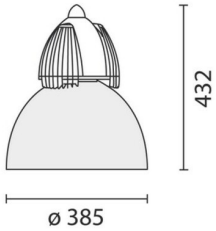
Berlino

Design Piano Design **iGuzzini**

Last information update: September 2020

Product configuration: 4300+L275
4300: Model with aluminium reflector and inductive wiring 150 W A65 / 250 W QT32



Product code
4300: Model with aluminium reflector and inductive wiring 150 W A65 / 250 W QT32 **Attention! Code no longer in production**

Technical description
Internal lighting fixture designed for use with 250W QT32 / 150W A65 halogen lamp. Control gear box in die-cast aluminium made up of box and covering flange, complete with cooling fins and fixed with no. 2 steel suspension cables for easy maintenance. Aluminium element supporting the lampholder fixed to the flange by means of no. 3 M4 screws. 99.85% superpure aluminium reflector fixed to the flange with hexagonal screws on silicone seal. Metal suspension element. PG11 nickel-plated brass cable-clamp located near the suspension element to guarantee IP65 protection.

Installation
Fixed to the ceiling by means of a base with fischer screws and steel suspension cable with fast-coupling system. The kit for ceiling installation is supplied as an accessory together with the two versions of power supply cable in colour 04 (spiral code 4449 or straight cable code 4447).

Colour
Grey / Aluminium (78)

Mounting
ceiling pendant

Wiring
230 Volts mains power supply by means of terminal block contained in the ceiling attachment.

Notes
The following accessories are available: safety screen complete with silicone seal for IP 65 (code 4442), safety grill comprising concentric rings (code 4444).

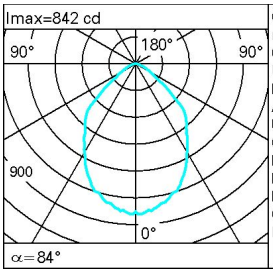
Complies with EN60598-1 and pertinent regulations

960°C IP43 pending

Technical data

lm system:	1418.2	CRI:	100
W system:	105	Colour temperature [K]:	2800
lm source:	1900	Ballast losses [W]:	0
W source:	105	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	13.5	Lamp code:	L275
lm in emergency mode:	-	Socket:	E27
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.) [%]:	75	ZVEI Code:	HALO ES
Beam angle [°]:	84°	Number of optical assemblies:	1

Polar



CIE
nL 0.75
67-93-99-100-75
UGR 15.7-15.6
DIN
A.51
UTE
0.75C+0.00T
F"1=668
F"1+F"2=934
F"1+F"2+F"3=991
CIBSE
LG3 L<1500 cd/m² at 65°

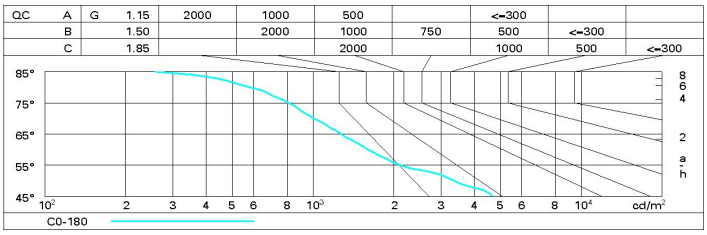
Lux

h	d	Em	Emax
1	1.8	542	840
2	3.6	136	210
3	5.4	60	93
4	7.2	34	53

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	56	49	45	42	49	45	44	40	54
1.0	61	55	51	47	54	50	50	46	61
1.5	67	63	59	56	62	58	58	54	72
2.0	71	67	65	62	66	64	63	60	80
2.5	73	70	68	66	69	67	66	63	84
3.0	74	72	70	68	71	69	68	65	87
4.0	76	74	73	71	73	71	70	67	90
5.0	77	75	74	73	74	73	71	69	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 1900 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	15.0	15.9	15.3	16.1	16.4	15.0	15.9	15.3	16.1	16.4
	3H	15.2	16.1	15.6	16.3	16.6	15.1	15.9	15.4	16.1	16.4
	4H	15.3	16.1	15.7	16.4	16.7	15.1	15.8	15.4	16.1	16.4
	6H	15.3	16.0	15.7	16.4	16.7	15.0	15.7	15.4	16.0	16.4
	8H	15.3	16.0	15.7	16.3	16.7	15.0	15.6	15.4	16.0	16.3
	12H	15.3	15.9	15.7	16.3	16.6	15.0	15.6	15.3	15.9	16.3
4H	2H	15.1	15.8	15.4	16.1	16.4	15.3	16.1	15.7	16.4	16.7
	3H	15.5	16.1	15.8	16.4	16.8	15.5	16.2	15.9	16.5	16.9
	4H	15.6	16.1	16.0	16.5	16.9	15.6	16.1	16.0	16.5	16.9
	6H	15.7	16.1	16.1	16.5	17.0	15.6	16.1	16.0	16.5	16.9
	8H	15.7	16.1	16.1	16.5	17.0	15.6	16.0	16.0	16.4	16.9
	12H	15.6	16.0	16.1	16.5	16.9	15.5	15.9	16.0	16.4	16.8
8H	4H	15.6	16.0	16.0	16.4	16.9	15.7	16.1	16.1	16.5	17.0
	6H	15.7	16.1	16.2	16.5	17.0	15.7	16.1	16.2	16.5	17.0
	8H	15.7	16.0	16.2	16.5	17.0	15.7	16.0	16.2	16.5	17.0
	12H	15.7	16.0	16.2	16.4	17.0	15.7	16.0	16.2	16.4	17.0
12H	4H	15.5	15.9	16.0	16.4	16.8	15.6	16.0	16.1	16.5	16.9
	6H	15.7	16.0	16.1	16.4	16.9	15.7	16.0	16.2	16.5	17.0
	8H	15.7	16.0	16.2	16.4	17.0	15.7	16.0	16.2	16.4	17.0

Variations with the observer position at spacing:

S =	1.0H	1.1 / -1.4	1.1 / -1.4
	1.5H	1.7 / -2.5	1.7 / -2.5
	2.0H	3.2 / -3.3	3.2 / -3.3