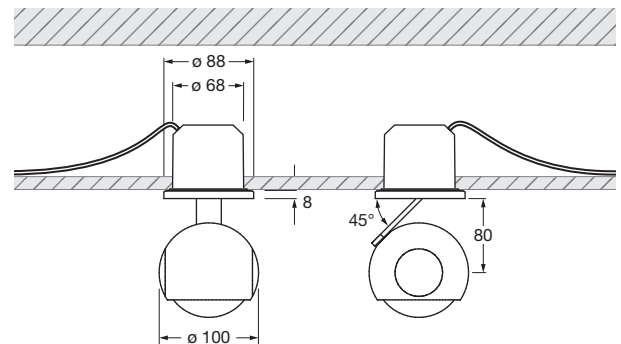
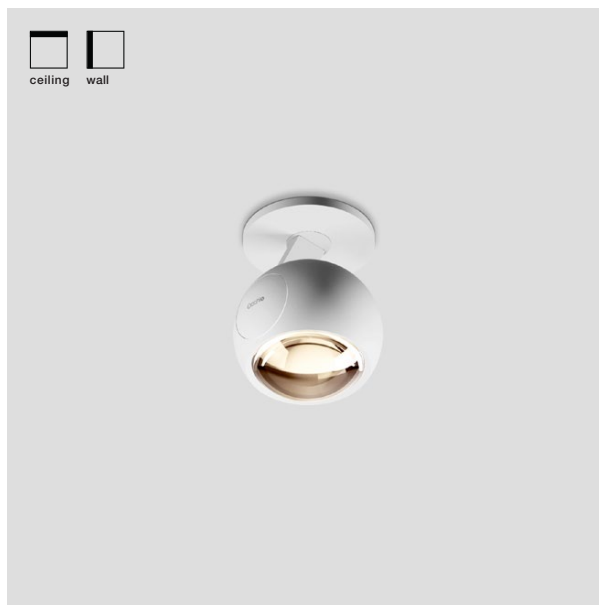


## io pico flat datasheet

LED ceiling/wall spotlight with spherical head and lens optics; version with flat base for fitting onto built-in box or ceiling box; power supply with external power source (converter). Movable in any direction thanks to Occhio 3D kinematics with two pivots set at an angle of 45° to each other; operation via heat-insulated grip pads. Head can be taken off for maintenance; replaceable LED. Power 18 W or 13 W (preselectable); dimmable via customer-supplied dimmable ballast or by hand movement control via touchless sensor (can be deactivated). Lighting effect can be changed through optional inserts; dichroitic color filters can be additionally inserted. Surface combinations of head, pads, body and base can be configured as desired; pads changeable.






















Dimensions in mm

### technical data io pico flat

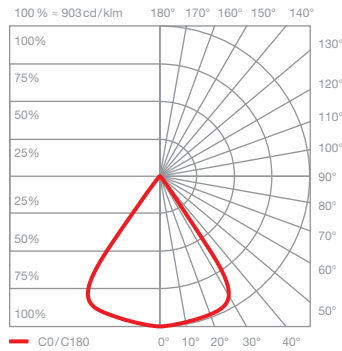
<b>properties</b>	material	aluminium, zinc chrome-plated or painted, optical plastic, glass
	turning range head	360°
	turning range body	360° (with stop)
	weight	1.0 kg
<b>surface</b>	head	matt gold, rose gold, bronze, shiny chrome, matt chrome, glossy white, matt white, matt black, phantom, black phantom
	pads	rose gold, bronze, shiny chrome, matt chrome, glossy white, matt white, matt black
	body	shiny chrome, matt chrome, matt white, matt black
	base	shiny chrome, matt chrome, glossy white, matt white, matt black
<b>Occhio LED</b>	average life time	> 50.000 hrs
	energy efficiency class (luminous efficiency)	G (63 lm / W)
	power	LED 18 W (incl. Occhio power supply unit approx. 22 W, standby < 0.5 W) / LED 13 W (incl. Occhio power supply unit approx. 15 W, standby < 0.5 W)
	color rendering index	perfect color; CRI Ra 97      high flux; CRI Ra 85
<b>electricity</b>	color temperature (color consistency)	2700 K, 3000 K (2-step)      3000 K, 3500 K, 4000 K (2-step)
	dimming	by integrated touchless sensor in head or external with trailing edge phase dimmer*, push button, 1–10 V
<b>electricity</b>	power factor power supply (cos φ1)	0.9
	flicker / stroboscopic effect	1 (PstLM) / 0.9 (SVM)
	power supply unit	external driven by constant current source 42...48 V DC / min. 22 W
	permitted operating conditions	max. 30°C for indoor use only

For a list of compatible dimmers, see [www.occhio.com/dim\\_en](http://www.occhio.com/dim_en)

## io pico flat overview inserts

io head				
satinised glass				
soft edge glass				
fresnel lens				
color filter (optional, power of light source max. 13 W)				
lens				
				
	io C	io C with soft edge glass	io C with satinised glass	io C with fresnel lens

## io pico flat lighting effects



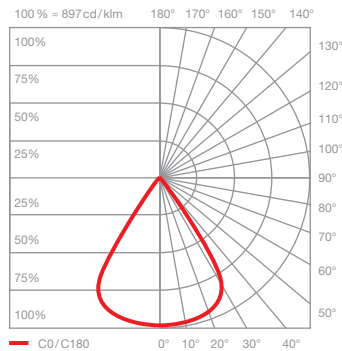
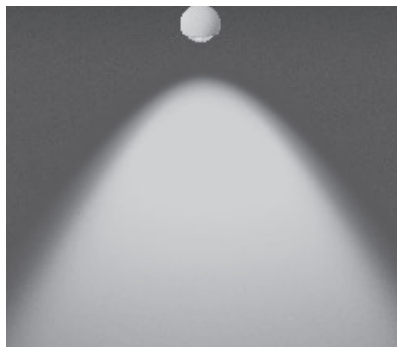
### io C

directed light (approx. 80°)

inserts: lens

luminous flux: perfect color 18W 1170lm  
high flux 18W 1610lm

perfect color 13W 800lm  
high flux 13W 1170lm



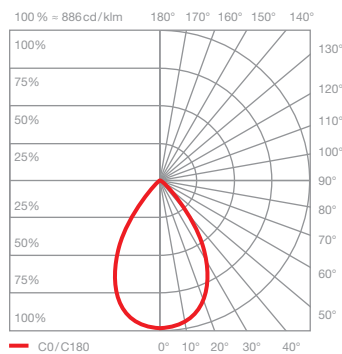
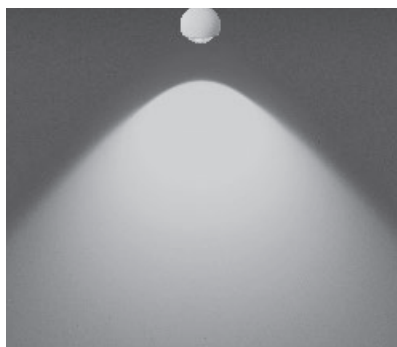
### io C with soft edge glass

directed light with soft contour of the beam angle (approx. 80°)

inserts: lens  
soft edge glass

luminous flux: perfect color 18W 1070lm  
high flux 18W 1470lm

perfect color 13W 740lm  
high flux 13W 1070lm



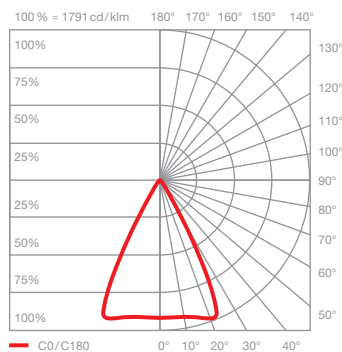
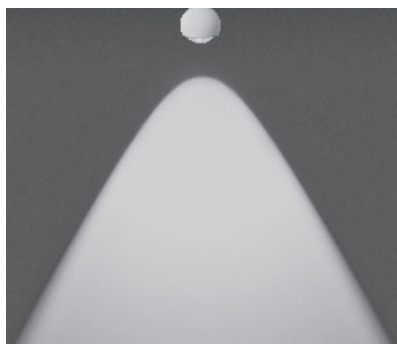
### io C with satinised glass

diffused light with soft widening of the beam angle (approx. 100°)

inserts: lens  
satinised glass

luminous flux: perfect color 18W 910lm  
high flux 18W 1250lm

perfect color 13W 630lm  
high flux 13W 910lm



### io C with fresnel lens

bundled light  
beam angle approx. 60°

inserts: lens  
fresnel lens

luminous flux: perfect color 18W 990lm  
high flux 18W 1360lm

perfect color 13W 680lm  
high flux 13W 990lm