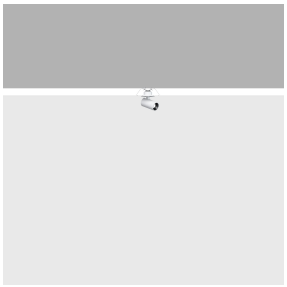
Palco Recessed / Surface

Design Artec Studio **iGuzzini**

Last information update: October 2024

Product configuration: QX16
QX16: Palco single recess Ø37 - spot - remote driver

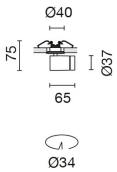


Product code
QX16: Palco single recess Ø37 - spot - remote driver

Technical description
Miniaturised adjustable spotlight for recessed installation. Spotlight body with a die-cast aluminium dissipation system - cast zamak rotation unit - machined aluminium recess base - steel wire fixing springs. The swivel joints allow the spotlight to be rotated by 360° and tilted by 90°. The set back position of the optic unit guarantees a high level of visual comfort with a thermoplastic high definition lens. Ballast not included, available with separate code.

Installation
Recessed base with surface stop plate - steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole Ø36 mm.

Colour	**Weight (Kg)**
White (01) | Black (04)	0.12



Mounting
wall recessed|ceiling recessed

Wiring
Output cables for connecting to power supply line.

Notes
Technical and anti-glare accessories available.

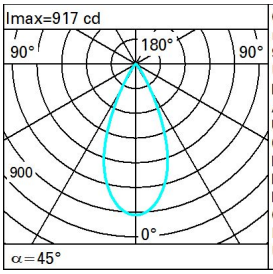
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	504	CRI (minimum):	90
W system:	8.1	Colour temperature [K]:	4000
lm source:	840	MacAdam Step:	2
W source:	8.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	62.2	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	60	Number of optical assemblies:	1
Beam angle [°]:	45°	LED current [mA]:	650

Polar



CIE
nL 0.60
97-100-100-100-60
UGR 18.5-18.5
DIN
A.61
UTE
0.60A+0.00T
F"1=975
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<19 I L<1500 cd/mq @65°

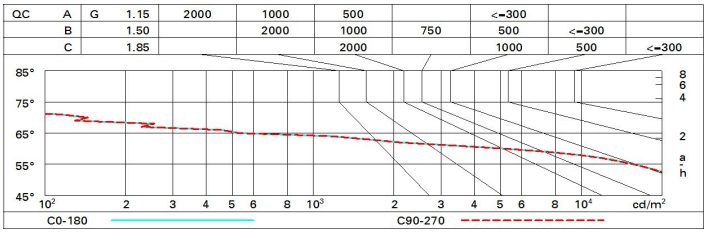
Lux

h	d	Em	Emax
1	0.8	716	917
2	1.7	179	229
3	2.5	80	102
4	3.3	45	57

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	51	49	47	50	48	48	46	77
1.0	56	53	51	50	53	51	51	49	81
1.5	59	57	55	54	56	55	54	53	88
2.0	61	59	58	57	59	58	57	55	92
2.5	62	61	60	59	60	59	59	57	95
3.0	63	62	61	61	61	61	60	58	97
4.0	64	63	63	62	62	62	61	59	99
5.0	64	64	63	63	63	62	61	60	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 840 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	19.0	19.7	19.3	19.9	20.1	19.0	19.7	19.3	19.9	20.1
	3H	18.9	19.5	19.2	19.7	20.0	18.9	19.5	19.2	19.7	20.0
	4H	18.8	19.3	19.1	19.6	19.9	18.8	19.4	19.2	19.7	20.0
	6H	18.7	19.2	19.1	19.5	19.9	18.8	19.2	19.1	19.6	19.9
	8H	18.7	19.2	19.1	19.5	19.8	18.7	19.2	19.1	19.5	19.9
	12H	18.7	19.1	19.0	19.5	19.8	18.7	19.1	19.1	19.5	19.8
4H	2H	18.8	19.4	19.2	19.7	20.0	18.8	19.3	19.1	19.6	19.9
	3H	18.7	19.1	19.1	19.5	19.8	18.7	19.1	19.1	19.5	19.8
	4H	18.6	19.0	19.0	19.4	19.7	18.6	19.0	19.0	19.4	19.7
	6H	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.7
	8H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6
	12H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.6
8H	4H	18.5	18.8	18.9	19.2	19.6	18.5	18.8	18.9	19.2	19.6
	6H	18.4	18.6	18.8	19.1	19.5	18.4	18.6	18.8	19.1	19.5
	8H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5
	12H	18.3	18.5	18.8	18.9	19.5	18.3	18.5	18.8	18.9	19.5
12H	4H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.6
	6H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5
	8H	18.3	18.5	18.8	18.9	19.5	18.3	18.5	18.8	18.9	19.5

Variations with the observer position at spacing:

S =			
	1.0H	5.2 / -8.8	5.2 / -8.8
	1.5H	8.0 / -22.1	8.0 / -22.1
	2.0H	10.0 / -34.7	10.0 / -34.7