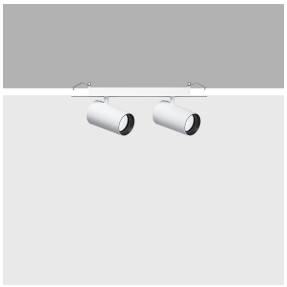
Palco Recessed / Surface

Design Artec Studio **iGuzzini**

Last information update: October 2024

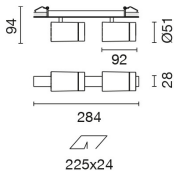
Product configuration: QC30
QC30: Palco linear recess 2 x Ø51 - flood - remote driver



Product code
QC30: Palco linear recess 2 x Ø51 - 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
White (01) | Black (04)

Weight (Kg)
0.71

Mounting
wall recessed|ceiling recessed

Wiring
Output cables for connecting to power supply line.

Notes
Technical and anti-glare accessories available.

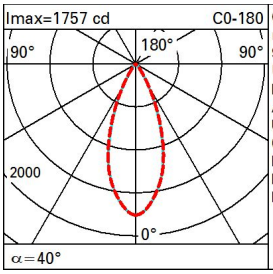
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	1723	CRI (minimum):	90
W system:	30	Colour temperature [K]:	3000
lm source:	1460	MacAdam Step:	2
W source:	15	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	57.4	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:	2
Beam angle [°]:	40° / 41°	LED current [mA]:	400

Polar



CIE
nL 0.59
97-100-100-100-59
UGR 17.4-17.6
DIN
A.61
UTE
0.59A+0.00T
F"1=969
F"1+F"2=998
F"1+F"2+F"3=1000

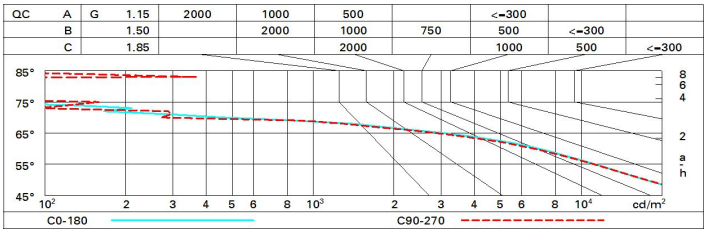
Lux

h	d1	d2	Em	Emax
2	1.4	1.5	336	439
4	2.9	2.9	84	110
6	4.3	4.4	37	49
8	5.8	5.8	21	27

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 1460 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	18.0	18.6	18.3	18.8	19.1	18.1	18.8	18.4	19.0	19.3
	3H	17.8	18.4	18.2	18.7	19.0	18.0	18.6	18.3	18.9	19.2
	4H	17.8	18.3	18.1	18.6	18.9	18.0	18.5	18.3	18.8	19.1
	6H	17.7	18.2	18.0	18.5	18.8	17.9	18.4	18.2	18.7	19.0
	8H	17.7	18.1	18.0	18.5	18.8	17.8	18.3	18.2	18.6	19.0
	12H	17.6	18.1	18.0	18.4	18.8	17.8	18.3	18.2	18.6	18.9
4H	2H	17.8	18.3	18.1	18.6	18.9	17.9	18.5	18.3	18.8	19.1
	3H	17.7	18.1	18.0	18.4	18.8	17.8	18.3	18.2	18.6	19.0
	4H	17.6	18.0	18.0	18.3	18.7	17.7	18.1	18.1	18.5	18.9
	6H	17.5	17.8	17.9	18.2	18.6	17.6	18.0	18.1	18.4	18.8
	8H	17.4	17.7	17.9	18.2	18.6	17.6	17.9	18.0	18.3	18.8
	12H	17.4	17.7	17.8	18.1	18.6	17.5	17.8	18.0	18.3	18.7
8H	4H	17.4	17.7	17.9	18.2	18.6	17.6	17.9	18.0	18.3	18.8
	6H	17.3	17.6	17.8	18.0	18.5	17.5	17.8	18.0	18.2	18.7
	8H	17.3	17.5	17.8	18.0	18.5	17.4	17.7	17.9	18.1	18.6
	12H	17.2	17.4	17.7	17.9	18.4	17.4	17.6	17.9	18.1	18.6
12H	4H	17.4	17.7	17.8	18.1	18.6	17.5	17.8	18.0	18.3	18.7
	6H	17.3	17.5	17.8	18.0	18.5	17.4	17.7	17.9	18.1	18.6
	8H	17.2	17.4	17.7	17.9	18.4	17.4	17.6	17.9	18.1	18.6

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