

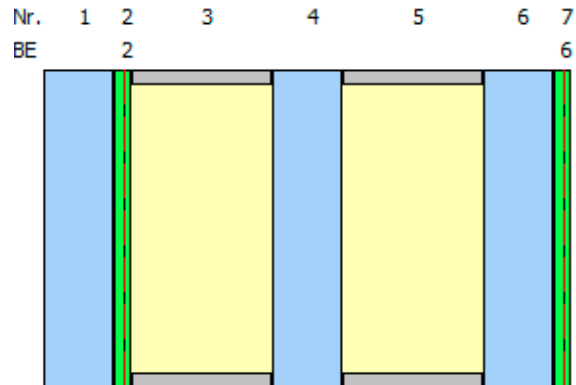
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	8,00
4		EUROFLOAT	4,00
5		90% Argon	8,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			28,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

$SC = 0,70$ (Shading Coefficient, g/0,87)

b-Faktor = 0,76 (VDI 2078, g/0,80)

$q_i = 0,08$ (secondary heat inside)

$g = 0,61$ (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

$U_g = 1,14 \text{ W/m}^2\text{K}$ (Heat transfer coefficient)
Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 $T_e = 5,00 \text{ }^\circ\text{C}$ $T_i = 20,00 \text{ }^\circ\text{C}$

$g_{th} = 0,007$ (Thermal radiation factor)

$g_c = 0,074$ (Convection factor)

$g_v = 0,000$ (Ventilation factor)

$E_s = 300,00 \text{ W/m}^2$ System height = 1,50 m

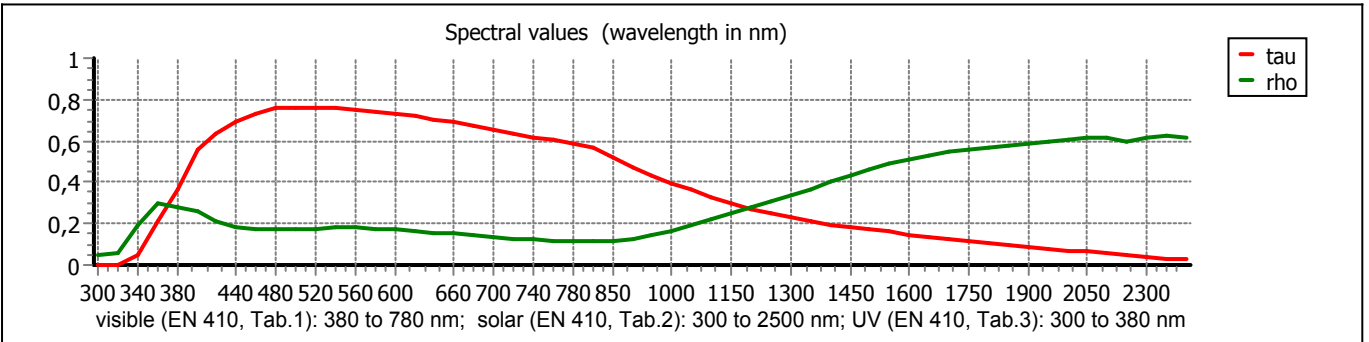
$h_{c,e} = 18,00 \text{ W/m}^2\text{K}$ $h_{c,i} = 3,60 \text{ W/m}^2\text{K}$

$q_i = 0,081$ (secondary heat inside)

$g_{tot} = 0,61$ (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U -value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

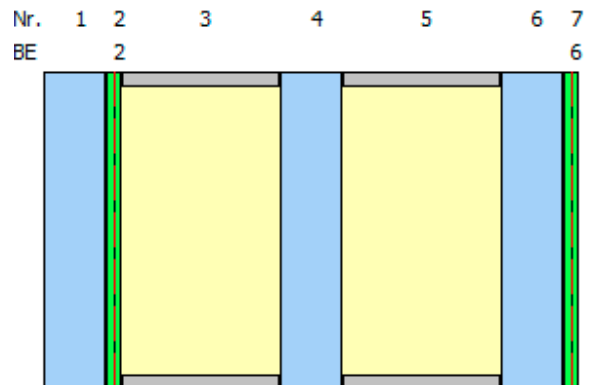
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	10,00
4		EUROFLOAT	4,00
5		90% Argon	10,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			32,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,70 (Shading Coefficient, g/0,87)

b-Faktor = 0,76 (VDI 2078, g/0,80)

$q_i = 0,08$ (secondary heat inside)

g = 0,61 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 1,02 W/m²K (Heat transfer coefficient)

Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,077 (Convection factor)

g_v = 0,000 (Ventilation factor)

E_s = 300,00 W/m² System height = 1,50 m

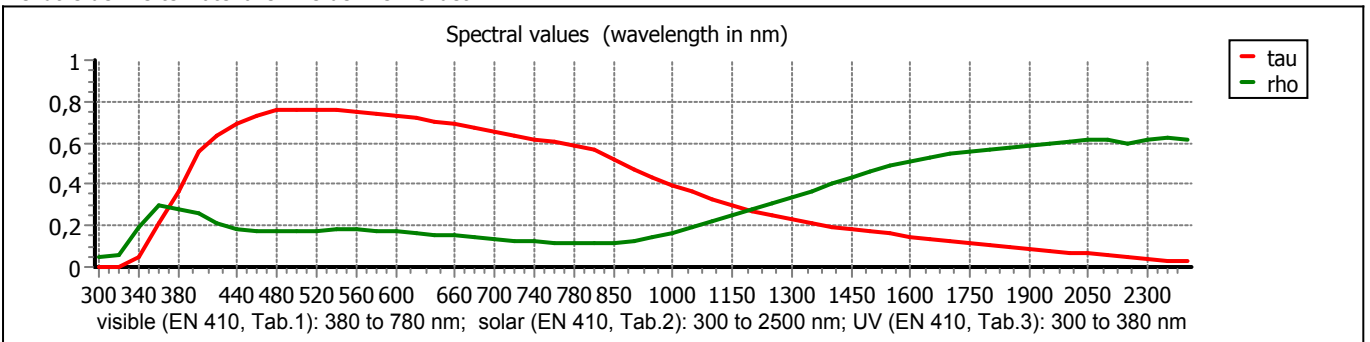
h_{c,e} = 18,00 W/m²K h_{c,i} = 3,60 W/m²K

$q_i = 0,084$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

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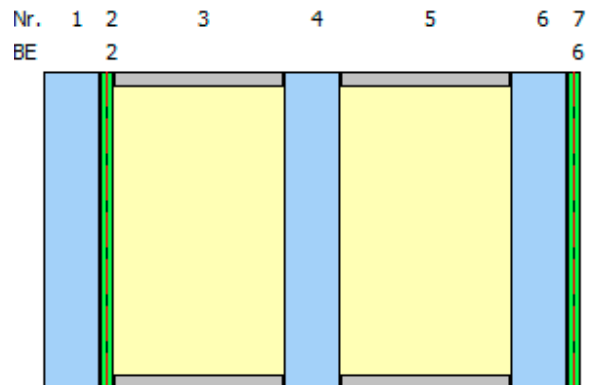
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	12,00
4		EUROFLOAT	4,00
5		90% Argon	12,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			36,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,70 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,61 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,94 W/m²K (Heat transfer coefficient)

Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 $T_e = 5,00$ °C $T_i = 20,00$ °C

$g_{th} = 0,007$ (Thermal radiation factor)

$g_c = 0,079$ (Convection factor)

$g_v = 0,000$ (Ventilation factor)

$E_s = 300,00$ W/m² System height = 1,50 m

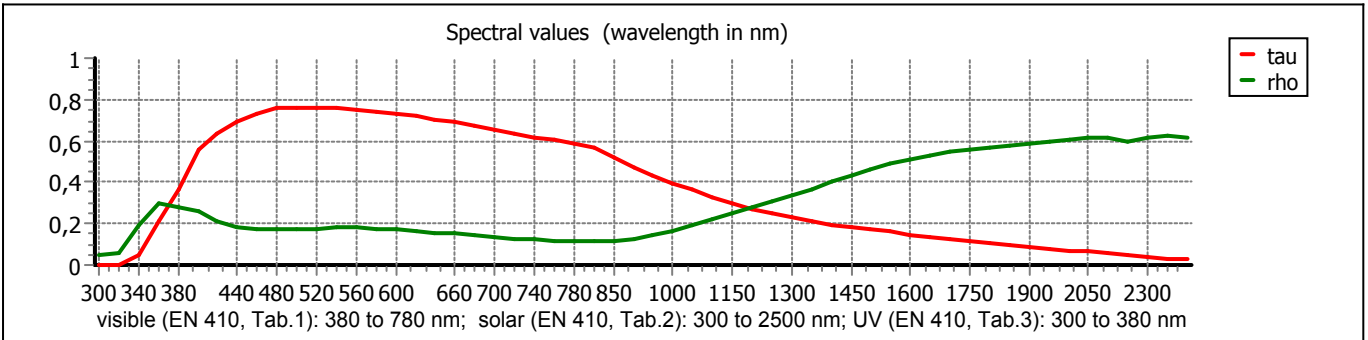
$h_{c,e} = 18,00$ W/m²K $h_{c,i} = 3,60$ W/m²K

$q_i = 0,087$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

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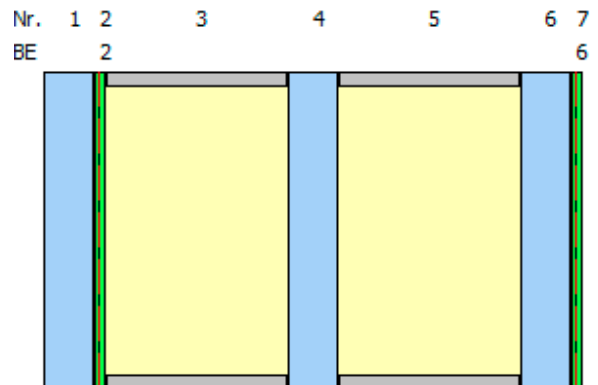
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	14,00
4		EUROFLOAT	4,00
5		90% Argon	14,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			40,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,71 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,61 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,87 W/m²K (Heat transfer coefficient)
Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,081 (Convection factor)

g_v = 0,000 (Ventilation factor)

E_s = 300,00 W/m² System height = 1,50 m

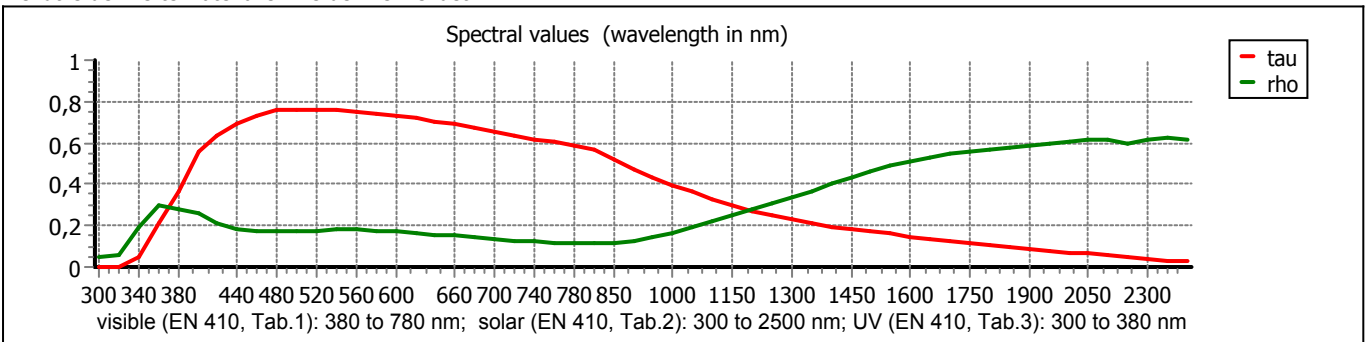
h_{c,e} = 18,00 W/m²K h_{c,i} = 3,60 W/m²K

$q_i = 0,088$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

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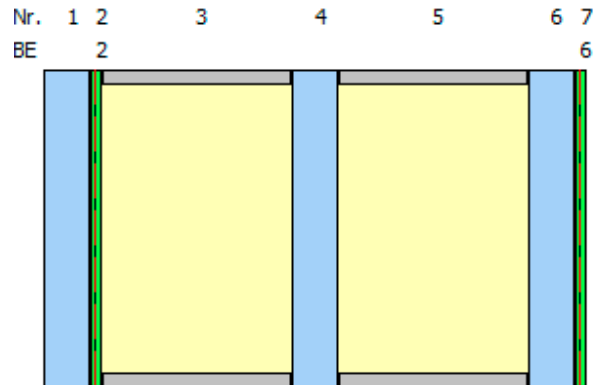
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	16,00
4		EUROFLOAT	4,00
5		90% Argon	16,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			44,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,71 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,62 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,81 W/m²K (Heat transfer coefficient)
Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,082 (Convection factor)

g_v = 0,000 (Ventilation factor)

E_s = 300,00 W/m² System height = 1,50 m

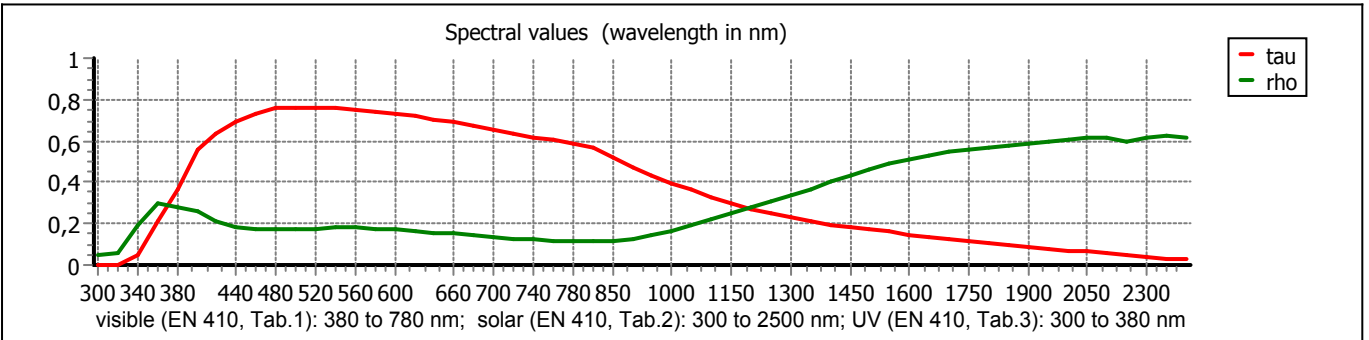
h_{c,e} = 18,00 W/m²K h_{c,i} = 3,60 W/m²K

$q_i = 0,089$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

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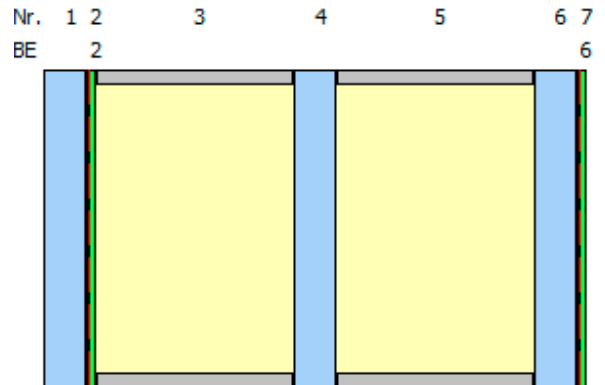
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	18,00
4		EUROFLOAT	4,00
5		90% Argon	18,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			48,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,71 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,62 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,81 W/m²K (Heat transfer coefficient)
Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,079 (Convection factor)

g_v = 0,000 (Ventilation factor)

E_s = 300,00 W/m² System height = 1,50 m

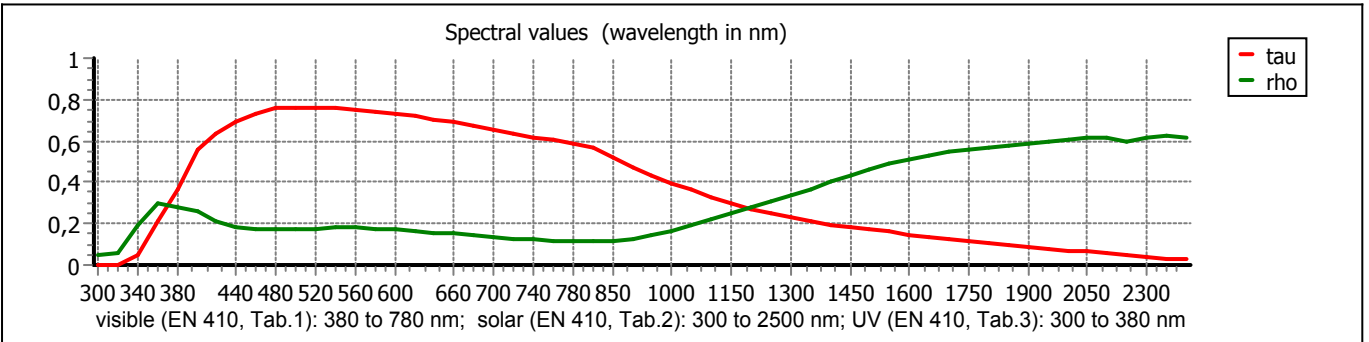
h_{c,e} = 18,00 W/m²K h_{c,i} = 3,60 W/m²K

$q_i = 0,086$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

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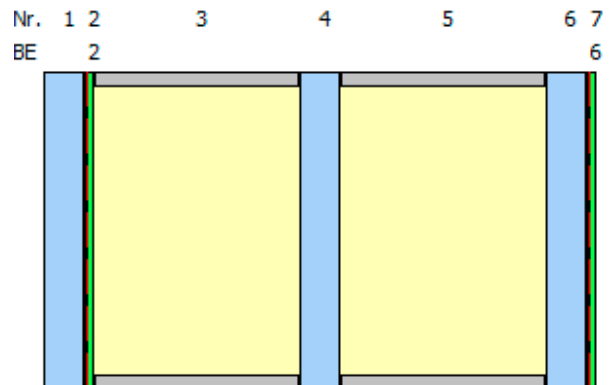
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	20,00
4		EUROFLOAT	4,00
5		90% Argon	20,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			52,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,71 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,62 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,81 W/m²K (Heat transfer coefficient)

Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,079 (Convection factor)

g_v = 0,000 (Ventilation factor)

E_s = 300,00 W/m² System height = 1,50 m

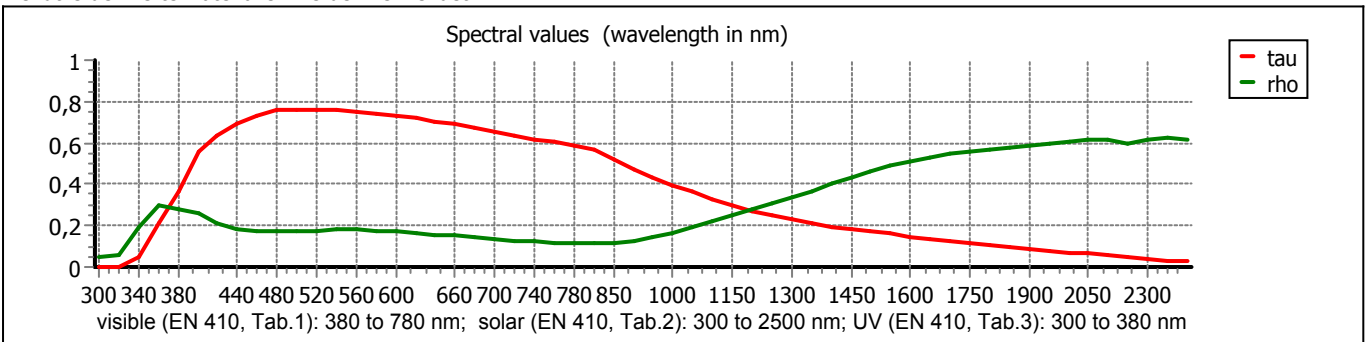
h_{c,e} = 18,00 W/m²K h_{c,i} = 3,60 W/m²K

$q_i = 0,086$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

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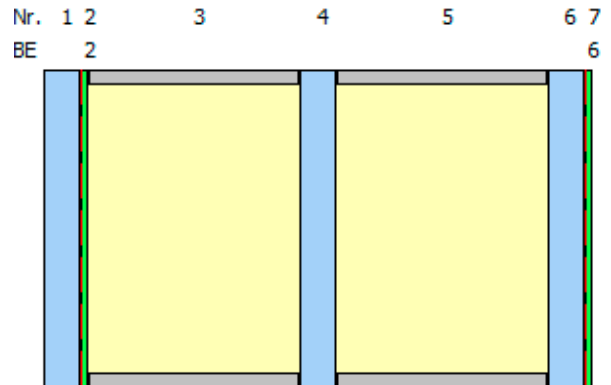
Calculation SommerGlobal

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	22,00
4		EUROFLOAT	4,00
5		90% Argon	22,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			56,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,71 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,62 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,82 W/m²K (Heat transfer coefficient)
Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,079 (Convection factor)

g_v = 0,000 (Ventilation factor)

E_s = 300,00 W/m² System height = 1,50 m

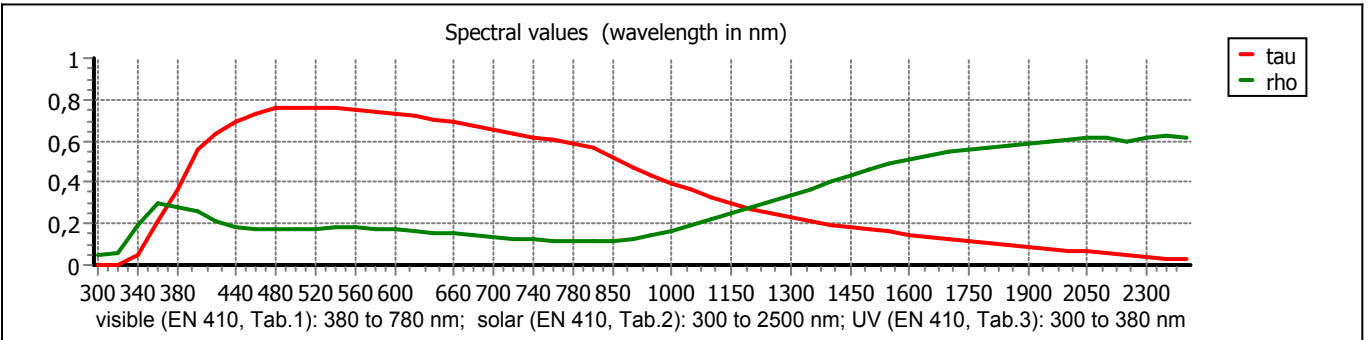
h_{c,e} = 18,00 W/m²K h_{c,i} = 3,60 W/m²K

$q_i = 0,086$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Attention, the representation of the U_g value is not standard compliant. According to EN 1279-5 multi-pane insulating glass - Part 5: Conformity assessment, the U_g value according to EN 673 is to be calculated. According to 9.1 of this standard, the calculated U-value must be rounded to one decimal place. The U_w value of a window is according to EN ISO 10077-1 et al. calculated from the U_g value of the glazing.

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

ift-certified It. validation report no. 410 42167 (status as of 11/2009)

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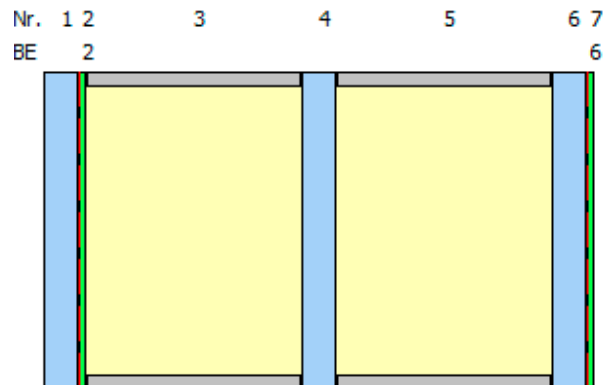
Calculation SommerGlobal 3times

Project: 2020_10_29

Position: 05

Layer composition (outside to inside)

Number	BE	Description	mm
1		EUROFLOAT	4,00
2	2	Silverstar E 2019 *	
3		90% Argon	24,00
4		EUROFLOAT	4,00
5		90% Argon	24,00
6		EUROFLOAT	4,00
7	6	Silverstar E 2019 *	
* USERDEFINED			60,00



Transmission, reflexion, absorption

$\rho_v = 0,17$ (Light reflection factor outside)

$\rho'_v = 0,17$ (Light reflection factor inside)

$\rho_e = 0,21$ (direct radiation reflection factor outside)

$\rho'_e = 0,23$ (direct radiation reflection factor inside)

α_e 1 = 0,14; 3 = 0,05; 5 = 0,07 (direct radiation absorption factor)

$T_{UV} = 0,16$ (ultraviolet transmittance)

$T_v = 0,75$ (Light transmission)

$T_e = 0,53$ (direct radiation transmission factor)

$R_a = 97$ (general color rendering index (CRI))

EN 410

SC = 0,71 (Shading Coefficient, g/0,87)

b-Faktor = 0,77 (VDI 2078, g/0,80)

$q_i = 0,09$ (secondary heat inside)

g = 0,61 (Total energy transmission factor)

EN 673 Installation angle = 90° vertical

U_g = 0,8 W/m²K (Heat transfer coefficient)
Corrected emissivity according to EN 12898:2019

EN ISO 52022-3 T_e = 5,00 °C T_i = 20,00 °C

g_{th} = 0,007 (Thermal radiation factor)

g_c = 0,078 (Convection factor)

g_v = 0,000 (Ventilation factor)

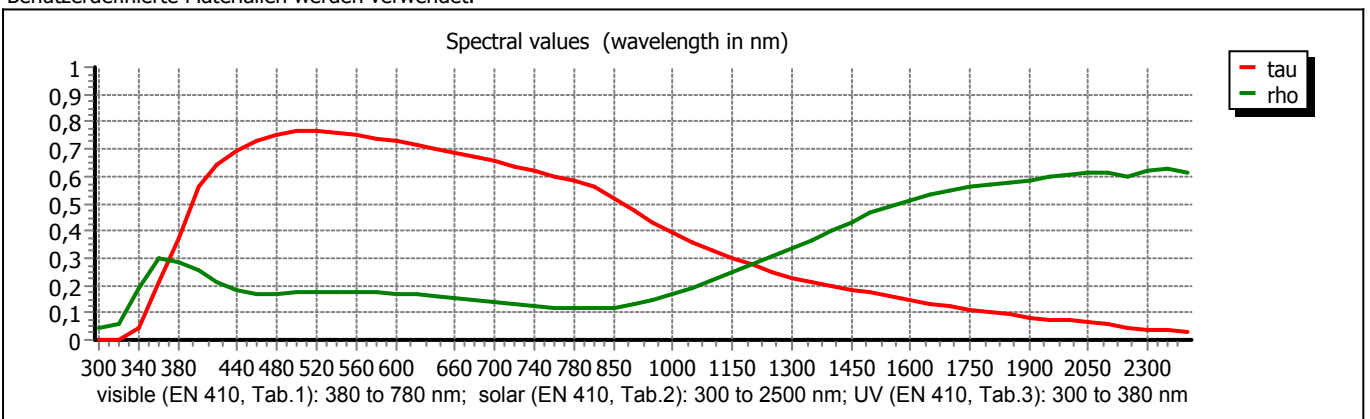
E_s = 300,00 W/m² System height = 1,50 m

h_{c,e} = 18,00 W/m²K **h_{c,i}** = 3,60 W/m²K

$q_i = 0,085$ (secondary heat inside)

g_{tot} = 0,61 (Total energy transmission factor)

Benutzerdefinierte Materialien werden verwendet.



Fluctuations of light and radiation technical values for the chemical composition of glass and manufacturing process possible. Function values take into account the permitted tolerances according to the product standards. The calculation-result does not give information about the technical practicability of this construction. We point out that the calculations were created on the basis of the manufacturers' spectral data. The company Sommer Informatik GmbH assumes no liability for the integrity of the manufacturers' data. For the declaration of performance the manufacturers' data placed at the disposal has to be confirmed separately.

EN 410, EN 673, EN ISO 52022-3, EN 12898:2019

ift-certified It. validation report no. 410 42167 (status as of 11/2009)

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