

View Opti Linear

Design iGuzzini /
Arup

iGuzzini

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Product configuration: N983

N983: small body - warm white - wide flood optic



Product code

N983: small body - warm white - wide flood optic **Attention! Code no longer in production**

Technical description

Adjustable spotlight with adapter for installation on electrified track for a linear PCB LED lamp with a Warm White (3000K) tone. Product complete with super pure anodized aluminium reflector to guarantee wide flood light distribution. Electronic ballast integrated in the body. Die-cast aluminium optical assembly. Rotates 360° about the vertical axis and tilts 90° relative to the horizontal plane. Passive heat dissipation. Option of installing a range of outdoor accessories including an anti-glare and an asymmetric screen.

Installation

On an electrified track or base

Colour

Black (04) | Black / White (47)

Weight (Kg)

0.9

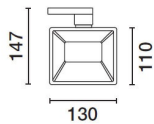
Mounting

three circuit track|ceiling surface

Wiring

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1665	CRI (minimum):	80
W system:	19.6	Colour temperature [K]:	3000
lm source:	1850	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	84.9	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.) [%]:	90	Number of optical assemblies:	1
Beam angle [°]:	82° / 104°		

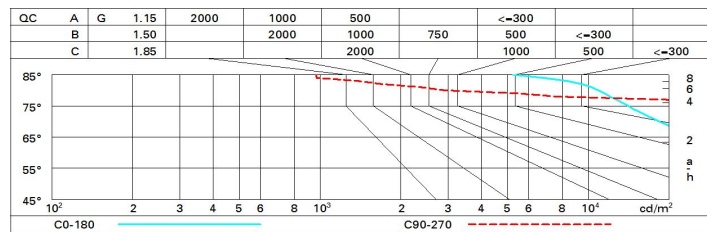
Polar

<p>Imax=801 cd C5-185 γ=14° 90° 180° 90° 750 0° α=82° / 104°</p>	CIE nL 0.90 63-92-99-100-90 UGR 27.7-32.5 DIN A.51 UTE 0.90C+0.00T F*1=629 F*1+F*2=916 F*1+F*2+F*3=992					Lux				
	h	d1	d2	Em	Emax					
	1	1.7	2.6	512	778					
	2	3.5	5.1	128	194					
	3	5.2	7.7	57	86					
	4	7	10.2	32	49					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	58	52	48	56	51	51	46	51
1.0	71	64	59	55	63	58	58	52	58
1.5	80	74	70	66	73	69	68	63	70
2.0	85	80	77	74	79	75	74	70	78
2.5	87	84	81	78	82	79	78	74	83
3.0	89	86	84	81	84	82	81	77	86
4.0	91	89	87	85	87	85	84	80	89
5.0	92	90	89	87	89	87	86	82	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 1850 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	27.2	28.1	27.5	28.4	28.6	31.4	32.4	31.7	32.6	32.9
	3H	27.1	28.0	27.5	28.3	28.6	31.5	32.4	31.8	32.7	32.9
	4H	27.1	27.9	27.5	28.2	28.5	31.5	32.3	31.8	32.6	32.9
	6H	27.0	27.8	27.4	28.1	28.4	31.4	32.1	31.8	32.4	32.8
	8H	27.0	27.7	27.4	28.1	28.4	31.4	32.1	31.7	32.4	32.7
	12H	27.0	27.7	27.4	28.0	28.4	31.3	32.0	31.7	32.3	32.7
4H	2H	27.8	28.6	28.2	28.9	29.2	32.4	33.2	32.7	33.5	33.8
	3H	27.8	28.5	28.2	28.9	29.2	32.6	33.3	33.0	33.6	34.0
	4H	27.8	28.4	28.2	28.8	29.2	32.6	33.2	33.0	33.6	34.0
	6H	27.7	28.3	28.2	28.7	29.1	32.6	33.1	33.0	33.5	33.9
	8H	27.7	28.2	28.2	28.6	29.1	32.5	33.0	33.0	33.4	33.9
	12H	27.7	28.1	28.1	28.5	29.0	32.5	32.9	33.0	33.4	33.8
8H	4H	27.9	28.4	28.4	28.8	29.3	32.6	33.1	33.0	33.5	33.9
	6H	27.9	28.3	28.4	28.8	29.2	32.6	33.0	33.1	33.5	33.9
	8H	27.9	28.2	28.4	28.7	29.2	32.6	32.9	33.1	33.4	33.9
	12H	27.8	28.1	28.4	28.6	29.1	32.6	32.9	33.1	33.3	33.9
12H	4H	27.9	28.4	28.4	28.8	29.3	32.6	33.0	33.0	33.4	33.9
	6H	27.9	28.3	28.4	28.7	29.2	32.6	32.9	33.1	33.4	33.9
	8H	27.9	28.2	28.4	28.7	29.2	32.6	32.9	33.1	33.3	33.9
Variations with the observer position at spacing:											
S =		1.0H					1.0 / -2.0				
		1.5H					1.8 / -4.4				
		2.0H					3.1 / -6.0				
							0.4 / -0.4				
							0.7 / -1.4				
							1.7 / -1.9				