

## Palco Recessed / Surface

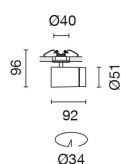
Design Artec  
Studio

iGuzzini

Last information update: April 2024

### Product configuration: QC29

QC29: Palco single recess Ø51 - flood - remote driver



### Product code

QC29: Palco single recess Ø51 - flood - 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

White (01) | Black (04)

### Weight (Kg)

0.3

### 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

Im system:	814	CRI (minimum):	90
W system:	15	Colour temperature [K]:	2700
Im source:	1380	MacAdam Step:	2
W source:	15	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	54.3	Lamp code:	LED
Im 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.) [%]:	59	Number of optical assemblies:	1
Beam angle [°]:	40° / 41°	LED current [mA]:	400

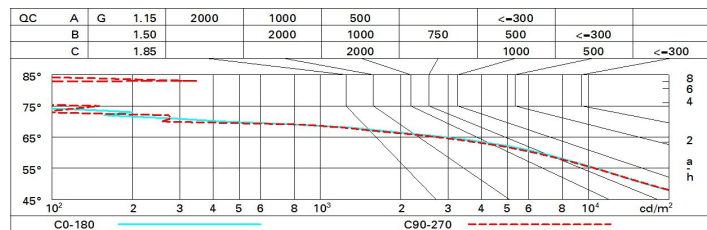
### Polar

<p>Imax=1661 cd 90° 180° 90° 1500 0° α = 40°</p>	C0-180		CIE		Lux				
			nL 0.59		h	d1	d2	Em	Emax
			97-100-100-100-59		1	0.7	0.7	1269	1661
			UGR 17.2-17.4		2	1.5	1.5	317	415
			DIN		3	2.2	2.2	141	185
			A.61		4	2.9	2.9	79	104
			UTE						
			0.59A+0.00T						
			F*1=969						
			F*1+F*2=998						
		F*1+F*2+F*3=1000							
		CIBSE							
		LG3 L<3000 cd/m² at 65°							
		UGR<19   L<3000 cd/mq @65°							

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	53	50	48	46	49	47	47	45	76
1.0	55	52	50	49	52	50	50	48	81
1.5	58	56	54	53	55	54	53	52	87
2.0	60	58	57	56	58	57	56	54	92
2.5	61	60	59	58	59	58	58	56	95
3.0	62	61	60	60	60	59	59	57	97
4.0	62	62	62	61	61	61	60	58	99
5.0	63	62	62	62	61	61	60	59	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1380 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	17.8	18.4	18.1	18.6	18.9	17.9	18.6	18.2	18.8	19.1
	3H	17.7	18.2	18.0	18.5	18.8	17.8	18.4	18.2	18.7	19.0
	4H	17.6	18.1	17.9	18.4	18.7	17.8	18.3	18.1	18.6	18.9
	6H	17.5	18.0	17.9	18.3	18.6	17.7	18.2	18.0	18.5	18.8
	8H	17.5	17.9	17.8	18.3	18.6	17.7	18.1	18.0	18.4	18.8
	12H	17.4	17.9	17.8	18.2	18.6	17.6	18.1	18.0	18.4	18.8
4H	2H	17.6	18.1	17.9	18.4	18.7	17.7	18.3	18.1	18.6	18.9
	3H	17.5	17.9	17.8	18.2	18.6	17.6	18.1	18.0	18.4	18.8
	4H	17.4	17.8	17.8	18.1	18.5	17.5	17.9	17.9	18.3	18.7
	6H	17.3	17.6	17.7	18.0	18.4	17.4	17.8	17.9	18.2	18.6
	8H	17.2	17.6	17.7	18.0	18.4	17.4	17.7	17.8	18.1	18.6
	12H	17.2	17.5	17.6	17.9	18.4	17.3	17.6	17.8	18.1	18.5
8H	4H	17.2	17.6	17.7	18.0	18.4	17.4	17.7	17.8	18.1	18.6
	6H	17.1	17.4	17.6	17.8	18.3	17.3	17.6	17.8	18.0	18.5
	8H	17.1	17.3	17.6	17.8	18.3	17.3	17.5	17.7	17.9	18.4
	12H	17.0	17.2	17.5	17.7	18.2	17.2	17.4	17.7	17.9	18.4
12H	4H	17.2	17.5	17.6	17.9	18.4	17.3	17.6	17.8	18.1	18.5
	6H	17.1	17.3	17.6	17.8	18.3	17.3	17.5	17.7	17.9	18.4
	8H	17.0	17.2	17.5	17.7	18.2	17.2	17.4	17.7	17.9	18.4
Variations with the observer position at spacing:											
S =	1.0H	4.9 / -7.9					4.9 / -8.1				
	1.5H	7.7 / -11.8					7.6 / -12.3				
	2.0H	9.7 / -20.3					9.6 / -20.5				