- Collect
- Transport
- Distribute



Three aims when using natural light

Collection



Three aims when using natural light

Collection







Images courtesy of Prof. B. Paule, Estia SA, Lausanne, Switzerland.

Three aims when using natural light

Collection





Three aims when using natural light

Collection



- Collection
- Transport









- Collection
- Transport



- Collection
- Transport





- Three aims when using natural light
 - Collection
 - Transport
 - Distribution

- Collection
- Transport
- Distribution



- with shading
 - diffuse daylight

Prismatic panels (→ 4.5)	And the second s	All climates	Vertical windows, skylights
Prisms and venetian blinds		Temperate climates	Vertical windows
Sun protecting mirror elements		Temperate climates	Skylights, glazed roofs
Anidolic zenithal opening $(\rightarrow 4.12, 4.13)$		Temperate climates	Skylights
Directional selective shading system with concentrat- ing Holo- graphic Optical Element (HOE) $(\rightarrow 4.11)$		All climates	Vertical windows, skylights, glazed roofs
Transparent shading system with HOE based on total reflection $(\rightarrow 4.11)$	5	Temperate climates	Vertical windows, skylights, glazed roofs

- with shading
 - diffuse daylight



Prismatic panels (→ 4.5)	And the second second	All climates	Vertical windows, skylights
Prisms and venetian blinds		Temperate climates	Vertical windows
Sun protecting mirror elements		Temperate climates	Skylights, glazed roofs
Anidolic zenithal opening $(\rightarrow 4.12, 4.13)$		Temperate climates	Skylights
Directional selective shading system with concentrat- ing Holo- graphic Optical Element (HOE) $(\rightarrow 4.11)$		All climates	Vertical windows, skylights, glazed roofs
Transparent shading system with HOE based on total reflection $(\rightarrow 4.11)$	50°	Temperate climates	Vertical windows, skylights, glazed roofs

- with shading
 - direct sunlight



Light guiding shade (→ 4.7)		Hot climates, sunny skies	Vertical windows above eye height
Louvres and blinds $(\rightarrow 4.4)$		All climates	Vertical windows
Light shelf for redirection of sunlight $(\rightarrow 4.3)$		All climates	Vertical windows
Glazing with reflecting profiles (Okasolar)	AT IN IN	Temperate climates	Vertical windows, skylights
Skylight with Laser Cut Panels (LCPs) $(\rightarrow 4.7)$	* *	Hot climates, sunny skies, low latitudes	Skylights
Turnable lamellas	12 1/2 1/2	Temperate climates	Vertical windows, skylights
Anidolic solar blinds $(\rightarrow 4.13)$		All climates	Vertical Windows

- with shading
 - direct sunlight

Light guiding shade $(\rightarrow 4.7)$		Hot climates, sunny skies	Vertical windows above eye height
Louvres and blinds $(\rightarrow 4.4)$		All climates	Vertical windows
Light shelf for redirection of sunlight $(\rightarrow 4.3)$		All climates	Vertical windows
Glazing with reflecting profiles (Okasolar)	्य स्तु स्तु स्तु स्तु	Temperate climates	Vertical windows, skylights
Skylight with Laser Cut Panels (LCPs) $(\rightarrow 4.7)$		Hot climates, sunny skies, low latitudes	Skylights
Turnable Iamellas	12 12 12	Temperate climates	Vertical windows, skylights
Anidolic solar blinds $(\rightarrow 4.13)$		All climates	Vertical Windows

- with shading
 - direct sunlight

	Light guiding shade $(\rightarrow 4.7)$		Hot climates, sunny skies	Vertical windows above eye height
	Louvres and blinds (→ 4.4)	titition and the second	All climates	Vertical windows
	Light shelf for redirection of sunlight $(\rightarrow 4.3)$		All climates	Vertical windows
	Glazing with reflecting profiles (Okasolar)	AT AT AT	Temperate climates	Vertical windows, skylights
	Skylight with Laser Cut Panels (LCPs) $(\rightarrow 4.7)$	*	Hot climates, sunny skies, low latitudes	Skylights
1	Turnable lamellas	12 12 12	Temperate climates	Vertical windows, skylights
	Anidolic solar blinds $(\rightarrow 4.13)$	Anitage Marine	All climates	Vertical Windows



- with shading
 - direct sunlight

Light guiding shade $(\rightarrow 4.7)$		Hot climates, sunny skies	Vertical windows above eye height
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Light shelf for redirection of sunlight $(\rightarrow 4.3)$		All climates	Vertical windows
Glazing with reflecting profiles (Okasolar)	AN AN AN	Temperate climates	Vertical windows, skylights
Skylight with Laser Cut Panels (LCPs) $(\rightarrow 4.7)$		Hot climates, sunny skies, low latitudes	Skylights
Turnable Iamellas	12 12 12	Temperate climates	Vertical windows, skylights
Anidolic solar blinds (→ 4.13)		All climates	Vertical Windows

Figure by MIT OCW.

Summer

Downward

Tilted

Winter

Upward

Tilted

- without shading
 - diffuse light guiding systems





- without shading
 - diffuse light guiding

Light shelf $(\rightarrow 4.3)$		Temperate climates, cloudy skies	Vertical windows
Anidolic Integrated System $(\rightarrow 4.12)$	Je and the second secon	Temperate climates	Vertical windows
Anidolic ceiling (→ 4.12)		Temperate climates, cloudy skies	Vertical facade above view- ing window
Fish System		Temperate climates	Vertical windows
Zenith light guiding elements with HOEs $(\rightarrow 4.10)$		Temperate climates, cloudy skies	Vertical windows (especially in court- yards), skylights
Laser Cut Panel (→ 4.6)		All climates	Vertical windows, skylights
Prismatic panels $(\rightarrow 4.5)$	and the second s	All climates	Vertical windows, skylights

- without shading
 - diffuse light guiding systems



- without shading
 - diffuse light guiding systems

Light shelf $(\rightarrow 4.3)$		Temperate climates, cloudy skies	Vertical windows
Anidolic Integrated System $(\rightarrow 4.12)$		Temperate climates	Vertical windows
Anidolic ceiling (→ 4.12)		Temperate climates, cloudy skies	Vertical facade above view- ing window
Fish System		Temperate climates	Vertical windows
Zenith light guiding elements with HOEs $(\rightarrow 4.10)$		Temperate climates, cloudy skies	Vertical windows (especially in court- yards), skylights
Laser Cut Panel (→ 4.6)		All climates	Vertical windows, skylights
Prismatic panels $(\rightarrow 4.5)$	and the second s	All climates	Vertical windows, skylights



- without shading
 - direct light guiding systems
 - light scattering/diffusing systems

HOEs in the skylight	All climates	Skylights
Sun- directing glass (→ 4.9)	All climates	Vertical windows, skylights
	All climates	Vertical Windows, skylights

- without shading
 - light transport systems



Day/sunlight redirecting systems

Bidirectional Transmission/Reflection Distribution Function

