

A2PBEER – Affordable and Adaptable Public Buildings through Energy Efficient Retrofitting

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Webinar

28 de Febrero 2017



**Sistema de
Iluminación
Inteligente**

Contenido de la Presentación

- Introducción
- Sistema de iluminación inteligente
- Test de validación



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■ Eficiencia energética en las instalaciones de luz



Iluminación LED



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-  Luz Artificial
-  Luz del Sol
-  Inteligencia



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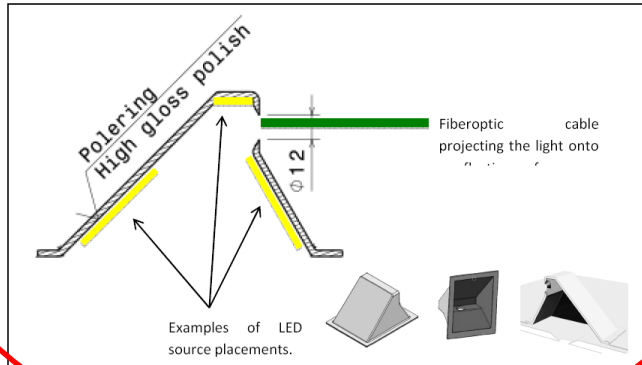


Luminaria. Integración FO Panel

LED (dimmer)

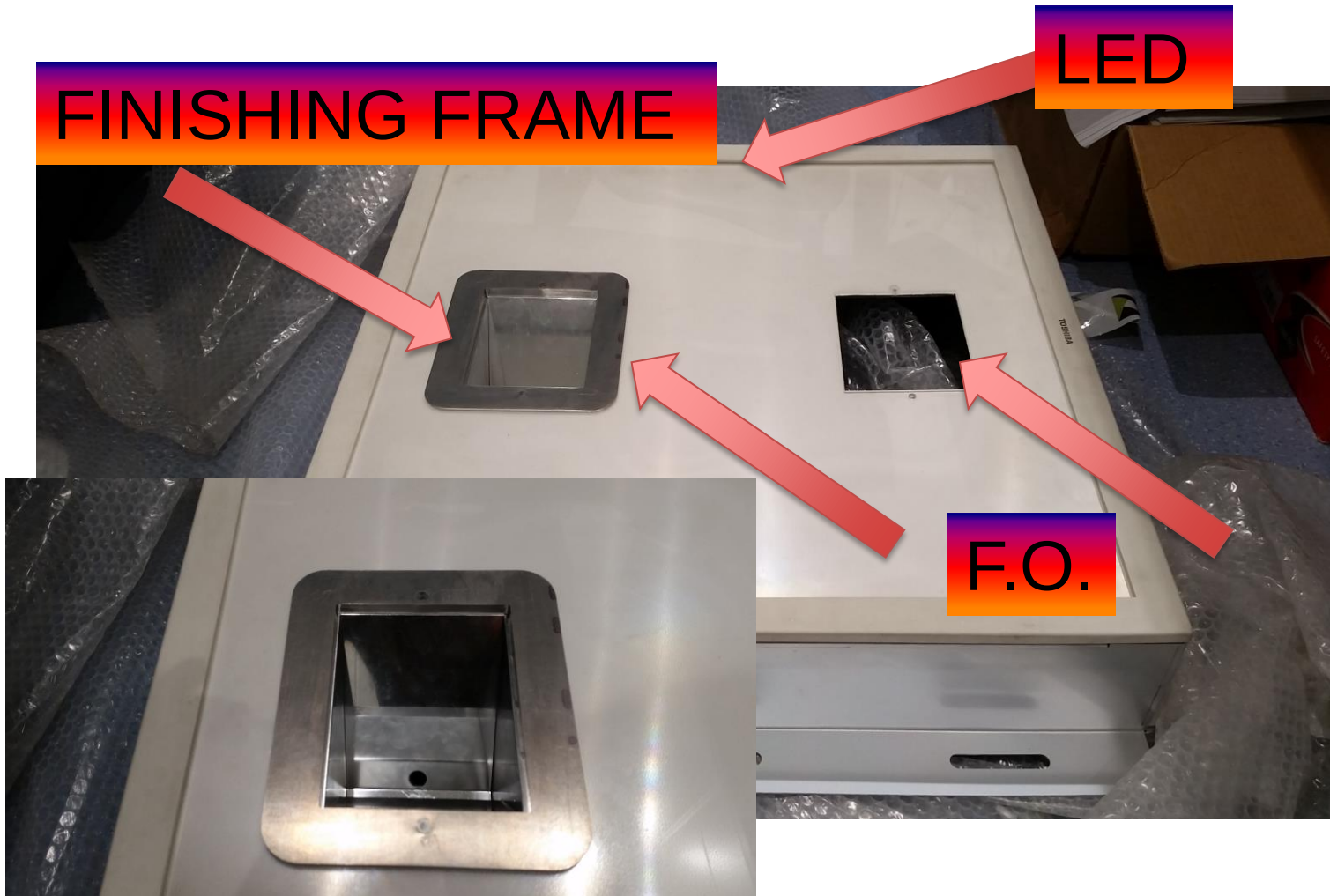
Difusor fibra óptica

TOSHIBA
Leading Innovation >>>

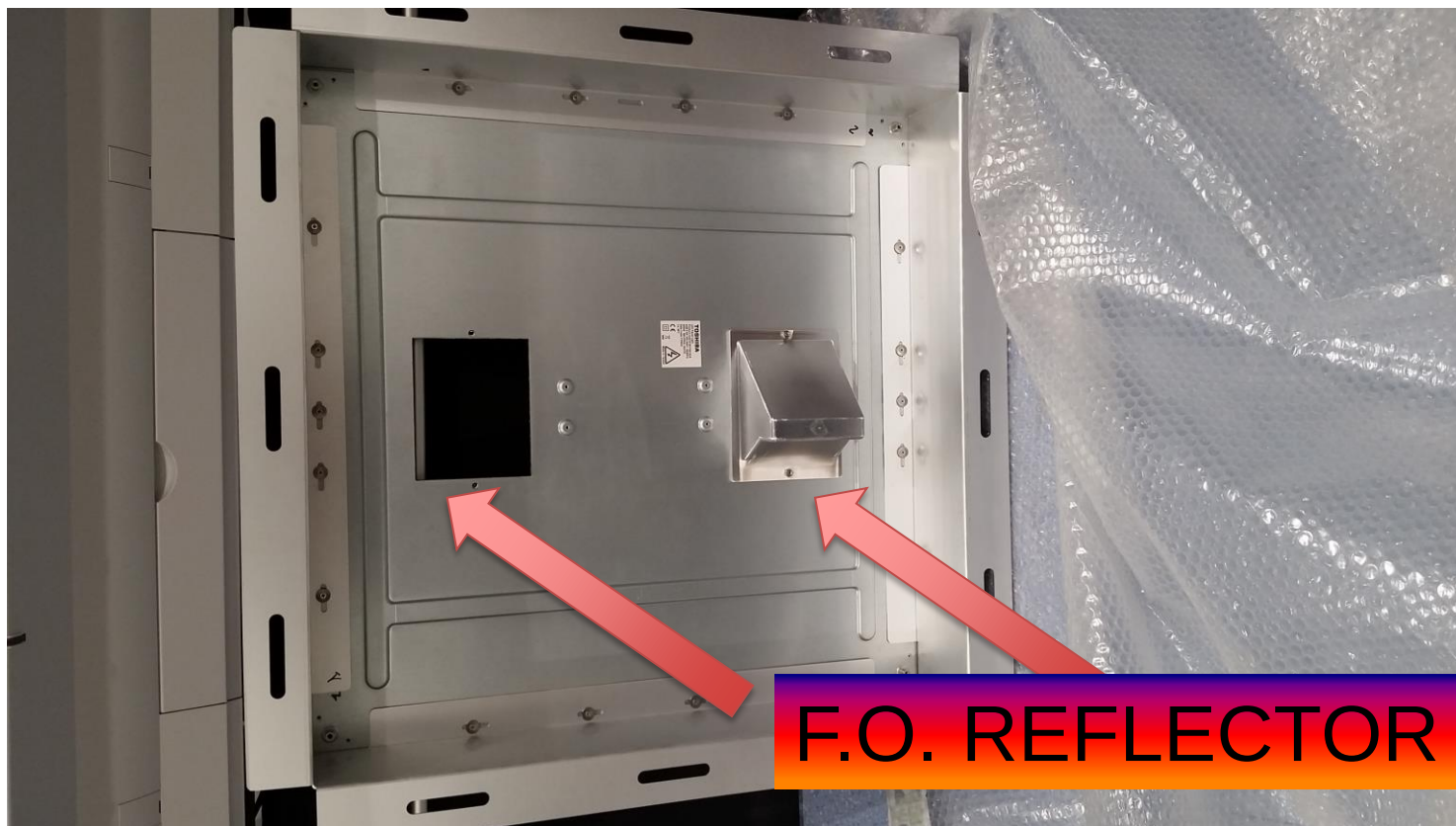


LED Panel

Luminaria. Integración FO Panel



Luminaria. Integración FO Panel



F.O. REFLECTOR

Colector solar



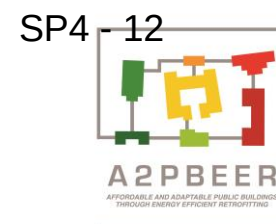
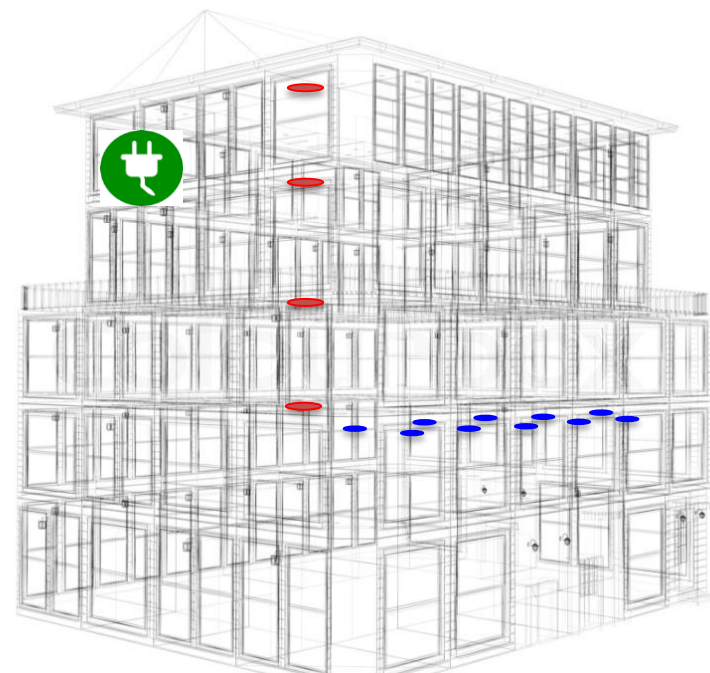
El sistema de Parans consta de 4 partes:

- Base
- Brazos
- Lentes
- Fibra Óptica

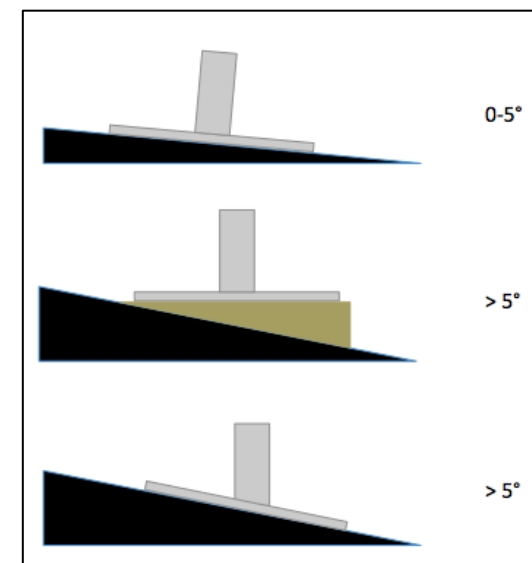
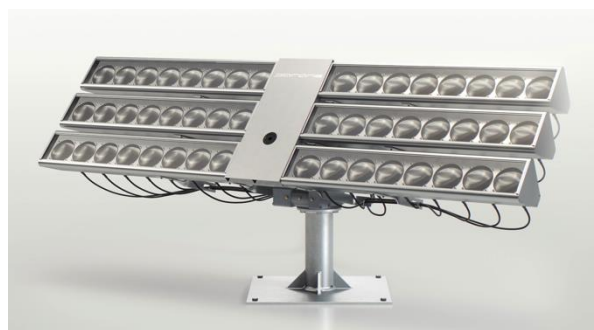
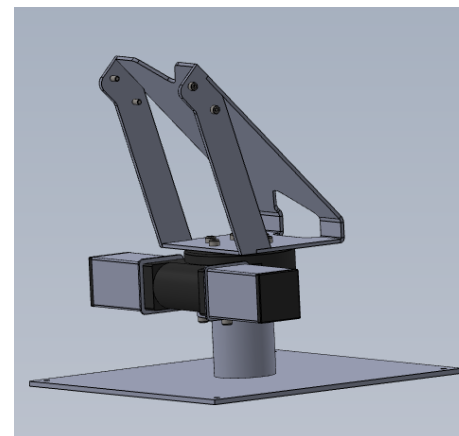
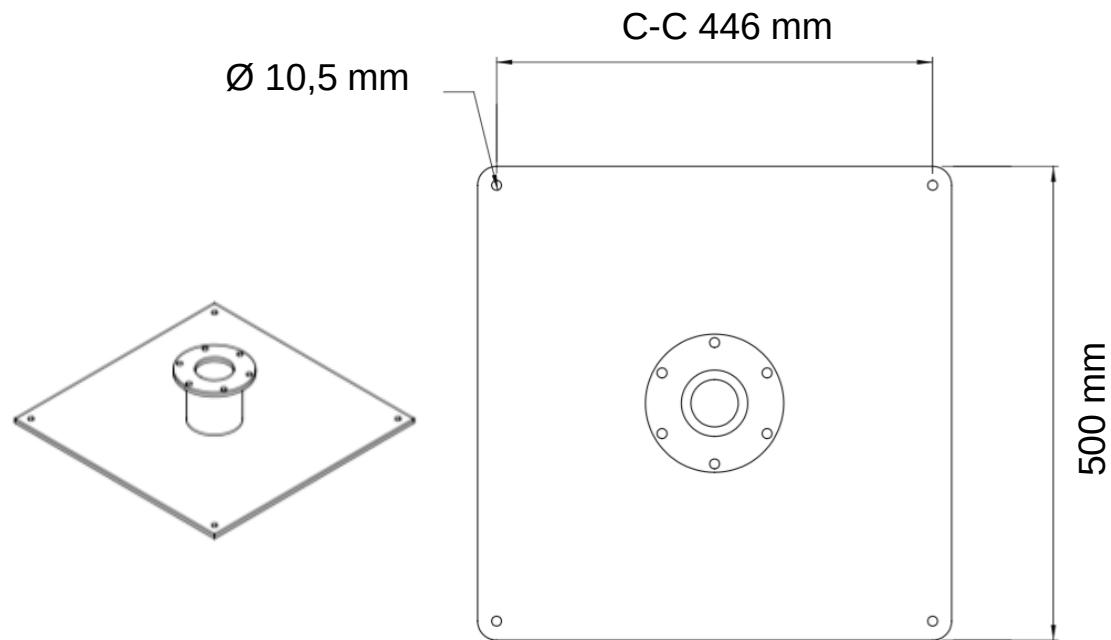
Estas partes pueden ser instalados de modo separado, las dos ultimas por un técnico certificado de Parans

Especificaciones técnicas:

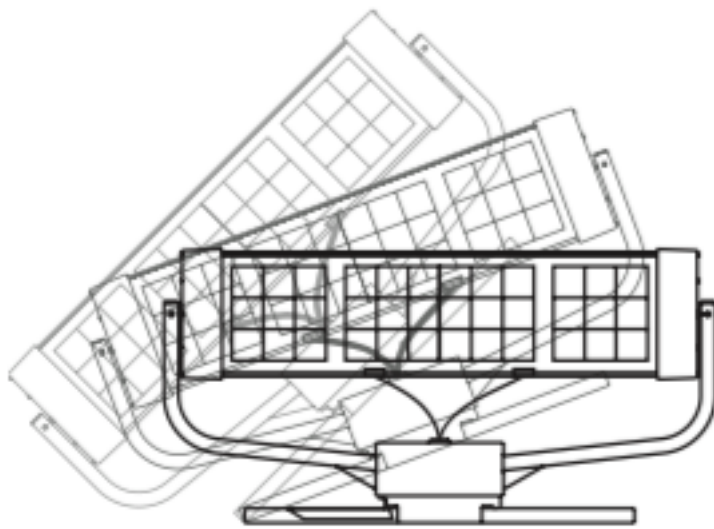
	SP4 - 4	SP4 - 6	SP4 - 8	SP4 - 12	SP4 - 20
Ancho(mm)	1100	1100	1950	1950	1950
Alto(mm)	880	1180	880	1180	1180
Peso (kg) sin cable	50	55	55	65	85
Alimentación	100-250 V AC, 50-60 Hz				
Consumo	0-12 W				
Temperatura de operación	-20°C - 50°C				
Luz suministrada	4000-26000 lm				
Materiales	Aluminio, Acero, Cristal ,Acrilico				
Radio de curvatura(cable óptico)	150 mm				
Electrónica	IP65				



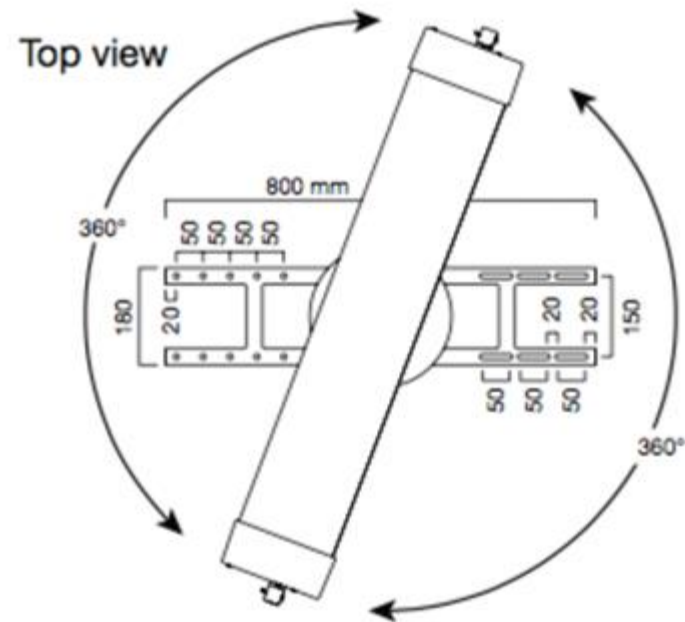
Colector solar. Base



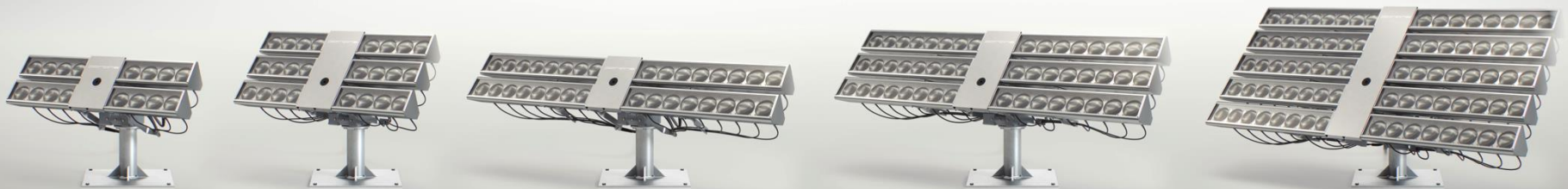
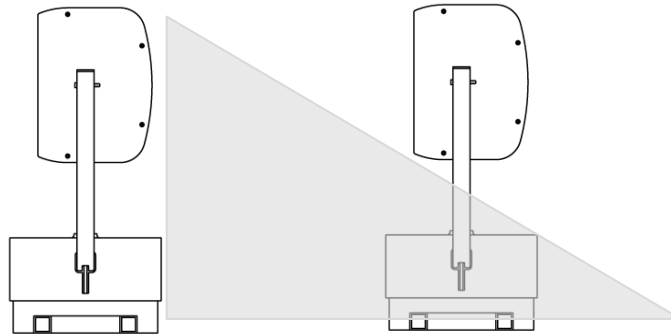
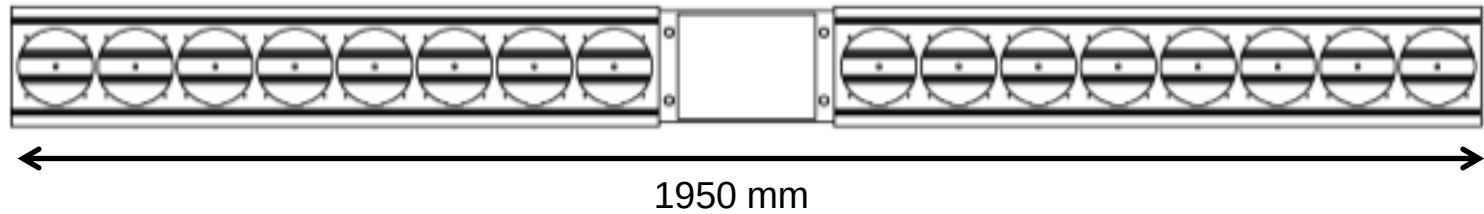
Colector solar. Brazo



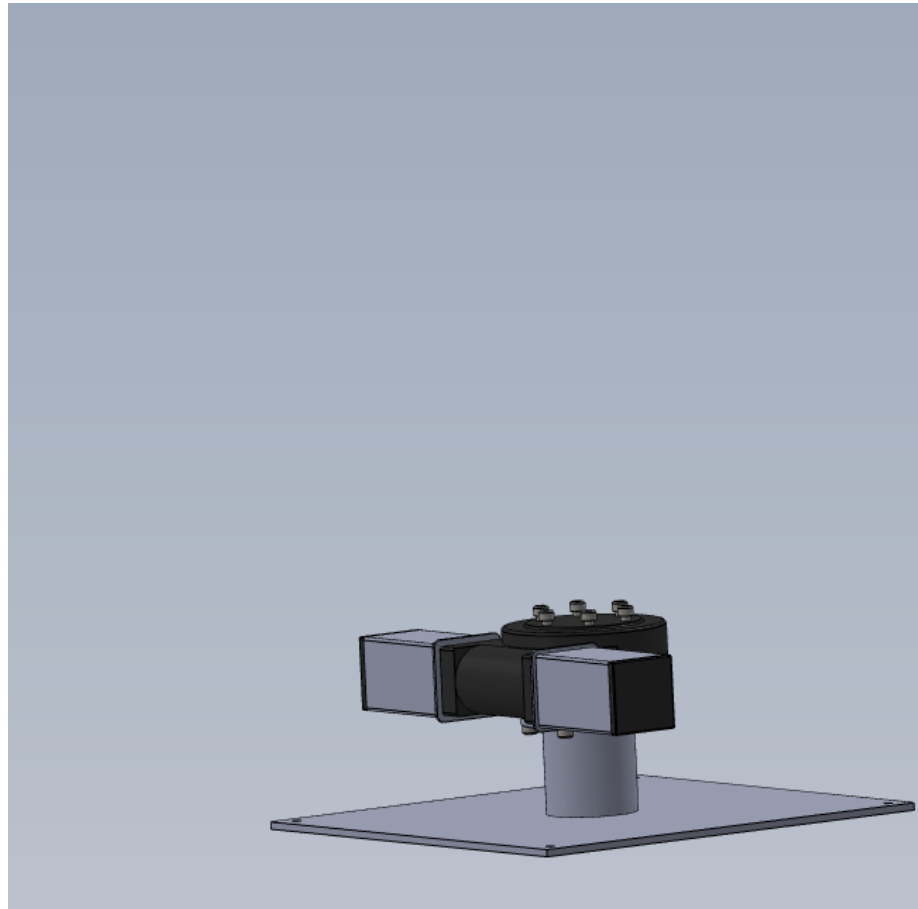
45°



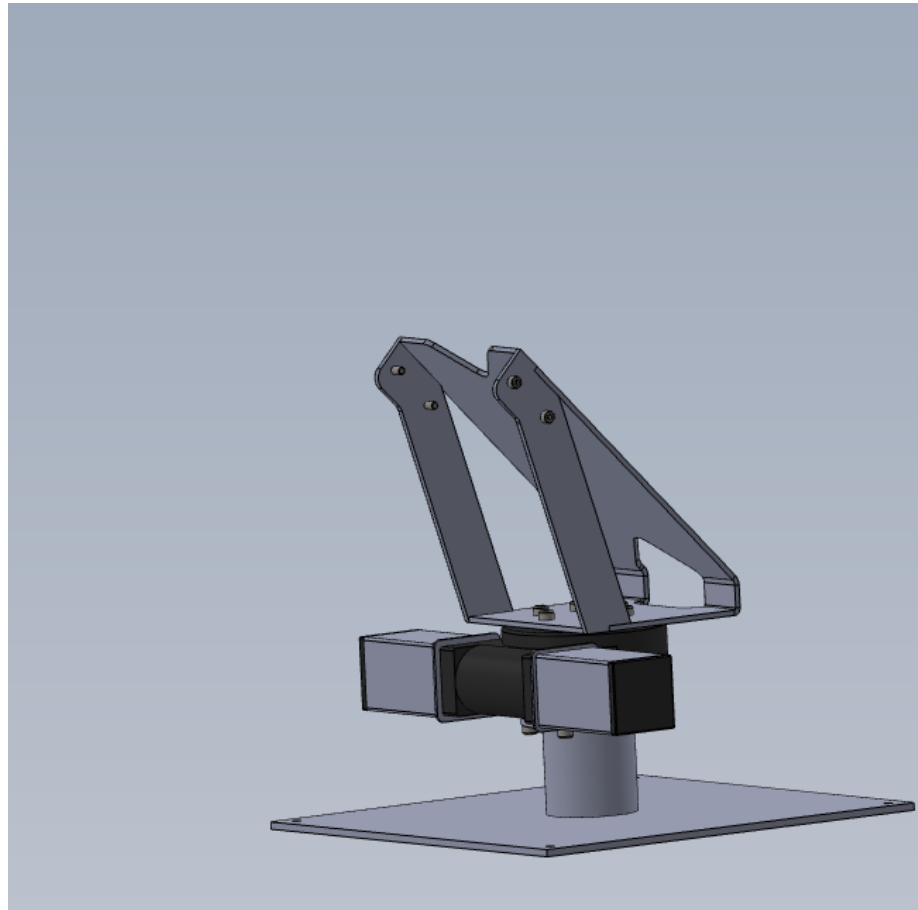
Colector solar. Brazo



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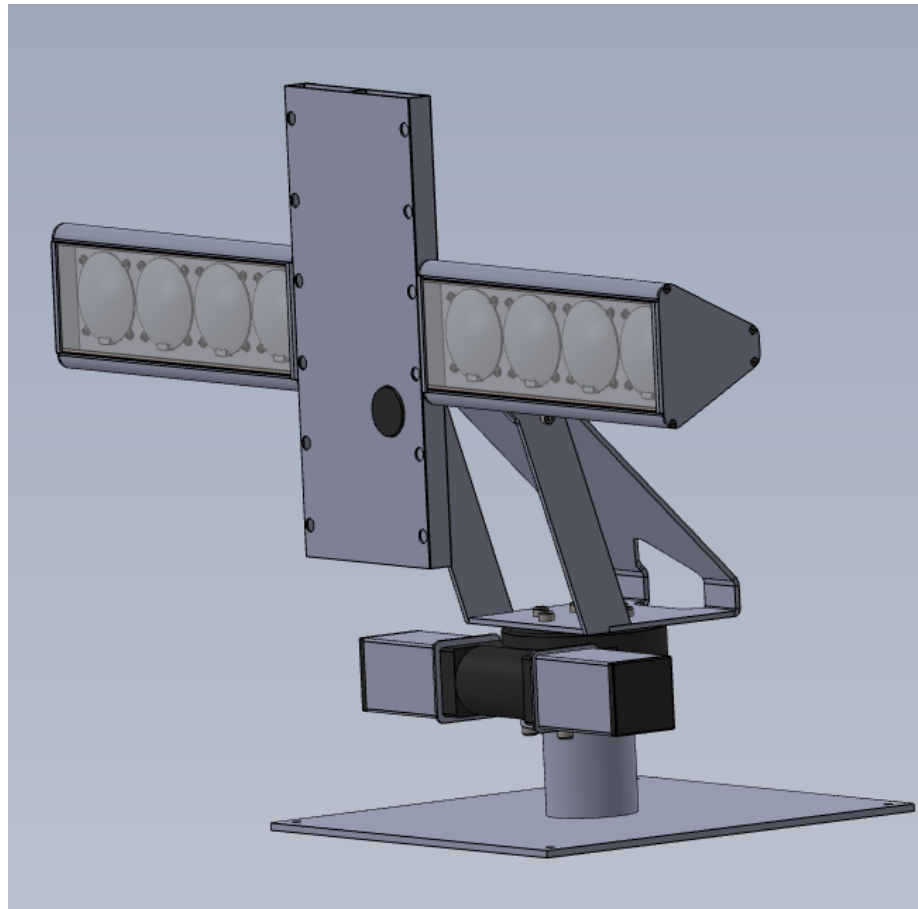
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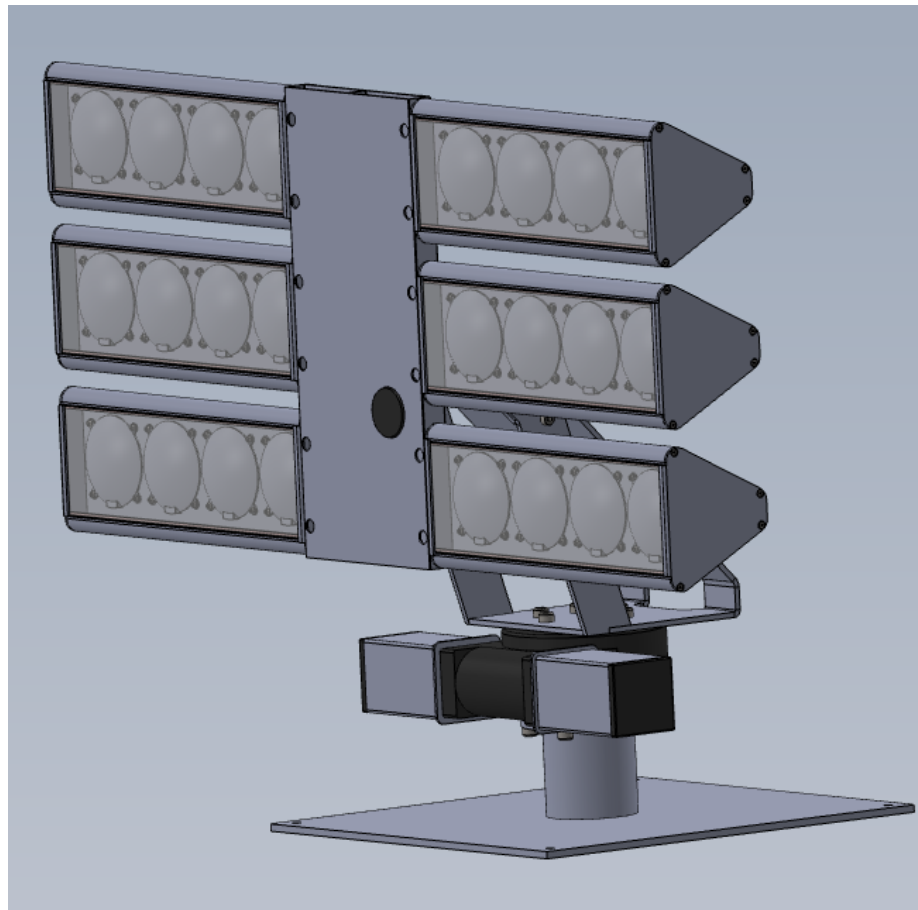
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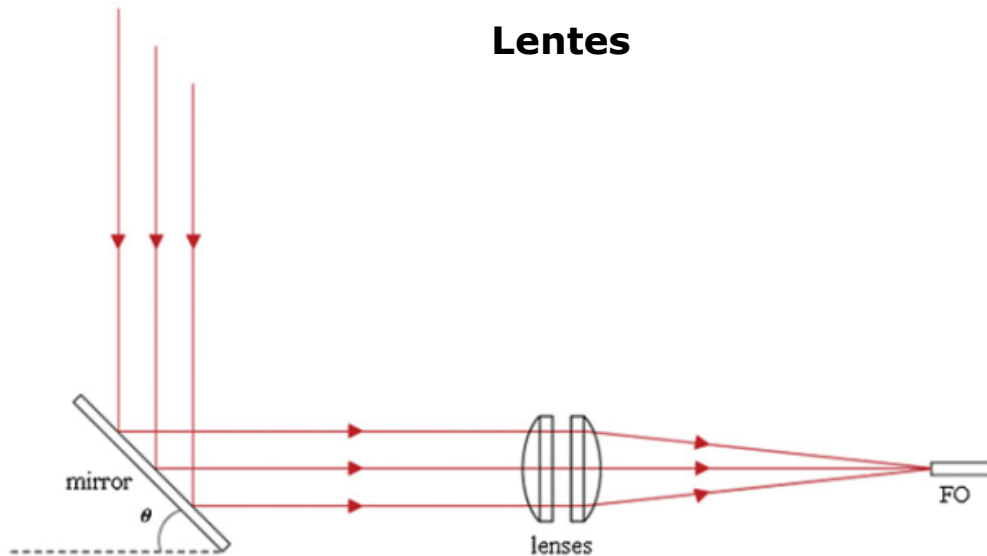


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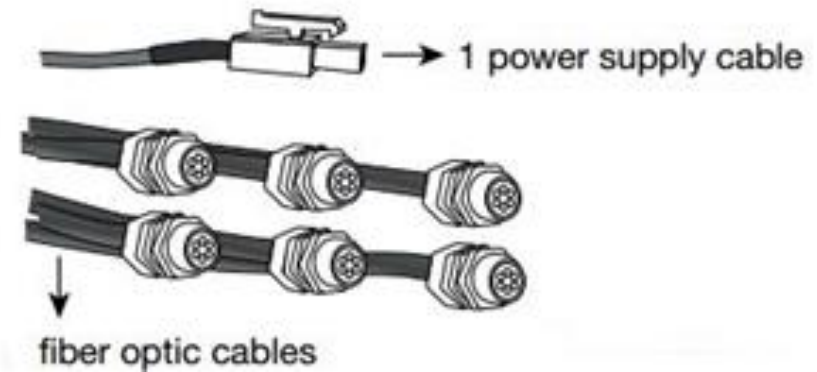


Colector solar. Lentes & Fibra Optica

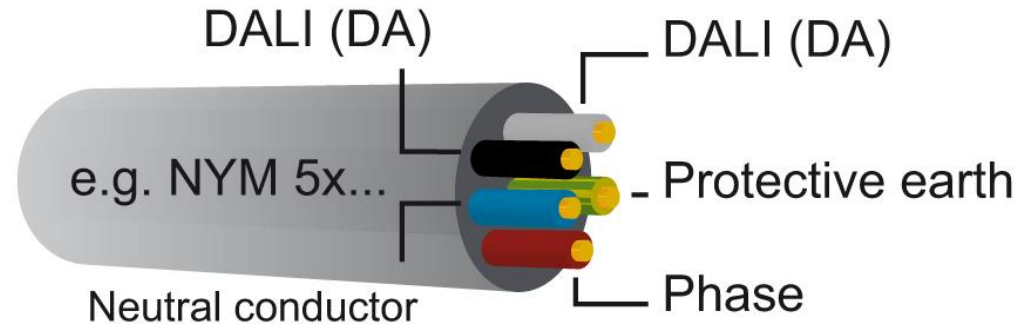
Lentes



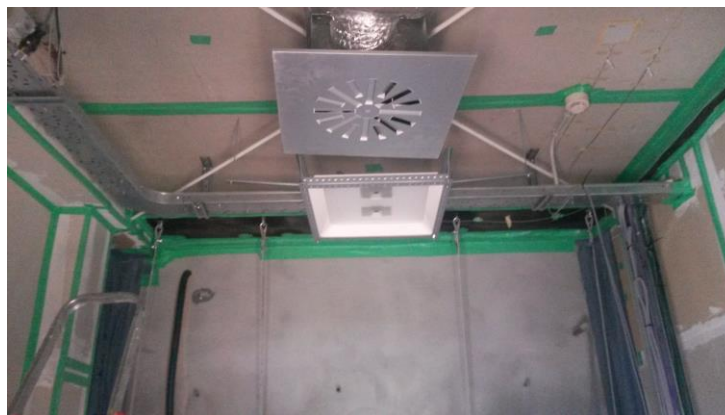
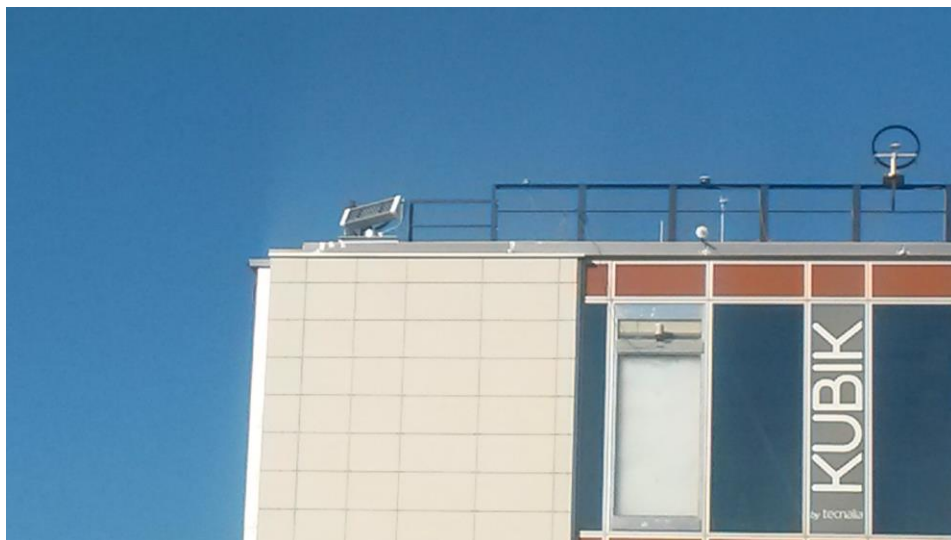
Fibra Optica



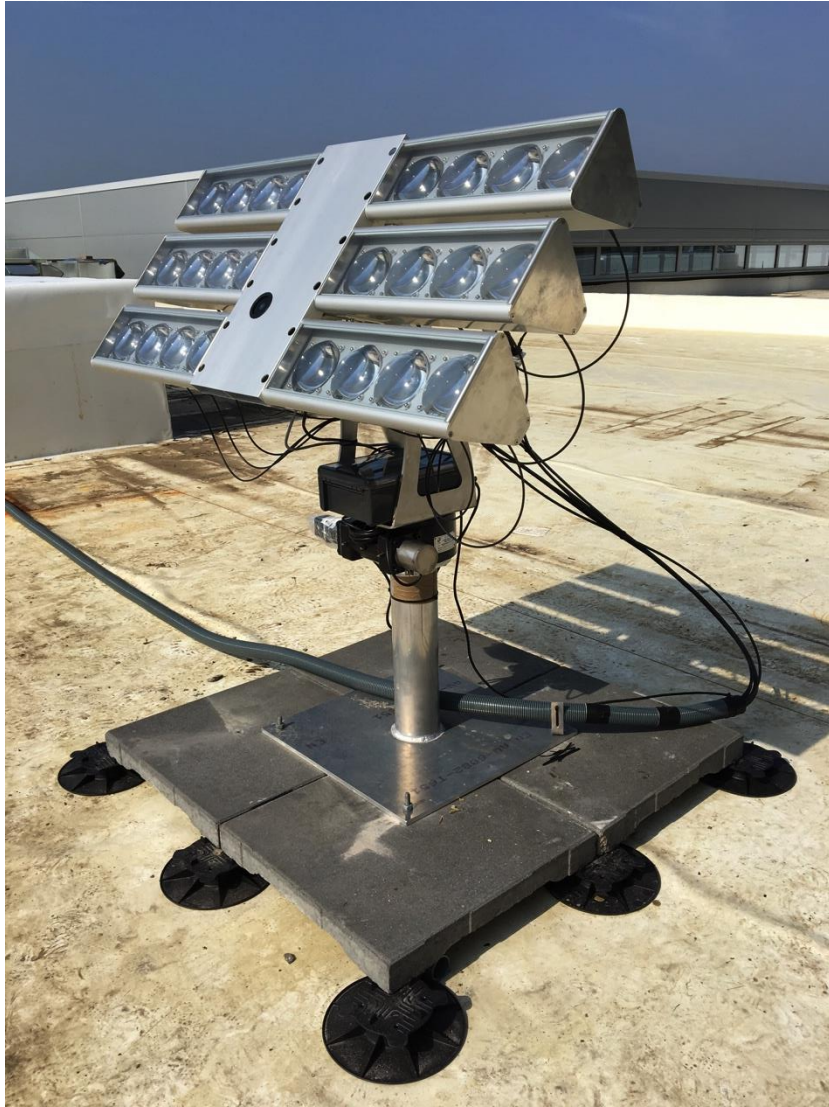
Sistema de Control



Demo Instalación Feb 2015

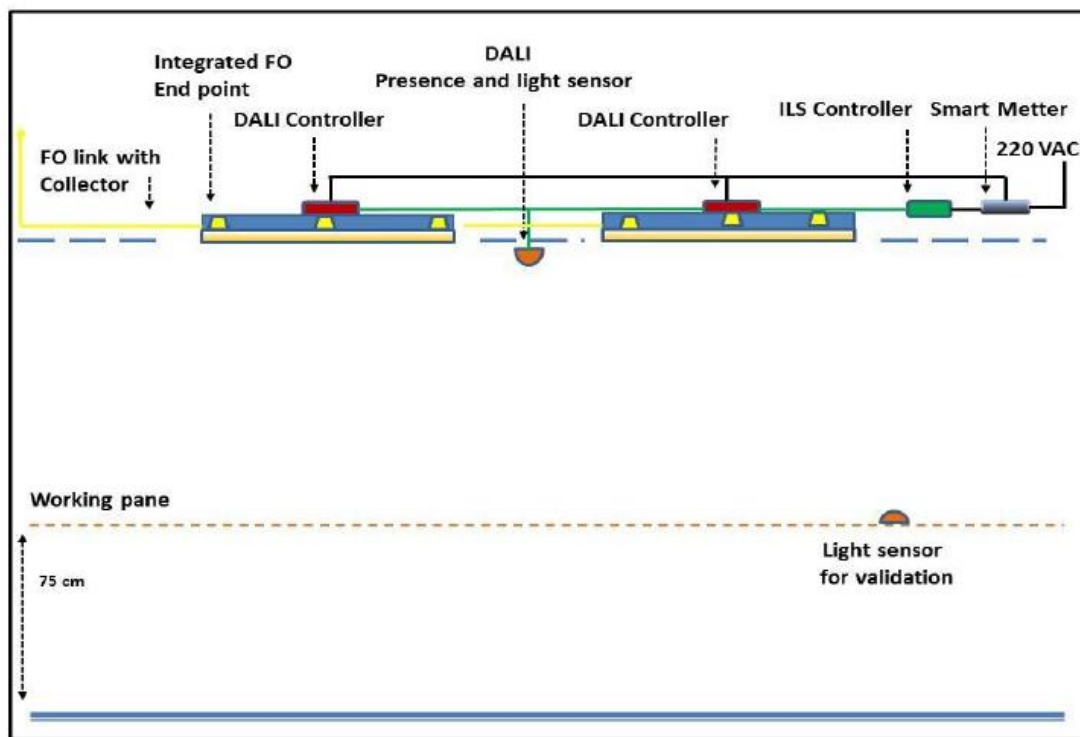


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■ Evaluación



■ Evaluación

Tipo de Día	Sistema de desarrollado	Referencia de consumo
Soleado	14kWh/m ²	24kWh/m ²
Parcialmente nublado	22kWh/m ²	24kWh/m ²
Nublado	25kWh/m ²	24kWh/m ²

Muchas gracias por su atención!



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