

Last information update: May 2018



**Palco LV spotlight Ø 37 - flood beam**

**Product code**  
Q632

**Technical description**

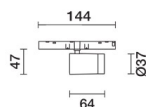
Miniaturised adjustable spotlight with adapter for installation on 48V low voltage track. Made of die-cast aluminium with passive dissipation system. The adapter made of a thermoplastic material includes the DC/DC driver circuit with a DALI dimmable function. Integrated «power line» technology allows each spotlight mounted on the track to be regulated separately. 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. Thermoplastic high definition lens with extra filter for variable optic. A rapid tool-free system for connecting the adapter electrically and mechanically to the track.

**Installation**

Mechanical fastening with adapter on track.

**Dimension (mm)**

Ø37



**Colour**

White (01) | Black (04)

**Weight (Kg)**

0.1

**Mounting**

Low voltage track

**Wiring**

Integrated DC/DC LED driver in adapter - direct connection on 48V track. Track power supply unit to be ordered separately.

**Notes**

Technical and anti-glare accessories available.

Complies with EN60598-1 and pertinent regulations



**Product configuration: Q632**

**Product characteristics**

Total lighting output [Lm]: 364  
Total power [W]: 8.6  
Luminous efficacy [Lm/W]: 42.3  
Life Time: 50,000h - L80 - B10 (Ta 25°C)

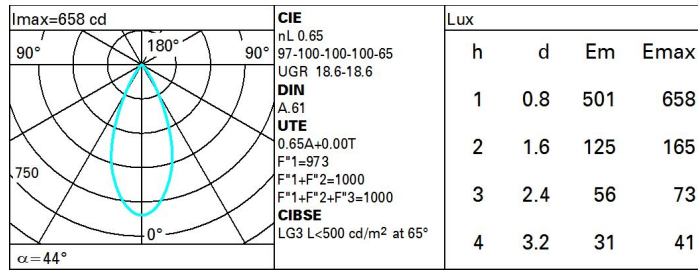
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 65  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 7.2  
Nominal luminous [Lm]: 560  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 44°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1.4  
Colour temperature [K]: 3000  
CRI: 90  
Wavelength [Nm]: /  
MacAdam Step: 3

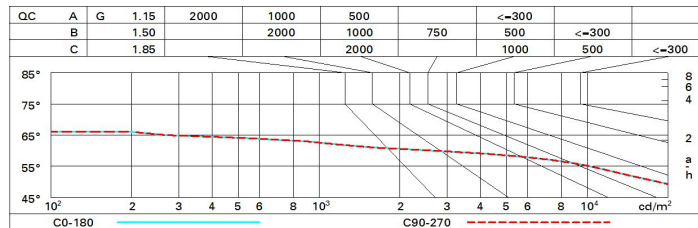
**Polar**



**Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	51	54	52	52	50	76
1.0	61	58	56	54	57	55	55	53	81
1.5	64	62	60	59	61	59	59	57	88
2.0	66	64	63	62	63	62	62	60	92
2.5	67	66	65	64	65	64	64	62	95
3.0	68	67	67	66	66	66	65	63	97
4.0	69	68	68	67	67	67	66	64	99
5.0	69	69	68	68	68	67	66	65	100

**Luminance curve limit**



**UGR diagram**

Corrected UGR values (at 500 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
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	19.2	19.8	19.5	20.1	20.3	19.2	19.8	19.5	20.1	20.3
	3H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
	4H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	6H	18.9	19.4	19.3	19.7	20.0	18.9	19.4	19.3	19.7	20.1
	8H	18.9	19.3	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0
	12H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
4H	2H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	3H	18.8	19.3	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
	4H	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9
	6H	18.7	19.0	19.1	19.4	19.8	18.7	19.0	19.1	19.4	19.8
	8H	18.6	18.9	19.1	19.4	19.8	18.6	18.9	19.1	19.4	19.8
	12H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
8H	4H	18.6	18.9	19.1	19.4	19.8	18.6	18.9	19.1	19.4	19.8
	6H	18.5	18.8	19.0	19.2	19.7	18.5	18.8	19.0	19.2	19.7
	8H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	12H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
12H	4H	18.6	18.9	19.0	19.3	19.7	18.6	18.9	19.0	19.3	19.7
	6H	18.5	18.7	19.0	19.2	19.7	18.5	18.7	19.0	19.2	19.7
	8H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
Variations with the observer position at spacing:											
S =	1.0H	5.2 / -10.8					5.2 / -10.8				
	1.5H	7.9 / -25.4					7.9 / -25.4				
	2.0H	9.5 / -35.8					9.5 / -35.8				