

## Palco Recessed / Surface

Design Artec  
Studio

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### Product configuration: QC59

QC59: Palco linear surface 2 x Ø37 - flood - integrated driver

### Product code

QC59: Palco linear surface 2 x Ø37 - flood - integrated driver **Attention! Code no longer in production**

### Technical description

Linear luminaire for surface installation with 2 miniaturised adjustable spotlights. Spotlight bodies with a die-cast aluminium dissipation system - cast zamak rotation units - 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 units guarantees a high level of visual comfort with thermoplastic high definition lenses. Ballast located inside cover module.

### Installation

Installation surface plate fastening - structure attached using a mechanical locking mechanism - insertion of side end caps. This specific locking system can be installed next to linear versions so as to create a continuous external line.

### Colour

White (01) | Black (04)

### Weight (Kg)

0.75

### 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



### Technical data

lm system:	912	CRI (minimum):	90
W system:	20.4	Colour temperature [K]:	2700
lm source:	760	MacAdam Step:	2
W source:	8.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	44.7	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:	2
Beam angle [°]:	46° / 45°		

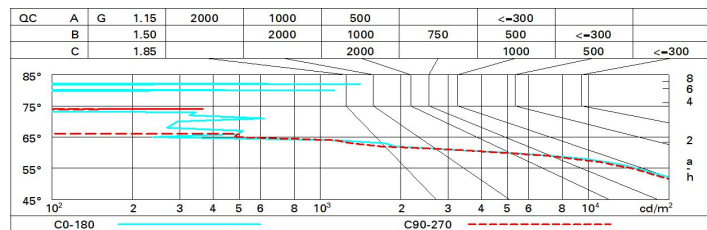
### Polar

<p>imax=829 cd</p> <p>C0-180</p> <p>90°</p> <p>180°</p> <p>90°</p> <p>900</p> <p>0°</p> <p>α = 46°</p>	<b>CIE</b> nL 0.60 97-100-100-100-60 UGR 18.1-18.4 <b>DIN</b> A.61 <b>UTE</b> 0.60A+0.00T F*1=975 F*1+F*2=999 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<19   L<1500 cd/mq @65°	<b>Lux</b>																									
		<table><tr><th>h</th><th>d1</th><th>d2</th><th>Em</th><th>Emax</th></tr><tr><td>1</td><td>0.8</td><td>0.8</td><td>635</td><td>829</td></tr><tr><td>2</td><td>1.7</td><td>1.7</td><td>159</td><td>207</td></tr><tr><td>3</td><td>2.5</td><td>2.5</td><td>71</td><td>92</td></tr><tr><td>4</td><td>3.4</td><td>3.4</td><td>40</td><td>52</td></tr></table>	h	d1	d2	Em	Emax	1	0.8	0.8	635	829	2	1.7	1.7	159	207	3	2.5	2.5	71	92	4	3.4	3.4	40	52
	h	d1	d2	Em	Emax																						
	1	0.8	0.8	635	829																						
	2	1.7	1.7	159	207																						
3	2.5	2.5	71	92																							
4	3.4	3.4	40	52																							

# 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 700 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
	3H	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
	4H	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	6H										
	8H										
	12H										
4H	2H	18.7	19.3	18.9	19.5	19.8	19.0	19.6	19.3	19.9	20.1
	3H	18.5	19.1	18.8	19.4	19.6	18.9	19.4	19.2	19.7	20.0
	4H	18.4	19.0	18.8	19.3	19.6	18.8	19.3	19.1	19.6	19.9
	6H	18.4	18.9	18.7	19.2	19.5	18.7	19.2	19.1	19.5	19.8
	8H	18.3	18.8	18.7	19.1	19.5	18.7	19.1	19.0	19.5	19.8
	12H	18.3	18.7	18.7	19.1	19.4	18.6	19.1	19.0	19.4	19.8
8H	2H	18.5	19.0	18.8	19.3	19.6	18.8	19.3	19.1	19.6	19.9
	3H	18.3	18.8	18.7	19.1	19.4	18.6	19.1	19.0	19.4	19.8
	4H	18.2	18.6	18.6	19.0	19.4	18.5	18.9	18.9	19.3	19.7
	6H	18.1	18.5	18.6	18.9	19.3	18.5	18.8	18.9	19.2	19.6
	8H	18.1	18.4	18.5	18.8	19.3	18.4	18.7	18.9	19.1	19.6
	12H	18.0	18.3	18.5	18.8	19.2	18.4	18.6	18.8	19.1	19.5
12H	4H	18.1	18.4	18.5	18.8	19.3	18.4	18.7	18.9	19.1	19.6
	6H	18.0	18.3	18.5	18.7	19.2	18.3	18.6	18.8	19.0	19.5
	8H	17.9	18.2	18.4	18.6	19.1	18.3	18.5	18.8	19.0	19.5
	12H	17.9	18.1	18.4	18.6	19.1	18.2	18.4	18.7	18.9	19.4
Variations with the observer position at spacing:											
S =	1.0H	5.3 / -8.4					5.5 / -9.2				
	1.5H	8.0 / -21.9					8.3 / -22.1				
	2.0H	10.0 / -38.6					10.3 / -39.3				