

# Palco Pro

Design Artec  
Studio

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## Product configuration: PX54

PX54: Ø86mm body - dimmable electronic DALI - Flood optic



### Product code

PX54: Ø86mm body - dimmable electronic DALI - Flood optic

### Technical description

Adjustable spotlight with adapter for installation on an electrified track. High chromatic yield LED lamp with 2700K tone and OptiBeam Lens optic system and Flood optic. DALI dimmable electronic power supply integrated in product track adapter. Luminaire made of die-cast aluminium and thermoplastic material that allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane with mechanical aiming locks. Passive heat dissipation. Spotlight with "Push&Go" system designed to hold up to three flat accessories at the same time. The same system can also be used to apply another external component selected from the directional flaps and anti-glare screen. All internal accessories rotate 360° about the spotlight longitudinal axis.

### Installation

Installation on an electrified track.

### Colour

White (01) | Black (04)

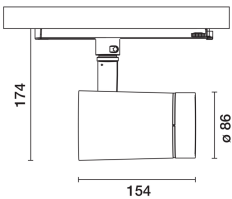
### Weight (Kg)

0.92

### Mounting

three circuit track|wall surface|three circuit track pendant|ceiling surface

Complies with EN60598-1 and pertinent regulations



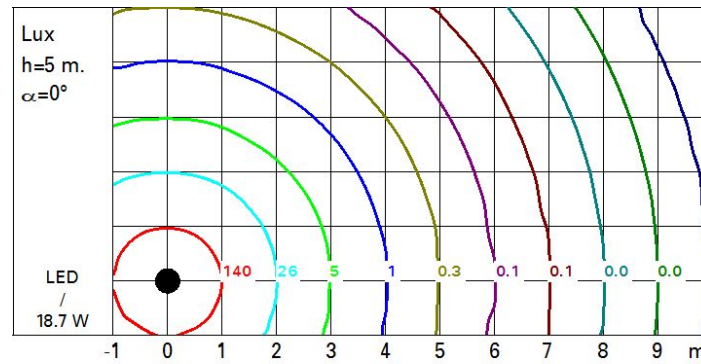
### Technical data

Im system:	1492	MacAdam Step:	2
W system:	18.7	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	1820	Lamp code:	LED
W source:	16	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	79.8	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	82	Inrush current:	5 A / 50 µs
Beam angle [°]:	28°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
CRI (minimum):	90	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	2700	Control:	DALI-2

### Polar

Imax=5606 cd		Lux			
90°	180°	90°	h	d	Em Emax
			2	1	1114 1401
			4	2	278 350
			6	3	124 156
			8	4	70 88
$\alpha = 28^\circ$					

### Isolux



### UGR diagram

Corrected UGR values (at 1820 lm bare lamp luminous flux)												
Reflect.:		viewed crosswise					viewed endwise					
ceiling		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												
x	y											
2H	2H	10.4	12.4	10.8	12.8	13.1	10.4	12.4	10.8	12.8	13.1	
	3H	10.3	11.9	10.7	12.2	12.5	10.3	11.9	10.7	12.2	12.5	
	4H	10.2	11.6	10.6	11.9	12.2	10.2	11.6	10.6	11.9	12.3	
	6H	10.2	11.2	10.6	11.6	11.9	10.2	11.3	10.6	11.6	12.0	
	8H	10.1	11.2	10.5	11.5	11.9	10.1	11.2	10.5	11.5	11.9	
	12H	10.1	11.1	10.5	11.5	11.9	10.1	11.1	10.5	11.5	11.9	
4H	2H	10.2	11.6	10.6	11.9	12.3	10.2	11.6	10.6	11.9	12.2	
	3H	10.1	11.2	10.5	11.5	11.9	10.1	11.2	10.5	11.5	11.9	
	4H	10.0	11.0	10.5	11.4	11.8	10.0	11.0	10.5	11.4	11.8	
	6H	9.7	11.3	10.2	11.7	12.2	9.7	11.3	10.2	11.7	12.2	
	8H	9.6	11.4	10.0	11.8	12.3	9.6	11.4	10.1	11.8	12.3	
	12H	9.4	11.3	9.9	11.8	12.3	9.4	11.3	10.0	11.8	12.3	
8H	4H	9.6	11.4	10.1	11.8	12.3	9.6	11.4	10.0	11.8	12.3	
	6H	9.4	11.2	9.9	11.7	12.2	9.4	11.2	9.9	11.7	12.2	
	8H	9.4	11.0	9.9	11.5	12.0	9.4	11.0	9.9	11.5	12.0	
	12H	9.5	10.6	10.0	11.1	11.6	9.5	10.6	10.0	11.1	11.6	
12H	4H	9.4	11.3	10.0	11.8	12.3	9.4	11.3	9.9	11.8	12.3	
	6H	9.4	11.0	9.9	11.5	12.0	9.4	11.0	9.9	11.5	12.0	
	8H	9.5	10.6	10.0	11.1	11.6	9.5	10.6	10.0	11.1	11.6	
Variations with the observer position at spacing:												
S =		1.0H	4.6 / -7.1				4.6 / -7.1					
		1.5H	7.3 / -10.2				7.3 / -10.2					
		2.0H	9.3 / -12.9				9.3 / -12.9					