Front Light

Design iGuzzini **iGuzzini**

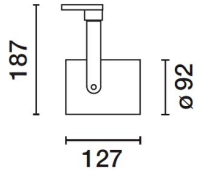
Last information update: May 2018

Warm White - Flood Optic

Product code
N289

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 flood optic with warm white colour 3000K.

Installation
On an electrified track



Dimension (mm)
Ø92x127

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

IP20 IP40 for optical assembly

Product configuration: N289

Product characteristics

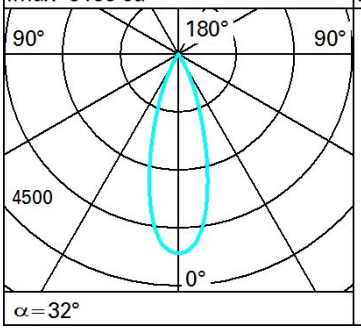
Total lighting output [Lm]: 1676
Total power [W]: 15.4
Luminous efficacy [Lm/W]: 108.9
Life Time: > 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 80
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 14
Nominal luminous [Lm]: 2100
Lamp maximum intensity [cd]: /
Beam angle [°]: 32°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 1.4
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

Polar

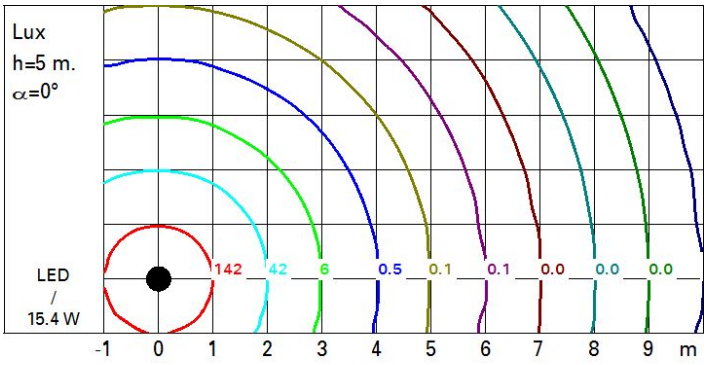
Imax=5165 cd



Lux

h	d	Em	Emax
2	1.1	1020	1291
4	2.3	255	323
6	3.4	113	143
8	4.6	64	81

Isolux



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 x	y	viewed crosswise					viewed endwise				
2H	2H	7.5	8.1	7.8	8.3	8.5	7.5	8.1	7.8	8.3	8.5
	3H	7.5	8.0	7.8	8.3	8.5	7.4	7.9	7.7	8.2	8.5
	4H	7.5	7.9	7.8	8.2	8.5	7.4	7.8	7.7	8.1	8.4
	6H	7.4	7.9	7.8	8.2	8.5	7.3	7.7	7.7	8.0	8.4
	8H	7.4	7.8	7.8	8.1	8.5	7.3	7.7	7.6	8.0	8.3
	12H	7.4	7.8	7.7	8.1	8.4	7.2	7.6	7.6	8.0	8.3
4H	2H	7.4	7.8	7.7	8.1	8.4	7.5	7.9	7.8	8.2	8.5
	3H	7.4	7.8	7.8	8.1	8.5	7.4	7.8	7.8	8.1	8.5
	4H	7.4	7.7	7.8	8.1	8.5	7.4	7.7	7.8	8.1	8.5
	6H	7.3	7.6	7.8	8.0	8.5	7.3	7.6	7.7	8.0	8.4
	8H	7.3	7.6	7.7	8.0	8.4	7.3	7.6	7.7	8.0	8.4
	12H	7.3	7.5	7.7	7.9	8.4	7.2	7.5	7.7	7.9	8.4
8H	4H	7.3	7.6	7.7	8.0	8.4	7.3	7.6	7.7	8.0	8.4
	6H	7.3	7.5	7.7	7.9	8.4	7.3	7.5	7.7	7.9	8.4
	8H	7.2	7.4	7.7	7.9	8.4	7.2	7.4	7.7	7.9	8.4
	12H	7.2	7.4	7.7	7.8	8.4	7.2	7.4	7.7	7.8	8.4
12H	4H	7.2	7.5	7.7	7.9	8.4	7.3	7.5	7.7	7.9	8.4
	6H	7.2	7.4	7.7	7.9	8.4	7.2	7.4	7.7	7.9	8.4
	8H	7.2	7.4	7.7	7.8	8.4	7.2	7.4	7.7	7.8	8.4

Variations with the observer position at spacing:

S =			
	1.0H	5.7 / -5.7	5.7 / -5.7
	1.5H	8.4 / -6.5	8.4 / -6.5
	2.0H	10.4 / -6.9	10.4 / -6.9