

Last information update: June 2023

Product configuration: N181

N181: small body - neutral white - flood optic

**Product code**N181: small 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 OPTIBEAM interchangeable reflector with flood optic. Electronic control gear housed in the power supply box positioned vertically with respect to the optical compartment. Optical compartment made of die-cast aluminium, easily customisable thermoplastic power supply box. Features 360° rotation around the vertical axis and 90° inclination with respect to the horizontal axis. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

Installation

Mounted on electrified track or on base

Colour

White (01) | Black (04)

Weight (Kg)

0.85

Mounting

three circuit track|ceiling surface

Wiring

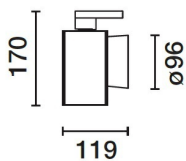
Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

IP20

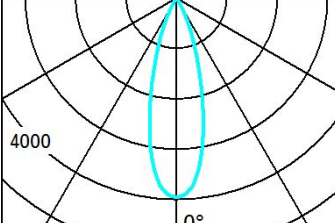
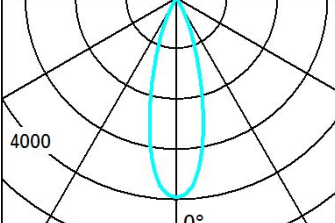
IP40

for optical assembly

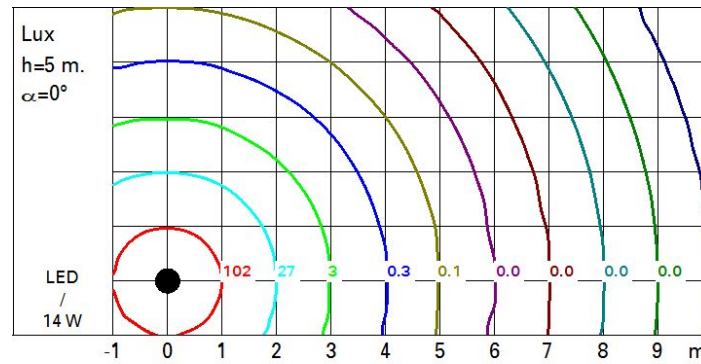
**Technical data**

lm system:	1152.3	CRI:	80
W system:	14	Colour temperature [K]:	4000
lm source:	1500	MacAdam Step:	3
W source:	12	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	82.3	Ballast losses [W]:	2
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	77	ZVEI Code:	LED
Beam angle [°]:	30°	Number of optical assemblies:	1

Polar

Imax=3960 cd		Lux			
90°	180°	h	d	Em	Emax
		2	1.1	777	990
		4	2.1	194	247
		6	3.2	86	110
		8	4.3	49	62
α=30°					

Isolux



UGR diagram

Photometric curve code: N1810000.B88 Corrected UGR values (at 1500 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	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	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	4.5	5.0	4.8	5.3	5.5	4.5	5.0	4.8	5.3	5.5	
	3H	4.5	5.0	4.9	5.3	5.6	4.4	4.9	4.8	5.2	5.5	
	4H	4.6	5.0	4.9	5.3	5.6	4.4	4.8	4.7	5.1	5.4	
	6H	4.5	4.9	4.9	5.2	5.6	4.3	4.8	4.7	5.1	5.4	
	8H	4.5	4.9	4.9	5.2	5.6	4.3	4.7	4.7	5.0	5.4	
	12H	4.5	4.9	4.9	5.2	5.5	4.3	4.6	4.6	5.0	5.3	
4H	2H	4.4	4.8	4.7	5.1	5.4	4.6	5.0	4.9	5.3	5.6	
	3H	4.5	4.9	4.9	5.2	5.6	4.6	4.9	4.9	5.3	5.6	
	4H	4.5	4.9	4.9	5.2	5.6	4.5	4.9	4.9	5.2	5.6	
	6H	4.5	4.8	5.0	5.2	5.6	4.5	4.8	4.9	5.2	5.6	
	8H	4.5	4.8	4.9	5.2	5.6	4.5	4.7	4.9	5.1	5.6	
	12H	4.5	4.7	4.9	5.1	5.6	4.4	4.7	4.9	5.1	5.5	
8H	4H	4.5	4.7	4.9	5.1	5.6	4.5	4.8	4.9	5.2	5.6	
	6H	4.5	4.7	4.9	5.1	5.6	4.5	4.7	5.0	5.2	5.6	
	8H	4.5	4.6	4.9	5.1	5.6	4.5	4.6	4.9	5.1	5.6	
	12H	4.4	4.6	4.9	5.1	5.6	4.4	4.6	4.9	5.1	5.6	
12H	4H	4.4	4.7	4.9	5.1	5.5	4.5	4.7	4.9	5.1	5.6	
	6H	4.4	4.6	4.9	5.1	5.6	4.5	4.6	4.9	5.1	5.6	
	8H	4.4	4.6	4.9	5.1	5.6	4.4	4.6	4.9	5.1	5.6	
Variations with the observer position at spacing:												
S =		1.0H	5.0	/ -4.2				5.0	/ -4.2			
		1.5H	7.7	/ -4.9				7.7	/ -4.9			
		2.0H	9.6	/ -5.3				9.6	/ -5.3			