

Palco Recessed / Surface

Last information update: October 2024

**Product configuration: QC19**  
QC19: Palco single recess Ø37 - flood - remote driver



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**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.

<b>Colour</b>	<b>Weight (Kg)</b>
White (01)   Black (04)	0.12

**Mounting**  
wall recessed|ceiling recessed

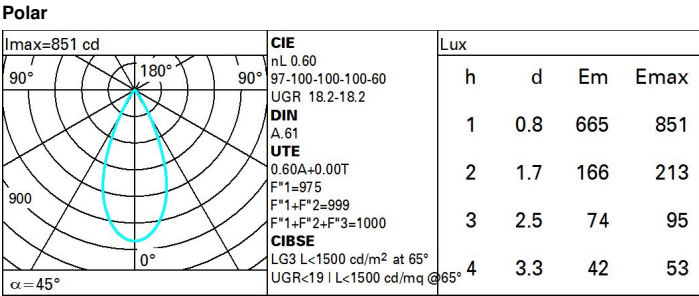
**Wiring**  
Output cables for connecting to power supply line.

**Notes**  
Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations



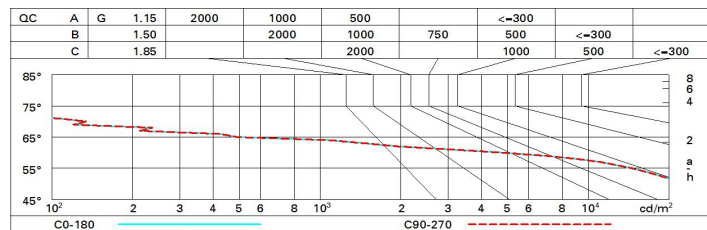
Technical data			
Im system:	468	CRI (minimum):	90
W system:	8.1	Colour temperature [K]:	3000
Im source:	780	MacAdam Step:	2
W source:	8.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	57.8	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	60	Number of optical assemblies:	1
Beam angle [°]:	45°	LED current [mA]:	650



# 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 780 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	18.8	19.4	19.1	19.6	19.9	18.8	19.4	19.1	19.6	19.9
	3H	18.6	19.2	18.9	19.5	19.8	18.7	19.2	19.0	19.5	19.8
	4H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	6H	18.5	19.0	18.8	19.3	19.6	18.5	19.0	18.8	19.3	19.6
	8H	18.4	18.9	18.8	19.2	19.6	18.5	18.9	18.8	19.3	19.6
	12H	18.4	18.9	18.8	19.2	19.5	18.4	18.9	18.8	19.2	19.6
4H	2H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	3H	18.4	18.9	18.8	19.2	19.6	18.4	18.9	18.8	19.2	19.6
	4H	18.3	18.7	18.7	19.1	19.5	18.3	18.7	18.7	19.1	19.5
	6H	18.2	18.6	18.7	19.0	19.4	18.2	18.6	18.7	19.0	19.4
	8H	18.2	18.5	18.6	18.9	19.4	18.2	18.5	18.6	18.9	19.4
	12H	18.2	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.3
8H	4H	18.2	18.5	18.6	18.9	19.4	18.2	18.5	18.6	18.9	19.4
	6H	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.8	19.3
	8H	18.1	18.3	18.5	18.7	19.2	18.1	18.3	18.5	18.7	19.2
	12H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
12H	4H	18.2	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.3
	6H	18.1	18.3	18.5	18.7	19.2	18.1	18.3	18.5	18.7	19.2
	8H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
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				