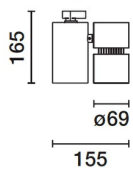**iSight**

Design iGuzzini	iGuzzini

Last information update: June 2023

Product configuration: N342
N342: large body - neutral white - flood optic

Product code
N342: large body - neutral 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 Neutral White (4000K) 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	Weight (Kg)
White (01)	Black (04)	1.1

Mounting
three circuit track|ceiling surface

Wiring
Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly CE 03

Technical data

lm system:	2621	CRI:	80
W system:	23.8	Colour temperature [K]:	4000
lm source:	3200	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	110.1	Ballast losses [W]:	2.8
		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.) [%]:	82	Number of optical assemblies:	1
Beam angle [°]:	42°		

Polar

Imax=4350 cd

CIE
nL 0.82
96-100-100-100-82
UGR 22.0-22.0
DIN
A.61
UTE
0.82A+0.00T
F"1=963
F"1+F"2=996
F"1+F"2+F"3=1000

α=42°

Lux			
h	d	Em	Emax
2	1.5	840	1088
4	3.1	210	272
6	4.6	93	121
8	6.1	53	68

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	66	63	68	65	65	62	76
1.0	76	72	70	68	72	69	69	66	81
1.5	80	77	75	74	77	75	74	71	87
2.0	83	81	79	78	80	78	77	75	92
2.5	85	83	82	81	82	81	80	77	95
3.0	86	85	84	83	83	82	81	79	97
4.0	87	86	85	85	84	84	83	81	98
5.0	87	87	86	86	85	85	83	81	99

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

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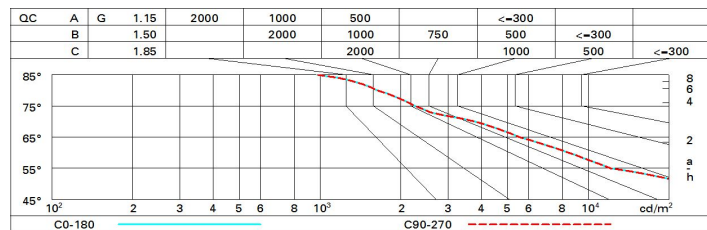
UGR diagram

Corrected UGR values (at 3200 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	22.5	23.2	22.8	23.4	23.7	22.5	23.2	22.8	23.4	23.7
	3H	22.4	23.0	22.7	23.3	23.5	22.4	23.0	22.7	23.3	23.5
	4H	22.3	22.9	22.6	23.2	23.5	22.3	22.9	22.6	23.2	23.5
	6H	22.2	22.8	22.6	23.1	23.4	22.2	22.8	22.6	23.1	23.4
	8H	22.2	22.7	22.6	23.0	23.4	22.2	22.7	22.6	23.0	23.4
	12H	22.2	22.6	22.5	23.0	23.3	22.2	22.6	22.5	23.0	23.3
4H	2H	22.3	22.9	22.6	23.2	23.5	22.3	22.9	22.6	23.2	23.5
	3H	22.2	22.7	22.5	23.0	23.3	22.2	22.7	22.5	23.0	23.3
	4H	22.1	22.5	22.5	22.9	23.3	22.1	22.5	22.5	22.9	23.3
	6H	22.0	22.4	22.4	22.8	23.2	22.0	22.4	22.4	22.8	23.2
	8H	22.0	22.3	22.4	22.7	23.1	22.0	22.3	22.4	22.7	23.1
	12H	21.9	22.2	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.1
8H	4H	22.0	22.3	22.4	22.7	23.1	22.0	22.3	22.4	22.7	23.1
	6H	21.9	22.1	22.3	22.6	23.1	21.9	22.1	22.3	22.6	23.1
	8H	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0
	12H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.0
12H	4H	21.9	22.2	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.1
	6H	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0
	8H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.0

Variations with the observer position at spacing:

S =	1.0H	4.9 / -11.6	4.9 / -11.6
	1.5H	7.7 / -13.9	7.7 / -13.9
	2.0H	9.7 / -15.4	9.7 / -15.4