iShop

Design Carlo Colombo **iGuzzini**

Last information update: June 2023

Product configuration: N186
N186: medium body - neutral white - flood optic

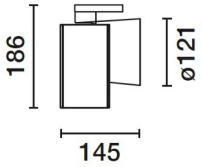
Product code
N186: medium body - neutral white - flood optic **Attention! Code no longer in production**

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)
1.26



Mounting
three circuit track|ceiling surface

Wiring
Product inclusive of electronic components

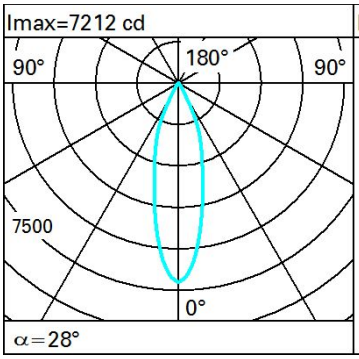
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	2382	CRI:	80
W system:	31.5	Colour temperature [K]:	4000
lm source:	3100	MacAdam Step:	3
W source:	29	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	75.6	Ballast losses [W]:	2.5
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.) [%]:	77	ZVEI Code:	LED
Beam angle [°]:	28°	Number of optical assemblies:	1

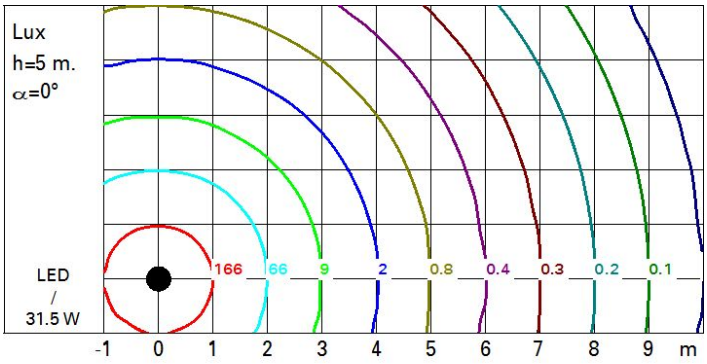
Polar



Lux

h	d	Em	Emax
2	1	1370	1803
4	2	342	451
6	3	152	200
8	4	86	113

Isolux



UGR diagram

Corrected UGR values (at 3100 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 crosswise					viewed endwise		
x	y										
2H	2H	12.9	13.5	13.2	13.7	14.0	12.9	13.5	13.2	13.7	14.0
	3H	14.1	14.6	14.4	14.9	15.2	13.2	13.7	13.5	14.0	14.3
	4H	14.8	15.3	15.1	15.6	15.9	13.3	13.8	13.6	14.1	14.4
	6H	15.5	15.9	15.8	16.3	16.6	13.3	13.8	13.7	14.1	14.5
	8H	15.8	16.2	16.1	16.5	16.9	13.4	13.8	13.7	14.2	14.5
	12H	15.9	16.3	16.3	16.7	17.0	13.4	13.8	13.7	14.1	14.5
4H	2H	13.3	13.8	13.6	14.1	14.4	14.8	15.3	15.1	15.6	15.9
	3H	14.8	15.2	15.1	15.5	15.9	15.4	15.8	15.7	16.1	16.5
	4H	15.6	16.0	16.0	16.4	16.8	15.6	16.0	16.0	16.4	16.8
	6H	16.5	16.9	17.0	17.3	17.7	15.9	16.3	16.3	16.7	17.1
	8H	16.9	17.2	17.3	17.6	18.1	16.0	16.3	16.5	16.7	17.2
	12H	17.1	17.4	17.5	17.8	18.3	16.1	16.3	16.5	16.8	17.2
8H	4H	16.0	16.3	16.5	16.7	17.2	16.9	17.2	17.3	17.6	18.1
	6H	17.1	17.4	17.6	17.8	18.3	17.4	17.6	17.8	18.1	18.5
	8H	17.6	17.8	18.0	18.3	18.7	17.6	17.8	18.0	18.3	18.7
	12H	17.8	18.0	18.3	18.5	19.0	17.7	17.9	18.2	18.4	18.9
12H	4H	16.1	16.3	16.5	16.8	17.2	17.1	17.4	17.5	17.8	18.3
	6H	17.2	17.4	17.7	17.9	18.4	17.6	17.8	18.1	18.3	18.8
	8H	17.7	17.9	18.2	18.4	18.9	17.8	18.0	18.3	18.5	19.0

Variations with the observer position at spacing:

S =	1.0H	0.7 / -0.3	0.7 / -0.3
	1.5H	1.7 / -0.5	1.7 / -0.5
	2.0H	2.7 / -0.6	2.7 / -0.6