

Front Light

Design iGuzzini

iGuzzini

Last information update: May 2024

Product configuration: N293

N293: Warm White - Wide Flood Optic



Product code

N293: Warm White - Wide Flood Optic **Attention! Code no longer in production**

Technical description

Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Mechanical aiming locks both for rotation about the vertical axis and tilting relative to the horizontal plane. Equipped with electronic ballast. Luminaire complete with LED unit, C.O.B. technology, and wide flood optic with warm white colour 3000K CRI 90.

Installation

On an electrified track

Colour

White (01) | Black (04) | Grey / Black (74)

Weight (Kg)

0.95

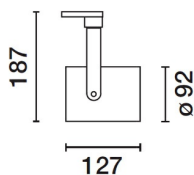
Mounting

three circuit track

Wiring

product complete with electronic components

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1421	CRI (minimum):	90
W system:	15.4	Colour temperature [K]:	3000
lm source:	1800	MacAdam Step:	2
W source:	14	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	92.3	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 [°]:	56°		

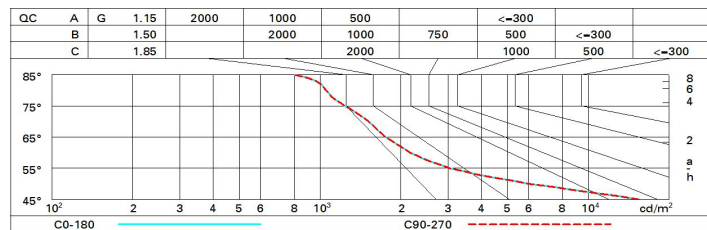
Polar

Imax=1826 cd		CIE		Lux			
90°	180°	90°		h	d	Em	Emax
		<p>nL 0.79 98-100-100-100-79 UGR 17.1-17.1 DIN A.61 UTE 0.79A+0.00T F*1=975 F*1+F*2=997 F*1+F*2+F*3=1000 CIBSE LG3 L<3000 cd/m² at 65° UGR<19 L<3000 cd/mq @ 65°</p>		2	2.1	362	453
				4	4.3	91	113
				6	6.4	40	50
				8	8.5	23	28

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	67	64	62	66	63	63	61	77
1.0	74	70	68	66	69	67	67	64	81
1.5	78	75	73	71	74	72	72	69	88
2.0	80	78	77	75	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 1800 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	17.6	18.2	17.9	18.4	18.7	17.6	18.2	17.9	18.4	18.7
	3H	17.5	18.0	17.8	18.3	18.6	17.5	18.0	17.8	18.3	18.6
	4H	17.4	17.9	17.7	18.2	18.5	17.4	17.9	17.7	18.2	18.5
	6H	17.3	17.8	17.7	18.1	18.5	17.3	17.8	17.7	18.1	18.4
	8H	17.3	17.8	17.7	18.1	18.4	17.3	17.7	17.7	18.1	18.4
	12H	17.3	17.7	17.6	18.0	18.4	17.3	17.7	17.6	18.0	18.4
4H	2H	17.4	17.9	17.7	18.2	18.5	17.4	17.9	17.7	18.2	18.5
	3H	17.3	17.7	17.6	18.0	18.4	17.3	17.7	17.7	18.0	18.4
	4H	17.2	17.6	17.6	17.9	18.3	17.2	17.6	17.6	17.9	18.3
	6H	17.1	17.4	17.5	17.8	18.3	17.1	17.4	17.5	17.8	18.3
	8H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	12H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
8H	4H	17.1	17.4	17.5	17.8	18.2	17.1	17.4	17.5	17.8	18.2
	6H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	12H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
12H	4H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2
	6H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
	8H	16.9	17.1	17.4	17.6	18.1	16.9	17.1	17.4	17.6	18.1
Variations with the observer position at spacing:											
S =	1.0H	5.6 / -11.9					5.6 / -11.9				
	1.5H	8.4 / -13.1					8.4 / -13.1				
	2.0H	10.4 / -13.6					10.4 / -13.6				