

## Palco Recessed / Surface

Design Artec  
Studio

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### Product configuration: QC53

QC53: Palco linear surface 2 x Ø51 - flood - remote driver

### Product code

QC53: Palco linear surface 2 x Ø51 - flood - remote driver

### 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 linear surface structure with mechanical coupling system - thermoplastic side end caps. The spotlight 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 not included, available with separate code.

### 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)

0.67

### Mounting

wall surface/ceiling surface

### 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:	1628	CRI (minimum):	90
W system:	30	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:	2
Beam angle [°]:	40° / 41°	LED current [mA]:	400

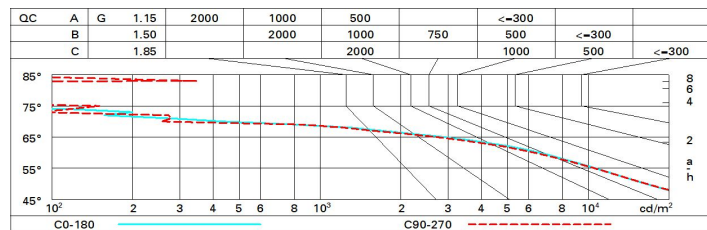
### Polar

		Lux				
h	d1	d2	Em	Emax		
1	0.7	0.7	1269	1661		
2	1.5	1.5	317	415		
3	2.2	2.2	141	185		
4	2.9	2.9	79	104		

# 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				