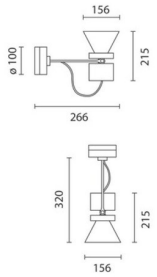
Le Perroquet

Design Piano Design **iGuzzini**

Last information update: May 2024

Product configuration: 4900+1636
4900: Projector with 50 W QR 111 dimmable electronic transformer



Product code
4900: Projector with 50 W QR 111 dimmable electronic transformer **Attention! Code no longer in production**

Technical description
Die-cast aluminium and thermoplastic projector. It can be rotated by 340° with respect to the vertical axis and inclined by +/- 100° with respect to the horizontal axis. Mechanical screw-locking devices, graduated scales and adjustable friction devices guarantee the precise positioning of the light beam. The projector is equipped with a die-cast aluminium base for ceiling or wall application. The wiring foresees the use of a dimmable electronic transformer. Various accessories are available, such as adjustable flaps, wall-washer screen, IR filter, refractor for the elliptical distribution of the light flow and coloured filters.

Installation
Wall or ceiling.

Colour
White (01) | Grey (15)

Mounting
wall surface|ceiling surface

Wiring
Complete with electromagnetic transformer for 50W halogen lamps, fitted inside the luminaire.

Notes
The luminaire becomes IP40 with the use of accessory glasses. For the photometric data of the luminaire, refer to the photometric characteristics of the light source.

Complies with EN60598-1 and pertinent regulations

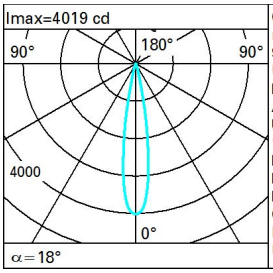
850°C IP20 IP40 for optical assembly pending

Technical data

lm system:	443	CRI (minimum):	100
W system:	55	Colour temperature [K]:	3000
lm source:	443	Lamp maximum intensity [cd]:	2400
W source:	50	Voltage [Vin]:	12
Luminous efficiency (lm/W, real value):	8.1	Lamp code:	1636
lm in emergency mode:	-	Socket:	G53
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.) [%]:	100	ZVEI Code:	QR 111
Beam angle [°]:	18°	Number of optical assemblies:	1

Polar

Imax=4019 cd



α = 18°

CIE
nL 1.00
94-98-100-100-100
UGR <10-<10
DIN
A.61
UTE
1.00A+0.00T
F"1=940
F"1+F"2=983
F"1+F"2+F"3=997
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

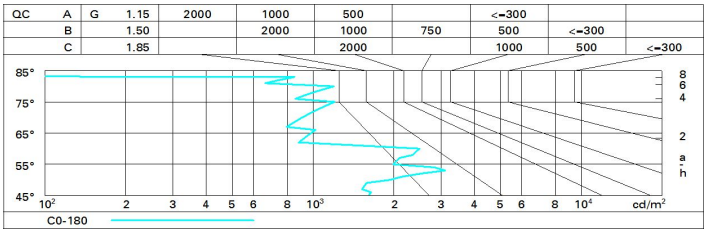
Lux

h	d	Em	Emax
2	0.6	810	1005
4	1.3	202	251
6	1.9	90	112
8	2.5	51	63

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	88	82	79	76	81	78	78	74	74
1.0	92	87	84	81	86	83	83	79	79
1.5	97	94	91	88	92	90	89	86	86
2.0	101	98	96	94	96	95	93	90	90
2.5	103	101	99	97	99	98	96	94	94
3.0	104	103	101	100	101	100	98	96	96
4.0	105	104	103	103	103	102	100	98	98
5.0	106	105	105	104	104	103	101	99	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 443 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					viewed		
x	y			crosswise					endwise		
2H	2H	7.6	9.6	7.9	9.9	10.2	7.6	9.6	7.9	9.9	10.2
	3H	8.1	9.3	8.4	9.7	10.0	7.9	9.2	8.3	9.5	9.8
	4H	8.5	9.4	8.8	9.8	10.1	8.0	8.9	8.3	9.2	9.6
	6H	8.9	9.5	9.2	9.8	10.2	8.0	8.7	8.4	9.0	9.3
	8H	8.9	9.6	9.3	10.0	10.3	8.0	8.7	8.3	9.0	9.4
	12H	8.8	9.7	9.2	10.0	10.4	7.9	8.7	8.3	9.1	9.4
4H	2H	8.0	8.9	8.3	9.2	9.6	8.5	9.4	8.8	9.8	10.1
	3H	8.6	9.4	9.0	9.7	10.1	8.9	9.7	9.3	10.1	10.5
	4H	9.0	10.0	9.4	10.4	10.8	9.0	10.0	9.4	10.4	10.8
	6H	9.2	10.9	9.7	11.3	11.8	8.8	10.5	9.3	11.0	11.5
	8H	9.2	11.0	9.7	11.5	12.0	8.8	10.6	9.3	11.1	11.6
	12H	9.1	11.0	9.6	11.5	12.0	8.7	10.6	9.3	11.1	11.6
8H	4H	8.8	10.6	9.3	11.1	11.6	9.2	11.0	9.7	11.5	12.0
	6H	9.4	11.0	9.9	11.5	12.0	9.5	11.1	10.0	11.5	12.1
	8H	9.6	10.9	10.2	11.4	11.9	9.6	10.9	10.2	11.4	11.9
	12H	9.8	10.6	10.3	11.1	11.7	9.8	10.7	10.4	11.2	11.7
12H	4H	8.7	10.6	9.3	11.1	11.6	9.1	11.0	9.6	11.5	12.0
	6H	9.5	10.8	10.0	11.3	11.8	9.5	10.8	10.1	11.3	11.8
	8H	9.8	10.7	10.4	11.2	11.7	9.8	10.6	10.3	11.1	11.7

Variations with the observer position at spacing:

S =	1.0H	1.0 / -1.0	1.0 / -1.0
	1.5H	1.3 / -1.5	1.3 / -1.5
	2.0H	2.7 / -2.2	2.7 / -2.2