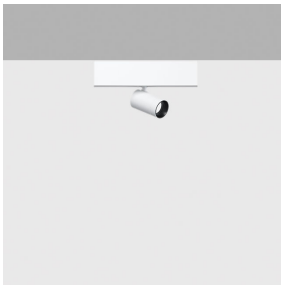


Last information update: June 2018



**Palco single surface Ø37 - flood - integrated driver**

**Product code**  
QC56

**Technical description**

Miniaturised adjustable spotlight for surface installation. Spotlight bodies with a die-cast aluminium dissipation system - cast zamak rotation unit - shaped steel fixing plate - extruded aluminium surface cover module with mechanical coupling system - thermoplastic side end caps. 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 located inside cover module.

**Installation**

Installation surface plate fastening - structure attached using a mechanical locking mechanism - insertion of side end caps.

**Dimension (mm)**  
Ø37

**Colour**  
White (01) | Black (04)

**Weight (Kg)**  
0.52

**Mounting**  
wall surface|ceiling surface

**Wiring**  
Quick-coupling connection on integrated driver terminals.

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

Complies with EN60598-1 and pertinent regulations



IP20



**Product configuration: QC56**

**Product characteristics**

Total lighting output [Lm]: 364  
Total power [W]: 10.3  
Luminous efficacy [Lm/W]: 35.3  
Life Time: 50,000h - L80 - B10 (Ta 25°C)

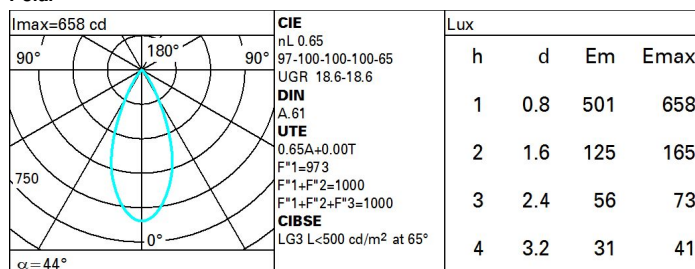
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 65  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 7.2  
Nominal luminous [Lm]: 560  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 44°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 3.1  
Colour temperature [K]: 3000  
CRI: 90  
Wavelength [Nm]: /  
MacAdam Step: 3

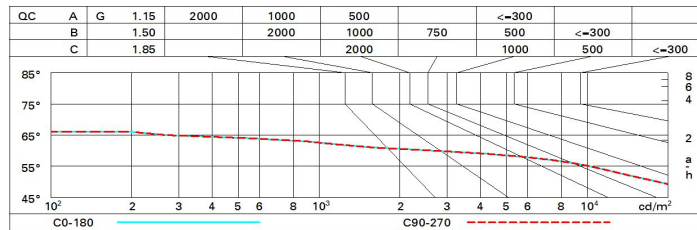
**Polar**



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	51	54	52	52	50	76
1.0	61	58	56	54	57	55	55	53	81
1.5	64	62	60	59	61	59	59	57	88
2.0	66	64	63	62	63	62	62	60	92
2.5	67	66	65	64	65	64	64	62	95
3.0	68	67	67	66	66	66	65	63	97
4.0	69	68	68	67	67	67	66	64	99
5.0	69	69	68	68	68	67	66	65	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 500 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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											
x	y										
2H	2H	19.2	19.8	19.5	20.1	20.3	19.2	19.8	19.5	20.1	20.3
	3H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	4H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	6H	18.9	19.4	19.3	19.7	20.0	18.9	19.4	19.3	19.7	20.0
	8H	18.9	19.3	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0
12H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0	
4H	2H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	3H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
	4H	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9
	6H	18.7	19.0	19.1	19.4	19.8	18.7	19.0	19.1	19.4	19.8
	8H	18.6	18.9	19.1	19.4	19.8	18.6	18.9	19.1	19.4	19.8
12H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7	
8H	4H	18.6	18.9	19.1	19.4	19.8	18.6	18.9	19.1	19.4	19.8
	6H	18.5	18.8	19.0	19.2	19.7	18.5	18.8	19.0	19.2	19.7
	8H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	12H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
12H	4H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
	6H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	8H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
Variations with the observer position at spacing:											
S =	1.0H	5.2 / -10.8					5.2 / -10.8				
	1.5H	7.9 / -25.4					7.9 / -25.4				
	2.0H	9.5 / -35.8					9.5 / -35.8				