

## Palco Recessed / Surface

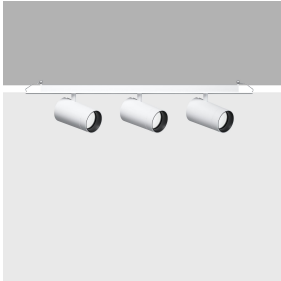
Design Artec  
Studio

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### Product configuration: QC33

QC33: Palco linear recess 3 x Ø51 - flood - remote driver



### Product code

QC33: Palco linear recess 3 x Ø51 - flood - remote driver

### Technical description

Linear luminaire for recessed installation with 3 miniaturised adjustable spotlights. Spotlight bodies with a die-cast aluminium dissipation system - cast zamak rotation units - a linear recess structure consisting of an extruded aluminium internal profile, painted steel caps and stop plate - steel wire fixing springs. 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

Recessed linear base with surface stop plate - steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 00 x 000 mm. Option of installing next to linear versions so as to create a continuous line.

### Colour

White (01) | Black (04)

### Weight (Kg)

1.1

### Mounting

wall recessed|ceiling recessed

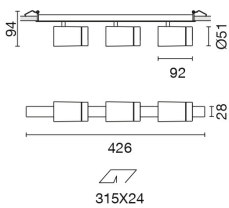
### Wiring

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:	2443	CRI (minimum):	90
W system:	45	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:	3
Beam angle [°]:	40° / 41°	LED current [mA]:	400

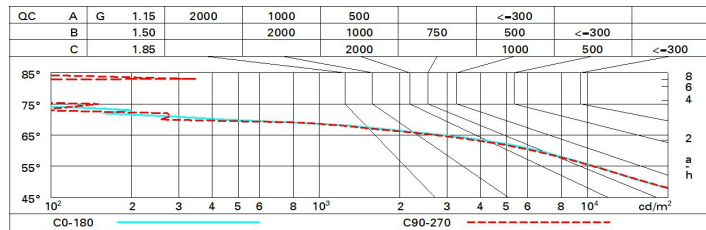
### Polar

Imax=1661 cd		C0-180		CIE		Lux			
90°	180°	90°	0°	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
				<b>DIN</b>	3	2.2	2.2	141	185
				A.61	4	2.9	2.9	79	104
				<b>UTE</b>					
				0.59A+0.00T					
				F*1=969					
				F*1+F*2=998					
				F*1+F*2+F*3=1000					
				<b>CIBSE</b>					
				LG3 L<3000 cd/m² at 65°					
				UGR<19   L<3000 cd/mq @65°					
α=40°									

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.:		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		viewed crosswise					viewed endwise				
x	y										
2H	2H	17.8	18.4	18.1	18.0	18.9	17.9	18.0	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				