Design iGuzzini

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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, wallwasher screen and cross baffle.

Installation

Mounted on electrified track or on base

Weight (Kg) Colour White (01) | Black (04)



three circuit track|ceiling surface

Wiring

Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

















Technical data

Im system:	2621	CRI:	80
W system:	23.8	Colour temperature [K]:	4000
Im source:	3200	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W,	110.1	Ballast losses [W]:	2.8
real value):		Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical	1
Total light flux at or above	0	assembly:	
an angle of 90° [Lm]:		ZVEI Code:	LED
Light Output Ratio (L.O.R.)	82	Number of optical	1
[%]:		assemblies:	
Beam angle [°]:	42°		

Polar

Imax=4350 cd	CIE	Lux			
90° 180° 90°	nL 0.82 96-100-100-100-82	h	d	Em	Emax
	UGR 22.0-22.0 DIN A.61	2	1.5	840	1088
	UTE 0.82A+0.00T F"1=963	4	3.1	210	272
4000	F"1+F"2=996 F"1+F"2+F"3=1000	6	4.6	93	121
α=42°		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	Α	G	1.15	20	000		1	000		500				<=3	00				
	В		1.50				21	000		1000		750		50	0		<=300		
	С		1.85							2000				100	00		500	<-	300
85° 75° 65° 55°																			8 6 4 2 a h
1	10 ²		2	3	4	5	6	8	10 ³		2	3	4	5	6	8	10 ⁴	cd/m	12
	C0-18	0 -					-				C90-	270							

2H 2 3 4 6 8 12 4H 2 3 4 6 8 8 12 8H 4 6 8 12	2H 3H 4H 6H 8H 112H	0.70 0.50 0.20 22.5 22.4 22.3 22.2 22.2 22.2 22.3 22.2	0.70 0.30 0.20 23.2 23.0 22.9 22.8 22.7 22.6	0.50 0.50 0.20 viewed crosswis 22.8 22.7 22.6 22.6 22.5	0.50 0.30 0.20 e 23.4 23.3 23.2 23.1 23.0 23.0	0.30 0.30 0.20 23.7 23.5 23.5 23.4 23.4 23.3	0.70 0.50 0.20 22.5 22.4 22.3 22.2 22.2 22.2	0.70 0.30 0.20 23.2 23.0 22.9 22.8 22.7 22.6	0.50 0.50 0.20 viewed endwise 22.8 22.7 22.6 22.6 22.6 22.5	0.50 0.30 0.20 23.4 23.3 23.2 23.1 23.0 23.0	23.1 23.1 23.2 23.2 23.2 23.2	
walls work pl. Room dir x y 2H 2 3 4 6 8 12 4H 2 8H 4 6 8 12	2H 3H 4H 6H 8H 12H 2H 3H	0.50 0.20 22.5 22.4 22.3 22.2 22.2 22.2 22.3 22.2	23.2 23.0 22.9 22.8 22.7 22.6	0.50 0.20 viewed crosswis 22.8 22.7 22.6 22.6 22.6 22.5	0.30 0.20 e 23.4 23.3 23.2 23.1 23.0 23.0	23.7 23.5 23.5 23.4 23.4 23.3	22.5 22.4 22.3 22.2 22.2 22.2	23.2 23.0 22.9 22.8 22.7 22.6	0.50 0.20 viewed endwise 22.8 22.7 22.6 22.6 22.6	0.30 0.20 23.4 23.3 23.2 23.1 23.0	23.1 23.1 23.2 23.2 23.2	
work pl. Room dir x y 2H 2 3 4 6 8 12 4H 2 3 4 6 8 12 8H 4 6 8 12	2H 3H 4H 6H 8H 12H	22.5 22.4 22.3 22.2 22.2 22.2 22.3 22.2	23.2 23.0 22.9 22.8 22.7 22.6	0.20 viewed crosswis 22.8 22.7 22.6 22.6 22.5 22.6	0.20 e 23.4 23.3 23.2 23.1 23.0 23.0	23.7 23.5 23.5 23.4 23.4 23.3	22.5 22.4 22.3 22.2 22.2	23.2 23.0 22.9 22.8 22.7 22.6	0.20 viewed endwise 22.8 22.7 22.6 22.6 22.6	23.4 23.3 23.2 23.1 23.0	23. 23. 23. 23. 23.	
Room din x y y 2H 2 3 4 6 8 12 4H 2 3 4 6 8 12 8H 4 6 8 12	2H 3H 4H 6H 8H 12H	22.5 22.4 22.3 22.2 22.2 22.2 22.3 22.3	23.2 23.0 22.9 22.8 22.7 22.6	22.8 22.7 22.6 22.6 22.6 22.5	23.4 23.3 23.2 23.1 23.0 23.0	23.7 23.5 23.5 23.4 23.4 23.3	22.5 22.4 22.3 22.2 22.2 22.2	23.2 23.0 22.9 22.8 22.7 22.6	22.8 22.7 22.6 22.6 22.6	23.4 23.3 23.2 23.1 23.0	23. 23. 23. 23. 23.	
X y 2H 2 3 4 6 8 12 4H 2 3 4 6 8 12 8H 4 6 8 12	y 2H 3H 4H 6H 8H 12H 2H 3H	22.4 22.3 22.2 22.2 22.2 22.2 22.3 22.2	23.2 23.0 22.9 22.8 22.7 22.6	22.8 22.7 22.6 22.6 22.6 22.5	23.4 23.3 23.2 23.1 23.0 23.0	23.5 23.5 23.4 23.4 23.3	22.4 22.3 22.2 22.2 22.2	23.0 22.9 22.8 22.7 22.6	22.8 22.7 22.6 22.6 22.6	23.4 23.3 23.2 23.1 23.0	23. 23. 23. 23.	
2H 2 3 4 6 8 12 4H 2 3 4 6 8 8 12 8H 4 6 8 8 12	2H 3H 4H 6H 8H 12H 2H 3H	22.4 22.3 22.2 22.2 22.2 22.2 22.3 22.2	23.2 23.0 22.9 22.8 22.7 22.6	22.8 22.7 22.6 22.6 22.6 22.5	23.4 23.3 23.2 23.1 23.0 23.0	23.5 23.5 23.4 23.4 23.3	22.4 22.3 22.2 22.2 22.2	23.0 22.9 22.8 22.7 22.6	22.8 22.7 22.6 22.6 22.6	23.4 23.3 23.2 23.1 23.0	23. 23. 23. 23.	
3 4 4 6 8 12 8 H 4 6 8 12 12 12 12 12 12 12 12 12 12 12 12 12	3H 4H 6H 8H 12H 2H 3H	22.4 22.3 22.2 22.2 22.2 22.2 22.3 22.2	23.0 22.9 22.8 22.7 22.6	22.7 22.6 22.6 22.6 22.5 22.5	23.3 23.2 23.1 23.0 23.0	23.5 23.5 23.4 23.4 23.3	22.4 22.3 22.2 22.2 22.2	23.0 22.9 22.8 22.7 22.6	22.6 22.6 22.6 22.6	23.3 23.2 23.1 23.0	23. 23. 23. 23.	
4H 2 2 3 4 6 8 12 8H 4 6 8 12	4H 6H 8H 12H 2H 3H	22.3 22.2 22.2 22.2 22.2 22.3 22.2	22.9 22.8 22.7 22.6	22.6 22.6 22.6 22.5 22.5	23.2 23.1 23.0 23.0	23.5 23.4 23.4 23.3	22.3 22.2 22.2 22.2	22.9 22.8 22.7 22.6	22.6 22.6 22.6	23.2 23.1 23.0	23. 23. 23.	
4H 2 3 4 6 8 12 8H 4 6 8 12	6H 8H 12H 2H 3H	22.2 22.2 22.2 22.3 22.2	22.8 22.7 22.6 22.9	22.6 22.6 22.5 22.6	23.1 23.0 23.0	23.4 23.4 23.3	22.2 22.2 22.2	22.8 22.7 22.6	22.6 22.6	23.1 23.0	23. 23.	
8 12 4H 2 3 4 6 8 12 8H 4 6 8 12	8H 12H 2H 3H	22.2 22.2 22.3 22.2	22.7 22.6 22.9	22.6 22.5 22.6	23.0 23.0	23.4 23.3	22.2 22.2	22.7 22.6	22.6	23.0	23.	
12 4H 2 3 4 6 8 12 8H 4 6 8 12	12H 2H 3H	22.2 22.3 22.2	22.6	22.5	23.0	23.3	22.2	22.6				
4H 2 3 3 4 6 8 12 8H 4 6 8 12	2H 3H	22.3 22.2	22.9	22.6	818083	216/452 0/2000	COMPOSITO	5.50500	22.5	23.0	23.	
3 4 6 8 12 8H 4 6 8	ЗН	22.2			23.2	23.5	222222					
4 6 8 12 8H 4 6 8	1000	2000	22.7	225		20.0	22.3	22.9	22.6	23.2	23.	
8H 4 6 8 12		30012000	111111111111	22.5	23.0	23.3	22.2	22.7	22.5	23.0	23.	
8 12 8H 4 6 8 12	4H	22.1	22.5	22.5	22.9	23.3	22.1	22.5	22.5	22.9	23.	
12 8H 4 6 8 12	6H	22.0	22.4	22.4	22.8	23.2	22.0	22.4	22.4	22.8	23.	
8H 4 6 8 12	HS	22.0	22.3	22.4	22.7	23.1	22.0	22.3	22.4	22.7	23.	
6 8 12	12H	21.9	22.2	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.	
8 12	4H	22.0	22.3	22.4	22.7	23.1	22.0	22.3	22.4	22.7	23.	
12	бН	21.9	22.1	22.3	22.6	23.1	21.9	22.1	22.3	22.6	23.	
	HS	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.	
	12H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.	
12H 4	4H	21.9	22.2	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.	
6	бН	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.	
8	HS	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.	
Variations	ns wi	th the ob	oserverp	noitieo	at spacin	g:						
S = 1.0	1.0H		4.	9 / -11	.6			4	9 / -11	.6		
1.5	1 5 11		7.	7 / -13	.9		7.7 / -13.9					