Berlino

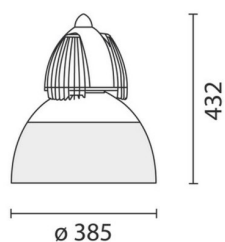| Design Piano Design	iGuzzini

Last information update: September 2020

Product configuration: 4332+1727

4332: Direct/indirect light model with inductive wiring 150 W A65, 150 W QT32, 250 W QT32

Product code

4332: Direct/indirect light model with inductive wiring 150 W A65, 150 W QT32, 250 W QT32 **Attention! Code no longer in production**

Technical description

Internal lighting fixture designed for use with 150W and 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. Glass and aluminium reflector fixed to the flange with M5 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

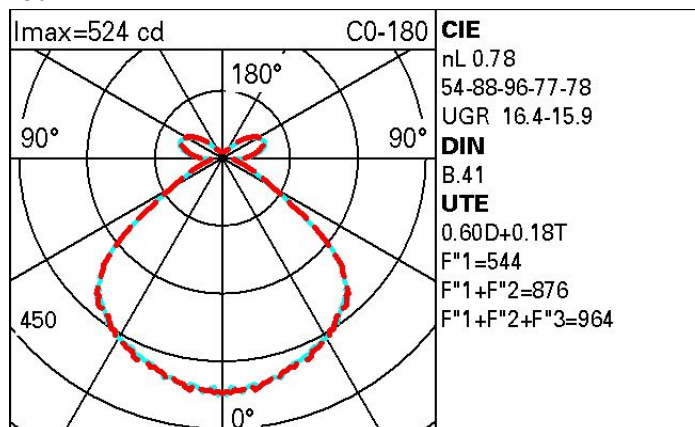230 Volts mains power supply by means of terminal block contained in the ceiling attachment.

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

Technical data

lm system:	1739.4	Colour temperature [K]:	2800
W system:	150	Ballast losses [W]:	0
lm source:	2220	Voltage [Vin]:	230
W source:	150	Lamp code:	1727
Luminous efficiency (lm/W, real value):	11.6	Socket:	E27
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	410.5	ZVEI Code:	A 65
Light Output Ratio (L.O.R.) [%]:	78	Number of optical assemblies:	1
CRI:	100		

Polar

Imax=524 cd   C0-180

CIE
nL 0.78
54-88-96-77-78
UGR 16.4-15.9
DIN
B.41
UTE
0.60D+0.18T
F"1=544
F"1+F"2=876
F"1+F"2+F"3=964

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	42	37	33	39	35	33	27	44
1.0	54	48	43	39	44	40	38	31	52
1.5	62	56	52	49	53	49	46	39	65
2.0	66	62	58	55	57	54	51	44	73
2.5	68	65	62	59	60	58	54	47	78
3.0	70	67	64	62	62	60	56	49	81
4.0	72	69	67	65	65	63	59	51	85
5.0	73	71	69	67	66	64	60	53	88

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 —————— C90-270 - - - - - - - - - - -
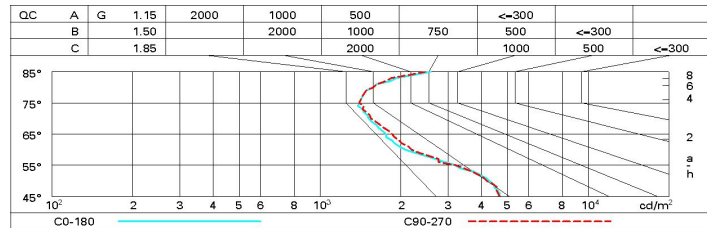
UGR diagram

Corrected UGR values (at 2220 lm bare lamp luminous flux)

Reflect.:											
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	14.8	15.6	15.4	16.2	16.9	14.8	15.6	15.5	16.3	17.0
	3H	15.2	15.9	15.9	16.8	17.4	15.0	15.7	15.7	16.3	17.1
	4H	15.4	16.1	16.1	16.7	17.5	15.0	15.6	15.7	16.3	17.1
	6H	15.6	16.2	16.3	16.9	17.7	14.9	15.5	15.6	16.2	17.0
	8H	15.8	16.3	16.5	17.0	17.8	14.9	15.5	15.6	16.2	17.0
	12H	16.0	16.5	16.7	17.2	18.0	14.9	15.4	15.6	16.1	16.9
4H	2H	14.9	15.6	15.6	16.3	17.0	15.5	16.1	16.2	16.8	17.6
	3H	15.5	16.1	16.2	16.8	17.6	15.8	16.3	16.5	17.0	17.9
	4H	15.8	16.3	16.5	17.0	17.9	15.9	16.4	16.6	17.1	17.9
	6H	16.1	16.6	16.9	17.3	18.2	15.9	16.3	16.7	17.1	18.0
	8H	16.4	16.7	17.1	17.5	18.4	15.9	16.3	16.7	17.1	18.0
	12H	16.7	17.0	17.4	17.8	18.7	15.9	16.3	16.7	17.0	17.9
8H	4H	15.9	16.2	16.6	17.0	17.9	16.4	16.8	17.2	17.5	18.4
	6H	16.3	16.7	17.1	17.5	18.4	16.6	16.9	17.4	17.7	18.6
	8H	16.7	17.0	17.5	17.8	18.7	16.7	17.0	17.5	17.8	18.7
	12H	17.2	17.4	18.0	18.2	19.2	16.8	17.1	17.6	17.9	18.8
12H	4H	15.8	16.2	16.6	17.0	17.9	16.7	17.0	17.5	17.8	18.7
	6H	16.4	16.7	17.2	17.5	18.4	17.0	17.3	17.8	18.1	19.0
	8H	16.8	17.0	17.6	17.8	18.8	17.2	17.4	18.0	18.2	19.2

Variations with the observer position at spacing:

S =	1.0H	0.3 / -0.4	0.3 / -0.3
	1.5H	0.8 / -1.2	0.8 / -1.1
	2.0H	1.6 / -1.5	1.6 / -1.5