

Give us 1% of your roof  
and we'll provide you light  
on 100% of your floor.

That's smart daylight.

Optional:  
monitoring of  
performance and  
energy savings  
through patented  
technology.

Possibility to set up  
automatic and wireless  
**interaction** with your  
artificial lighting.

High insulation  
performance.

Active and intelligent  
technology to save  
energy up to **10 hours  
a day, 365 days long.**

### Smart daylight by LightCatcher.

Day in, day out, at least 20% of your energy bill goes to lighting.

And that adds up. Keen to stop those expenses instantly? **How?**  
By installing the **LightCatcher**, a **compact, intelligent light dome**  
using the ultimate daylight technology.

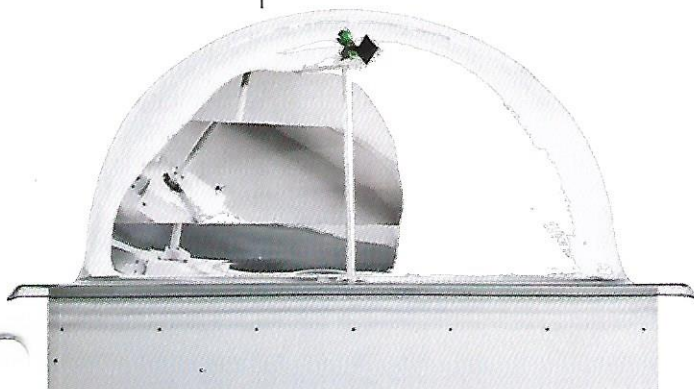
The LightCatcher catches, enhances and distributes sunshine into  
the building intelligently all day long. Its performance would  
replace up to **3,650 hours a year** of artificial light.

The LightCatcher technology includes **wireless interaction** with  
the artificial lighting (optional) and wireless, real-time energy usage  
monitoring (optional). It has proven profits both in Europe and  
beyond. In a nutshell, a technology for intelligent, carefree daylight.

The **LightCatcher brings daylight exactly where it is needed:** in  
the aisle between your shelving, right above your workspace or  
precisely on the shelves. Say goodbye to swirling light spots and  
annoying temperature fluctuations or light-induced heat. Our  
LightCatcher offers you intense light that is never disturbing.  
Appealing but never blinding.

### The LightCatcher benefits:

1. Optimal dissemination of natural, brightest daylight.
2. The prismatic lenses in the light shaft provide two static air layers for optimal thermal insulation.
3. Minimal temperature fluctuations under the LightCatcher.
4. Three to four times more efficient than traditional daylight systems.
5. The polycarbonate dome is installed with special screws by default. Once installed, the skylight cannot be opened.
6. Wide, weather-proof, impact resistant polycarbonate dome with superior UV coating to provide 100% UV resistance.
7. Reduce maintenance costs for lighting.
8. Warm shade, perfect colour-rendering and less eye fatigue.
9. Reduction of CO2 emissions: average from 10 ton to more than 30 ton annual reduction per 1,000m<sup>2</sup>.
10. Significant savings on electricity costs.
11. Natural light provides healthier work environment.
12. Singapore Green Building Council Certified.



Compact construction  
with 135 cm x 135 cm  
opening and 71kg in height

The most efficient way to spread  
natural daylight indoors, while  
eliminating the heat.

High efficiency, **short payback  
period** depending on local  
electricity charges and subsidy  
schemes.





# That's smart daylight.

## LightCatcher Awards.

Best Available Technology  
in Europe [2010-2012]

Top-10 nomination  
for EEP Award [2011]

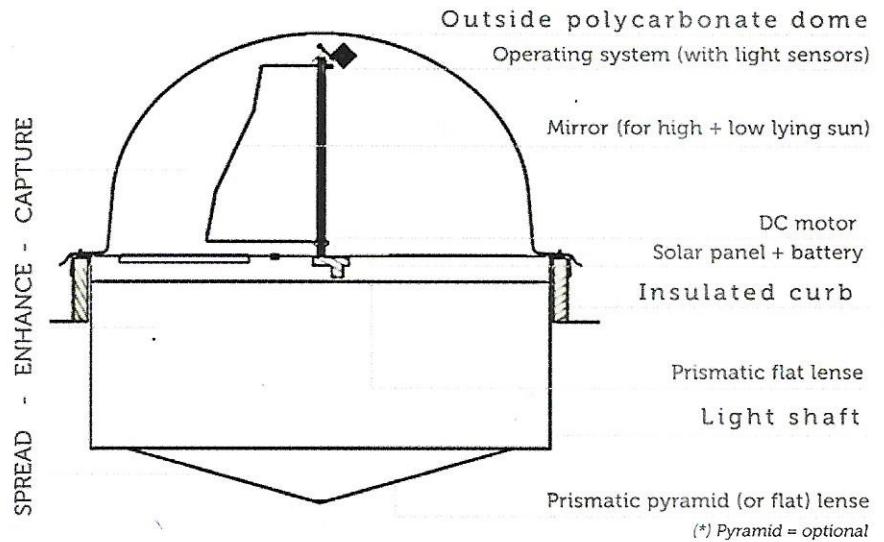


Top-14 nomination for  
Global Cleantech Award  
[2011, 'Green Buildings']

Singapore Green  
Building Council  
Certified [2012]



## LightCatcher set-up.



(\* Pyramid = optional)

## Efficiency table.\*

The table shows an easy way to  
estimate how many LightCatchers  
are needed for a building.

Choose the relevant ceiling height,  
choose your preferred light  
intensity (\*) and you immediately  
see how many square meters will  
be covered by one LightCatcher.

Please feel free to contact us for a  
customised LightCatcher profit  
calculation for your project.

(\*) E.g. 150 lux for warehouses, 250 lux for  
office space, 400 lux for retail stores.

The lux values indicate the average light  
intensity on 80cm above floor level on an  
average, slightly cloudy day.

		Ceiling height																			
		2,4m	3,0m	3,6m	4,2m	4,8m	5,4m	6,0m	6,6m	7,2m	7,8m	8,4m	9,0m	9,6m	10,2m	10,8m	11,4m	12,0m	12,6m	13,2m	
Desired light intensity	130 lux																		117m²	117m²	117m²
	150 lux													117m²	117m²	113m²	113m²	113m²	110m²	110m²	110m²
	170 lux								117m²	113m²	113m²	113m²	110m²	110m²	107m²	107m²	107m²	104m²	104m²	104m²	
	190 lux				117m²	117m²	113m²	113m²	110m²	107m²	107m²	107m²	104m²	104m²	101m²	101m²	101m²	98m²	98m²	98m²	
	210 lux	117m²	117m²	113m²	110m²	110m²	107m²	107m²	104m²	101m²	101m²	101m²	98m²	98m²	95m²	95m²	95m²	92m²	92m²	92m²	
	230 lux	110m²	110m²	107m²	104m²	104m²	101m²	101m²	98m²	95m²	95m²	95m²	92m²	92m²	89m²	89m²	88m²	86m²	86m²	86m²	
	250 lux	104m²	104m²	101m²	98m²	98m²	95m²	95m²	92m²	89m²	89m²	88m²	86m²	84m²	83m²	83m²	81m²	81m²	81m²	81m²	
	270 lux	98m²	98m²	95m²	92m²	92m²	89m²	89m²	86m²	83m²	83m²	81m²	81m²	78m²	78m²	78m²	75m²	75m²	75m²	75m²	
	290 lux	92m²	92m²	89m²	86m²	86m²	83m²	83m²	81m²	81m²	78m²	75m²	75m²	73m²	73m²	71m²	71m²	68m²	68m²	68m²	
	310 lux	86m²	86m²	83m²	82m²	81m²	81m²	78m²	75m²	75m²	73m²	71m²	71m²	68m²	67m²	65m²	63m²	63m²	63m²	63m²	
	330 lux	82m²	81m²	81m²	78m²	75m²	75m²	73m²	71m²	71m²	68m²	65m²	65m²	63m²	61m²	61m²	60m²	60m²	60m²	60m²	
	350 lux	78m²	75m²	75m²	73m²	72m²	71m²	68m²	65m²	65m²	63m²	61m²	61m²	60m²	59m²	59m²	58m²	58m²	58m²	58m²	
	370 lux	73m²	72m²	71m²	68m²	68m²	65m²	63m²	61m²	61m²	60m²	59m²	59m²	58m²	57m²	56m²	56m²	55m²	55m²	55m²	
	390 lux	71m²	68m²	65m²	63m²	63m²	61m²	60m²	59m²	59m²	58m²	57m²	56m²	55m²	55m²	53m²	53m²	52m²	52m²	52m²	
	400 lux	68m²	65m²	63m²	62m²	61m²	60m²	59m²	58m²	58m²	57m²	56m²	55m²	55m²	53m²	53m²	52m²	52m²	50m²	50m²	50m²
	410 lux	65m²	63m²	62m²	61m²	60m²	59m²	58m²	57m²	57m²	56m²	55m²	53m²	52m²	52m²	50m²	50m²	48m²	48m²	48m²	
	430 lux	62m²	61m²	60m²	59m²	58m²	57m²	56m²	55m²	55m²	53m²	52m²	50m²	48m²	46m²	46m²	46m²	44m²	44m²	44m²	
	450 lux	60m²	59m²	58m²	57m²	56m²	55m²	54m²	53m²	52m²	50m²	48m²	46m²	44m²							
	470 lux	58m²	57m²	56m²	55m²	54m²	53m²	52m²	50m²	48m²	46m²	44m²									
	490 lux	56m²	55m²	54m²	53m²	52m²	50m²	48m²	46m²	44m²											
510 lux	54m²	53m²	52m²	50m²	48m²	46m²	44m²														
530 lux	53m²	52m²	48m²	46m²	44m²																
550 lux	50m²	48m²	45m²	44m²																	
570 lux	46m²	44m²																			
590 lux	44m²																				

Example (see blue circles): If a warehouse is 10 m high and a light intensity of approx. 150 lux is needed, the table shows that one LightCatcher can cover a surface of 113 m².

\* Note: actual number of LightCatchers required will be based on drawings or site condition for final recommendation.

**LightCatcher®**  
Smart daylight by EcoNation



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