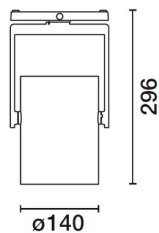# Front Light

Design iGuzzini   **iGuzzini**

Last information update: May 2024

Product configuration: N284+J005
N284: pendant - Warm White - Wide Flood Optic
J005: Suspension L = 500 mm

Product code
N284: 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, 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

Colour	**Weight (Kg)**
White (01)	Black (04)	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   CE   03   EHC   NOM   RAM   S

Technical data

lm system:	4182	CRI:	90
W system:	44.1	Colour temperature [K]:	3000
lm source:	5300	MacAdam Step:	2
W source:	41	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	94.8	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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	48°		

Polar

CIE				
nL 0.79				
98-100-100-100-79				
UGR 10.7-10.7				

DIN
A.61
UTE
0.79A+0.00T
F"1=984
F"1+F"2=996
F"1+F"2+F"3=999
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 | L<3000 cd/mq @65°

Imax=7801 cd
α=48°

Lux			
h	d	Em	Emax
2	1.8	1512	1944
4	3.6	378	486
6	5.3	168	216
8	7.1	94	121

296
ø140

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

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

85°											8
											6
75°											4
65°											2
55°											a
											h
45°	10²	2	3	4	5	6	8	10³	2	3	4 5 6 8 10⁴ cd/m²

C0-180 ——————   C90-270 - - - - - - - - - - -
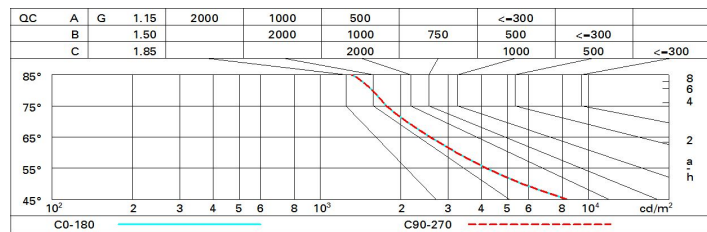
UGR diagram

Corrected UGR values (at 5300 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					viewed		
x	y			crosswise					endwise		
2H	2H	10.8	11.4	11.0	11.6	11.8	10.8	11.4	11.0	11.6	11.8
	3H	10.8	11.3	11.1	11.6	11.9	10.7	11.3	11.0	11.5	11.8
	4H	10.8	11.3	11.1	11.6	11.9	10.7	11.2	11.0	11.5	11.8
	6H	10.8	11.2	11.1	11.5	11.9	10.6	11.1	11.0	11.4	11.7
	8H	10.8	11.2	11.1	11.5	11.9	10.6	11.0	10.9	11.4	11.7
	12H	10.7	11.2	11.1	11.5	11.8	10.5	11.0	10.9	11.3	11.7
4H	2H	10.7	11.2	11.0	11.5	11.8	10.8	11.3	11.1	11.6	11.9
	3H	10.7	11.2	11.1	11.5	11.9	10.8	11.2	11.2	11.5	11.9
	4H	10.7	11.1	11.1	11.5	11.9	10.7	11.1	11.1	11.5	11.9
	6H	10.8	11.1	11.2	11.5	11.9	10.7	11.0	11.1	11.4	11.9
	8H	10.7	11.1	11.2	11.5	11.9	10.7	11.0	11.1	11.4	11.8
	12H	10.7	11.0	11.2	11.4	11.9	10.6	10.9	11.1	11.3	11.8
8H	4H	10.7	11.0	11.1	11.4	11.8	10.7	11.1	11.2	11.5	11.9
	6H	10.7	11.0	11.2	11.4	11.9	10.7	11.0	11.2	11.4	11.9
	8H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
	12H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
12H	4H	10.6	10.9	11.1	11.3	11.8	10.7	11.0	11.2	11.4	11.9
	6H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9
	8H	10.7	10.9	11.2	11.4	11.9	10.7	10.9	11.2	11.4	11.9

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