iSight

Design iGuzzini **iGuzzini**

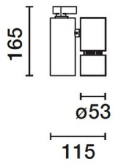
Last information update: June 2023

Product configuration: N338
N338: small body - warm white - flood optic

Product code
N338: small body - warm white - flood optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on mains voltage track for high-performance LED source with CoB technology, with monochromatic Warm White (3000K) emission. Product inclusive of flood optic reflector. The luminaire is made up of two die-cast aluminium cylinders. One cylinder houses the electronic components, while the other houses the optical assembly. Features 360° rotation around the vertical axis and 90° inclination with respect to the horizontal axis. The product is equipped with mechanical locking devices to facilitate aiming. Passive cooling system. A series of flat accessories can be installed, including refractor for elliptical distribution, soft lens, baffle and diffusion filter, as well as one of the following external accessories: anti-glare screen, wall-washer screen and cross baffle.

Installation
Mounted on electrified track or on base



Colour
White (01) | Black (04)

Weight (Kg)
0.7

Mounting
three circuit track|ceiling surface

Wiring
Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

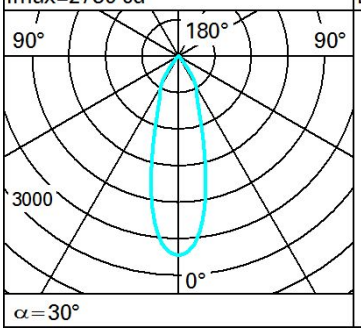
Technical data

lm system:	1108
W system:	12.2
lm source:	1500
W source:	10
Luminous efficiency (lm/W, real value):	90.8
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	74
Beam angle [°]:	30°

CRI:	80
Colour temperature [K]:	3000
MacAdam Step:	2
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Ballast losses [W]:	2.2
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1

Polar

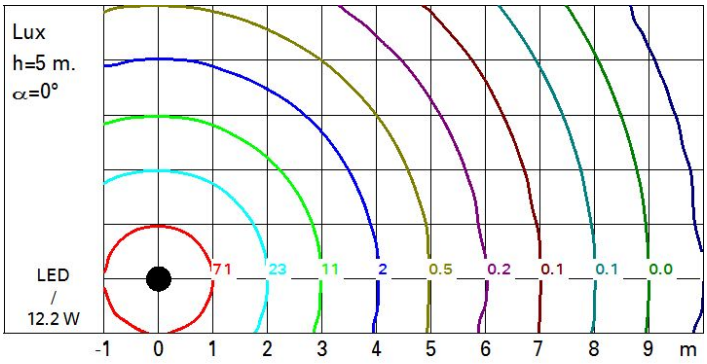
Imax=2730 cd



Lux

h	d	Em	Emax
2	1.1	539	682
4	2.1	135	171
6	3.2	60	76
8	4.3	34	43

Isolux



UGR diagram

Corrected UGR values (at 1500 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	21.4	22.0	21.7	22.2	22.5	21.4	22.0	21.7	22.2	22.5
	3H	21.3	21.8	21.6	22.1	22.4	21.3	21.8	21.6	22.1	22.4
	4H	21.2	21.7	21.5	22.0	22.3	21.2	21.7	21.5	22.0	22.3
	6H	21.1	21.6	21.5	21.9	22.2	21.1	21.6	21.5	21.9	22.2
	8H	21.1	21.6	21.4	21.9	22.2	21.1	21.6	21.4	21.9	22.2
	12H	21.0	21.5	21.4	21.8	22.2	21.0	21.5	21.4	21.8	22.2
4H	2H	21.2	21.7	21.5	22.0	22.3	21.2	21.7	21.5	22.0	22.3
	3H	21.1	21.5	21.4	21.9	22.2	21.1	21.5	21.4	21.9	22.2
	4H	21.0	21.4	21.4	21.8	22.1	21.0	21.4	21.4	21.8	22.1
	6H	20.9	21.3	21.3	21.7	22.1	20.9	21.3	21.3	21.7	22.1
	8H	20.9	21.2	21.3	21.6	22.0	20.9	21.2	21.3	21.6	22.0
	12H	20.8	21.1	21.3	21.5	22.0	20.8	21.1	21.3	21.5	22.0
8H	4H	20.9	21.2	21.3	21.6	22.0	20.9	21.2	21.3	21.6	22.0
	6H	20.8	21.0	21.2	21.5	22.0	20.8	21.0	21.2	21.5	22.0
	8H	20.7	20.9	21.2	21.4	21.9	20.7	20.9	21.2	21.4	21.9
	12H	20.7	20.9	21.2	21.4	21.9	20.7	20.9	21.2	21.4	21.9
12H	4H	20.8	21.1	21.3	21.5	22.0	20.8	21.1	21.3	21.5	22.0
	6H	20.7	20.9	21.2	21.4	21.9	20.7	20.9	21.2	21.4	21.9
	8H	20.7	20.9	21.2	21.4	21.9	20.7	20.9	21.2	21.4	21.9

Variations with the observer position at spacing:

S =			
	1.0H	5.4 / -8.7	5.4 / -8.7
	1.5H	8.2 / -10.6	8.2 / -10.6
	2.0H	10.2 / -13.2	10.2 / -13.2