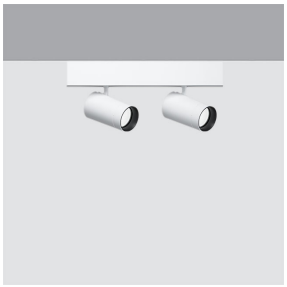
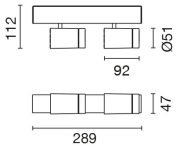
Palco Incasso/Superficie

Design Artec3 Studio **iGuzzini**

Last information update: June 2018





Palco linear surface 2 x Ø51 - flood - integrated driver

Product code
QC64

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 surface cover module with mechanical coupling system - thermoplastic side end caps. The 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 located inside cover module.

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.

Dimension (mm)
Ø51

Colour
White (01) | Black (04)

Weight (Kg)
1.11

Mounting
wall surface|ceiling surface

Wiring
Quick-coupling connection on integrated driver terminals.

Notes
Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations

IP20

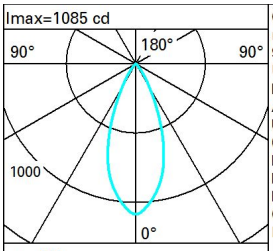
Product configuration: QC64

Product characteristics
Total lighting output [Lm]: 1102
Total power [W]: 29.1
Luminous efficacy [Lm/W]: 37.9
Life Time: 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 2

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 68
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 12
Nominal luminous [Lm]: 810
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.5
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

Polar

Imax=1085 cd



α = 42°

CIE
nL 0.68
97-100-100-100-68
UGR 16.4-16.4
DIN
A.61
UTE
0.68A+0.00T
F"1=972
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°

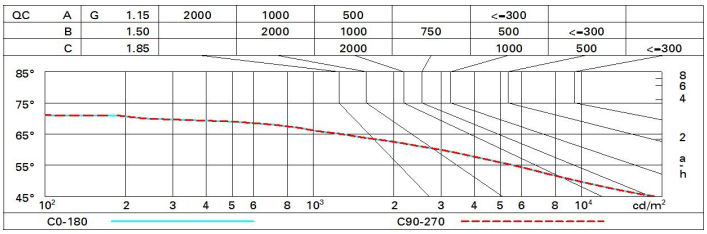
Lux

h	d	Em	Emax
1	0.8	814	1085
2	1.5	203	271
3	2.3	90	121
4	3.1	51	68

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	55	53	57	55	54	52	76
1.0	63	60	58	57	60	58	57	55	81
1.5	67	65	63	61	64	62	62	59	87
2.0	69	67	66	65	66	65	64	63	92
2.5	70	69	68	67	68	67	66	65	95
3.0	71	70	70	69	69	69	68	66	97
4.0	72	71	71	70	70	70	69	67	99
5.0	72	72	72	71	71	71	69	68	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 810 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	17.0	17.7	17.3	17.9	18.1	17.0	17.7	17.3	17.9	18.1
	3H	16.9	17.5	17.2	17.7	18.0	16.9	17.5	17.2	17.7	18.0
	4H	16.8	17.3	17.1	17.6	17.9	16.8	17.4	17.2	17.6	17.9
	6H	16.7	17.2	17.1	17.5	17.9	16.7	17.2	17.1	17.5	17.9
	8H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5	17.8
	12H	16.7	17.1	17.0	17.4	17.8	16.7	17.1	17.0	17.5	17.8
4H	2H	16.8	17.4	17.2	17.6	17.9	16.8	17.3	17.1	17.6	17.9
	3H	16.7	17.1	17.0	17.5	17.8	16.7	17.1	17.0	17.5	17.8
	4H	16.6	17.0	17.0	17.3	17.7	16.6	17.0	17.0	17.3	17.7
	6H	16.5	16.8	16.9	17.2	17.7	16.5	16.8	16.9	17.2	17.7
	8H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2	17.6
	12H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
8H	4H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2	17.6
	6H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	12H	16.2	16.4	16.8	16.9	17.4	16.2	16.4	16.8	16.9	17.4
12H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.2	16.4	16.8	16.9	17.4	16.2	16.4	16.8	16.9	17.4

Variations with the observer position at spacing:

S =	1.0H	4.9 / -10.3	4.9 / -10.3
	1.5H	7.7 / -15.5	7.7 / -15.5
	2.0H	9.7 / -21.8	9.7 / -21.8