iShop

Design Carlo Colombo **iGuzzini**

Last information update: June 2023

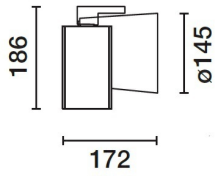
Product configuration: N202
N202: large body - warm white - wide flood optic

Product code
N202: large body - warm 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 Warm White (3000K) 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	**Weight (Kg)**
White (01) | Black (04)	1.72



Mounting
three circuit track|ceiling surface

Wiring
Product inclusive of electronic components

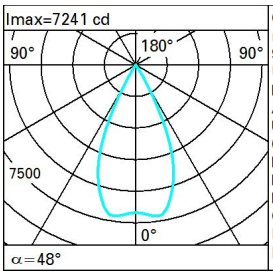
Complies with EN60598-1 and pertinent regulations

IP20 IP40 for optical assembly

Technical data

lm system:	4103.8	CRI:	80
W system:	51	Colour temperature [K]:	3000
lm source:	5200	MacAdam Step:	3
W source:	46	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	80.5	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

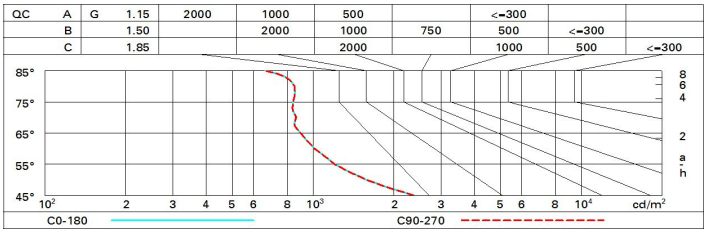
Lux

h	d	Em	Emax
2	1.8	1467	1767
4	3.6	367	442
6	5.3	163	196
8	7.1	92	110

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 5200 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	7.7	8.2	8.0	8.4	8.7	7.7	8.2	8.0	8.4	8.7
	3H	7.6	8.1	8.0	8.4	8.6	7.6	8.1	7.9	8.3	8.6
	4H	7.6	8.0	7.9	8.3	8.6	7.5	8.0	7.9	8.3	8.5
	6H	7.6	8.0	7.9	8.3	8.6	7.5	7.9	7.8	8.2	8.5
	8H	7.6	7.9	7.9	8.3	8.6	7.4	7.8	7.8	8.1	8.5
	12H	7.5	7.9	7.9	8.2	8.6	7.4	7.8	7.8	8.1	8.4
4H	2H	7.5	8.0	7.9	8.3	8.5	7.6	8.0	7.9	8.3	8.6
	3H	7.5	7.8	7.9	8.2	8.5	7.5	7.9	7.9	8.2	8.6
	4H	7.5	7.8	7.9	8.1	8.5	7.5	7.8	7.9	8.1	8.5
	6H	7.5	7.7	7.9	8.1	8.5	7.4	7.7	7.8	8.1	8.5
	8H	7.4	7.7	7.9	8.1	8.5	7.4	7.6	7.8	8.0	8.5
	12H	7.4	7.6	7.9	8.1	8.5	7.3	7.6	7.8	8.0	8.4
8H	4H	7.4	7.6	7.8	8.0	8.5	7.4	7.7	7.9	8.1	8.5
	6H	7.4	7.6	7.8	8.0	8.5	7.4	7.6	7.9	8.1	8.5
	8H	7.4	7.6	7.9	8.0	8.5	7.4	7.6	7.9	8.0	8.5
	12H	7.4	7.5	7.9	8.0	8.5	7.3	7.5	7.8	8.0	8.5
12H	4H	7.3	7.6	7.8	8.0	8.4	7.4	7.6	7.9	8.1	8.5
	6H	7.3	7.5	7.8	8.0	8.5	7.4	7.6	7.9	8.0	8.5
	8H	7.3	7.5	7.8	8.0	8.5	7.4	7.5	7.9	8.0	8.5

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