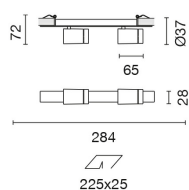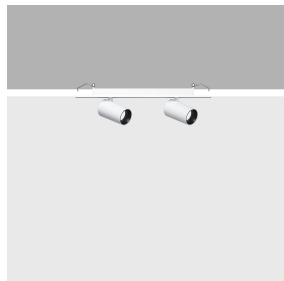## Palco Recessed / Surface

| **Design Artec Studio** | **iGuzzini** |

Last information update: April 2024

Product configuration: QC23
QC23: Palco linear recess 2 x Ø37 - flood - remote driver

Product code
QC23: Palco linear recess 2 x Ø37 - flood - remote driver

Technical description
Linear luminaire for recessed installation with 2 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	**Weight (Kg)**
White (01)	Black (04)	0.35

Mounting
wall recessed|ceiling recessed

Wiring
Output cables for connecting to power supply line.

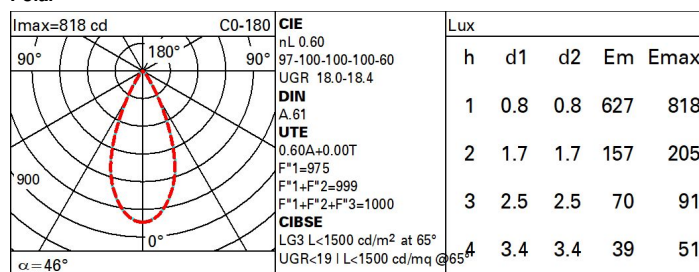**Notes**
Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations

III IP20 CE ⟪03 S EHC NOM-3

Technical data

lm system:	900	CRI (minimum):	90
W system:	16.2	Colour temperature [K]:	2700
lm source:	750	MacAdam Step:	2
W source:	8.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	55.6	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°	LED current [mA]:	650

Polar

Imax=818 cd   C0-180

CIE		Lux				
nL 0.60		**h**	**d1**	**d2**	**Em**	**Emax**
97-100-100-100-60						
UGR 18.0-18.4		1	0.8	0.8	627	818
DIN A.61						
UTE 0.60A+0.00T		2	1.7	1.7	157	205
F"1=975						
F"1+F"2=999						
F"1+F"2+F"3=1000		3	2.5	2.5	70	91
CIBSE						
LG3 L<1500 cd/m² at 65°		4	3.4	3.4	39	51
UGR<19 I L<1500 cd/mq @65°						

α=46°

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

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180   C90-270
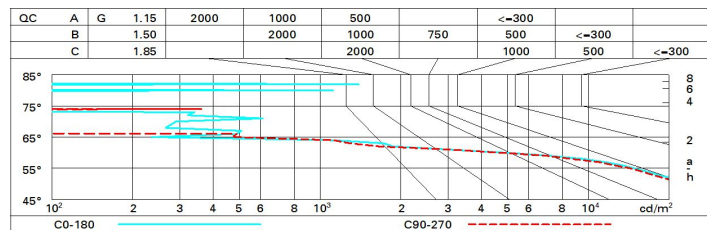
UGR diagram

Corrected UGR values (at 750 lm bare lamp luminous flux)

Riflect.:											
ceil/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					viewed			
x	y		crosswise					endwise			
2H	2H	18.6	19.2	18.9	19.5	19.7	18.9	19.6	19.2	19.8	20.0
	3H	18.5	19.0	18.8	19.3	19.6	18.8	19.4	19.1	19.7	19.9
	4H	18.4	18.9	18.7	19.2	19.5	18.7	19.3	19.1	19.6	19.9
	6H	18.3	18.8	18.7	19.1	19.5	18.7	19.2	19.0	19.5	19.8
	8H	18.3	18.8	18.7	19.1	19.4	18.6	19.1	19.0	19.4	19.8
	12H	18.2	18.7	18.6	19.0	19.4	18.6	19.0	19.0	19.4	19.7
4H	2H	18.4	18.9	18.7	19.2	19.5	18.7	19.3	19.1	19.5	19.8
	3H	18.3	18.7	18.6	19.0	19.4	18.6	19.0	19.0	19.4	19.7
	4H	18.2	18.6	18.6	18.9	19.3	18.5	18.9	18.9	19.3	19.6
	6H	18.1	18.4	18.5	18.8	19.2	18.4	18.8	18.8	19.2	19.6
	8H	18.0	18.4	18.5	18.8	19.2	18.4	18.7	18.8	19.1	19.5
	12H	18.0	18.3	18.4	18.7	19.2	18.3	18.6	18.8	19.0	19.5
8H	4H	18.0	18.4	18.5	18.8	19.2	18.4	18.7	18.8	19.1	19.5
	6H	17.9	18.2	18.4	18.7	19.1	18.3	18.5	18.7	19.0	19.5
	8H	17.9	18.1	18.4	18.6	19.1	18.2	18.4	18.7	18.9	19.4
	12H	17.8	18.0	18.3	18.5	19.0	18.2	18.4	18.7	18.8	19.4
12H	4H	18.0	18.3	18.4	18.7	19.2	18.3	18.6	18.8	19.0	19.5
	6H	17.9	18.1	18.4	18.6	19.1	18.2	18.4	18.7	18.9	19.4
	8H	17.8	18.0	18.3	18.5	19.0	18.2	18.4	18.7	18.8	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 / -36.3