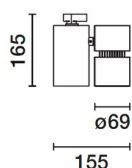


Last information update: May 2018

**large body - warm white - flood optic****Product code**

N344

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

Dimension (mm)

Ø69x165

Colour

White (01) | Black (04)

Weight (Kg)

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

**Product configuration: N344****Product characteristics**

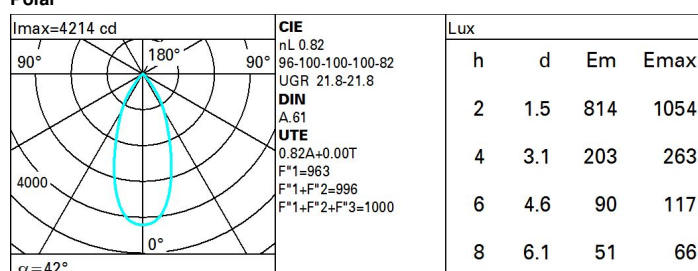
Total lighting output [Lm]: 2539
Total power [W]: 24.6
Luminous efficacy [Lm/W]: 103.2
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

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.) [%]: 82
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 22
Nominal luminous [Lm]: 3100
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°

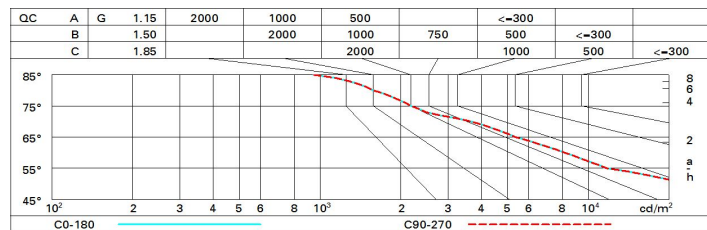
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.6
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

Polar

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



UGR diagram

Corrected UGR values (at 3100 lm bare lamp luminous flux)																
Reflect.:																
ceiling		0.70	0.70	0.50	0.50	0.30	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	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	0.20	0.20	0.20	0.20	0.20
Room dim		viewed						viewed								
x	y	crosswise						endwise								
2H	2H	22.4	23.1	22.7	23.3	23.6	22.4	23.1	22.7	23.3	23.6	22.4	23.1	22.7	23.3	23.6
	3H	22.3	22.9	22.6	23.2	23.4	22.3	22.9	22.6	23.2	23.4	22.3	22.9	22.6	23.2	23.4
	4H	22.2	22.8	22.5	23.1	23.4	22.2	22.8	22.5	23.1	23.4	22.2	22.8	22.5	23.1	23.4
	6H	22.1	22.6	22.5	23.0	23.3	22.1	22.6	22.5	23.0	23.3	22.1	22.6	22.5	23.0	23.3
	8H	22.1	22.6	22.5	22.9	23.3	22.1	22.6	22.5	22.9	23.3	22.1	22.6	22.5	22.9	23.3
	12H	22.0	22.5	22.4	22.9	23.2	22.0	22.5	22.4	22.9	23.2	22.0	22.5	22.4	22.9	23.2
4H	2H	22.2	22.8	22.5	23.1	23.4	22.2	22.8	22.5	23.1	23.4	22.2	22.8	22.5	23.1	23.4
	3H	22.1	22.5	22.4	22.9	23.2	22.1	22.5	22.4	22.9	23.2	22.1	22.5	22.4	22.9	23.2
	4H	22.0	22.4	22.4	22.8	23.1	22.0	22.4	22.4	22.8	23.1	22.0	22.4	22.4	22.8	23.1
	6H	21.9	22.3	22.3	22.7	23.1	21.9	22.3	22.3	22.7	23.1	21.9	22.3	22.3	22.7	23.1
	8H	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.3	22.6	23.0
	12H	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0
8H	4H	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.3	22.6	23.0	21.8	22.2	22.3	22.6	23.0
	6H	21.8	22.0	22.2	22.5	23.0	21.8	22.0	22.2	22.5	23.0	21.8	22.0	22.2	22.5	23.0
	8H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
	12H	21.7	21.9	22.2	22.3	22.9	21.7	21.9	22.2	22.3	22.9	21.7	21.9	22.2	22.3	22.9
12H	4H	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0
	6H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
	8H	21.7	21.9	22.2	22.3	22.9	21.7	21.9	22.2	22.3	22.9	21.7	21.9	22.2	22.3	22.9
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								