Palco Recessed / Surface

Design Artec Studio **iGuzzini**

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Product configuration: QX31
QX31: Palco single surface Ø51 - spot - remote driver

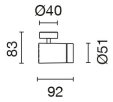
Product code
QX31: Palco single surface Ø51 - spot - remote driver

Technical description
Miniaturised adjustable spotlight for surface installation. Spotlight body with a die-cast aluminium dissipation system - cast zamak rotation unit - shaped steel fixing plate - thermoplastic surface cover base with stainless steel locking mechanism. 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 not included, available with separate code.

Installation
Installation surface plate fastening - spotlight unit attached to cover base with a locking mechanism.

Colour	**Weight (Kg)**
White (01) | Black (04)	0.29

Mounting
wall surface|ceiling surface



Wiring
Output cables for connecting to power supply line.

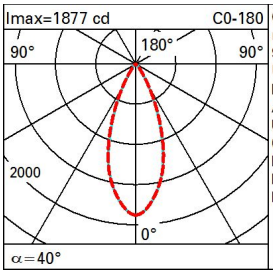
Notes
Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	920	CRI (minimum):	90
W system:	15	Colour temperature [K]:	4000
lm source:	1560	MacAdam Step:	2
W source:	15	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	61.4	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.) [%]:	59	Number of optical assemblies:	1
Beam angle [°]:	40° / 41°	LED current [mA]:	400

Polar



CIE
nL 0.59
97-100-100-100-59
UGR 17.7-17.8
DIN
A.61
UTE
0.59A+0.00T
F"1=969
F"1+F"2=998
F"1+F"2+F"3=1000

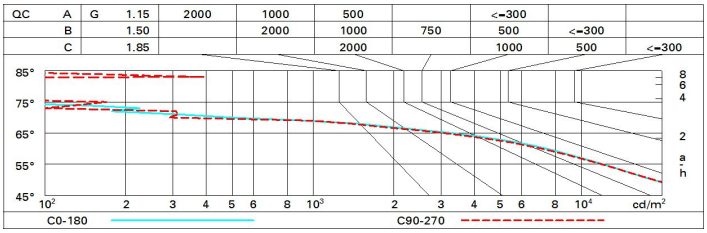
Lux

h	d1	d2	Em	Emax
2	1.4	1.5	359	469
4	2.9	2.9	90	117
6	4.3	4.4	40	52
8	5.8	5.8	22	29

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 1560 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 crosswise					viewed endwise		
x	y										
2H	2H	18.2	18.8	18.5	19.1	19.3	18.4	19.0	18.7	19.2	19.5
	3H	18.1	18.6	18.4	18.9	19.2	18.3	18.8	18.6	19.1	19.4
	4H	18.0	18.5	18.3	18.8	19.1	18.2	18.7	18.5	19.0	19.3
	6H	17.9	18.4	18.3	18.7	19.1	18.1	18.6	18.5	18.9	19.2
	8H	17.9	18.4	18.3	18.7	19.0	18.1	18.5	18.4	18.9	19.2
	12H	17.9	18.3	18.2	18.6	19.0	18.0	18.5	18.4	18.8	19.2
4H	2H	18.0	18.6	18.4	18.9	19.2	18.2	18.7	18.5	19.0	19.3
	3H	17.9	18.3	18.3	18.7	19.0	18.0	18.5	18.4	18.8	19.2
	4H	17.8	18.2	18.2	18.6	18.9	18.0	18.4	18.4	18.7	19.1
	6H	17.7	18.1	18.1	18.4	18.9	17.9	18.2	18.3	18.6	19.0
	8H	17.7	18.0	18.1	18.4	18.8	17.8	18.1	18.3	18.6	19.0
	12H	17.6	17.9	18.1	18.3	18.8	17.8	18.1	18.2	18.5	18.9
8H	4H	17.7	18.0	18.1	18.4	18.8	17.8	18.1	18.3	18.6	19.0
	6H	17.6	17.8	18.0	18.3	18.7	17.7	18.0	18.2	18.4	18.9
	8H	17.5	17.7	18.0	18.2	18.7	17.7	17.9	18.2	18.4	18.9
	12H	17.5	17.7	18.0	18.1	18.7	17.6	17.8	18.1	18.3	18.8
12H	4H	17.6	17.9	18.1	18.3	18.8	17.8	18.1	18.2	18.5	18.9
	6H	17.5	17.7	18.0	18.2	18.7	17.7	17.9	18.2	18.4	18.9
	8H	17.5	17.7	18.0	18.1	18.7	17.6	17.8	18.1	18.3	18.8

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