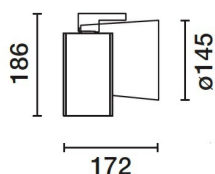


Last information update: June 2023

Product configuration: N198

N198: large body - neutral white - wide flood optic

**Product code**N198: large body - neutral white - wide 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 wide 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)

1.72

Mounting

three circuit track|ceiling surface

Wiring

Product inclusive of electronic components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	4261.7	CRI:	80
W system:	51	Colour temperature [K]:	4000
lm source:	5400	MacAdam Step:	3
W source:	46	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	83.6	Ballast losses [W]:	5
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.) [%]:	79	ZVEI Code:	LED
Beam angle [°]:	48°	Number of optical assemblies:	1

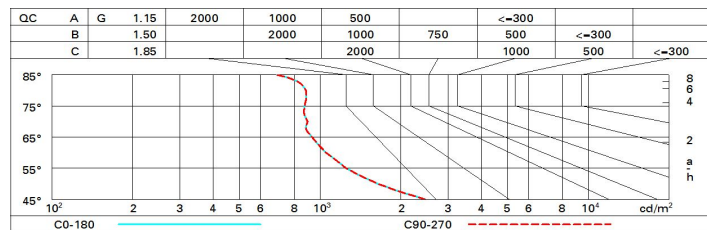
Polar

	CIE nL 0.79 99-100-100-100-79 UGR <10-<10 DIN A.61 UTE 0.79A+0.00T F*1=994 F*1+F*2=998 F*1+F*2+F*3=1000 CIBSE LG3 L<1000 cd/m² at 65° BZ1			
	Lux			
	h	d	Em	E _{max}
	2	1.8	1523	1835
	4	3.6	381	459
	6	5.3	169	204
	8	7.1	95	115

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	62	78
1.0	74	71	69	67	70	68	68	65	83
1.5	78	75	74	72	75	73	72	70	88
2.0	80	79	77	76	77	76	75	73	93
2.5	82	81	79	79	79	78	78	75	96
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	83	82	81	79	100

Luminance curve limit



UGR diagram

Photometric curve code: N2020000.B94										
Corrected UGR values (at 5400 lm bare lamp luminous flux)										
Riflect.:										
ceiling	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	7.8	8.3	8.1	8.6	8.8	7.8	8.3	8.1	8.6	8.8
3H	7.8	8.2	8.1	8.5	8.8	7.7	8.2	8.0	8.5	8.7
4H	7.7	8.2	8.1	8.5	8.8	7.7	8.1	8.0	8.4	8.7
6H	7.7	8.1	8.1	8.4	8.7	7.6	8.0	7.9	8.3	8.6
8H	7.7	8.1	8.1	8.4	8.7	7.6	7.9	7.9	8.3	8.6
12H	7.7	8.0	8.0	8.4	8.7	7.5	7.9	7.9	8.2	8.6
4H 2H	7.7	8.1	8.0	8.4	8.7	7.7	8.2	8.1	8.5	8.8
3H	7.6	8.0	8.0	8.3	8.7	7.7	8.0	8.0	8.3	8.7
4H	7.6	7.9	8.0	8.3	8.7	7.6	7.9	8.0	8.3	8.7
6H	7.6	7.9	8.0	8.3	8.7	7.5	7.8	8.0	8.2	8.6
8H	7.6	7.8	8.0	8.2	8.7	7.5	7.8	7.9	8.2	8.6
12H	7.5	7.8	8.0	8.2	8.7	7.5	7.7	7.9	8.1	8.6
8H 4H	7.5	7.8	7.9	8.2	8.6	7.6	7.8	8.0	8.2	8.7
6H	7.5	7.7	8.0	8.2	8.6	7.5	7.7	8.0	8.2	8.7
8H	7.5	7.7	8.0	8.2	8.7	7.5	7.7	8.0	8.2	8.7
12H	7.5	7.7	8.0	8.1	8.7	7.5	7.6	8.0	8.1	8.6
12H 4H	7.5	7.7	7.9	8.1	8.6	7.5	7.8	8.0	8.2	8.7
6H	7.5	7.7	8.0	8.1	8.6	7.5	7.7	8.0	8.2	8.7
8H	7.5	7.6	8.0	8.1	8.6	7.5	7.7	8.0	8.1	8.7
Variations with the observer position at spacing:										
S =	1.0H	6.0 / -6.3				6.0 / -6.3				
	1.5H	8.8 / -6.8				8.8 / -6.8				
	2.0H	10.8 / -7.0				10.8 / -7.0				