	11.6
	12H	10.5	10.8	11.0	11.2	11.7	10.4	10.7	10.9	11.1	11.6
8H	4H	10.5	10.8	10.9	11.2	11.6	10.5	10.9	11.0	11.3	11.7
	6H	10.5	10.8	11.0	11.2	11.7	10.5	10.8	11.0	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
	12H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
12H	4H	10.4	10.7	10.9	11.1	11.6	10.5	10.8	11.0	11.2	11.7
	6H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7
	8H	10.5	10.7	11.0	11.2	11.7	10.5	10.7	11.0	11.2	11.7

Variations with the observer position at spacing:

S =	1.0H	4.7 / -3.9	4.7 / -3.9
	1.5H	7.4 / -4.8	7.4 / -4.8
	2.0H	9.3 / -5.4	9.3 / -5.4