

Anhang B (informativ) Eingabedaten

Tabelle 10 Eingabedaten; die Eingabedaten sind unter www.energytools.ch als Excel-Datei verfügbar

| Raumnutzung | | Raumabmessungen | | | | Bauphysikalische Eigenschaften | | | | | | | | | | | | Raumklima Auslegungskriterien | | | | Raumakustik SIA 181 | | Personen | | Geräte | | | | | | | |
|-------------|--------------------------------|-----------------|-----------|----------|-------------------------------|--------------------------------|--------------------------------------|------------------------------|----------------------|-----------------------|--|---|--|--|-----------------------------------|--------------------|--------------------------|----------------------------------|---|----------------|----------------|------------------------|-----------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------|------------------|------------------|-----|-----|-----|----|
| SIA 2024 | Bezeichnung | Raumlänge | Raumtiefe | Raumhöhe | Thermische Gebäudevolumfläche | Glasanteil | Abminderungsfaktor für Fensterrahmen | Fensteranteil, Bruttofassade | U-Wert Fenster | U-Wert opake Bauteile | Gesamtennergiedurchlassgrad Verglasung | Gesamtennergiedurchlassgrad Verglasung und Sonnenschutz | Lichttransmissionsgrad Reduktionsfaktor solare Wärmeeinträge | Strahlungsleistung für Betätigung Sonnenschutz | Wärmespeicherfähigkeit des Raumes | Raumlufttemperatur | Relative Raumluftfeuchte | Lärmempfindlichkeit | Beurteilungspegel für Geräusche haustechnischer Anlagen | Nachhallzeit | Personenfläche | Aktivitätsgrad | Wärmeeintrag der Bekleidung | Feuchtequellen (ohne Personen) | Elektrische Leistung der Geräte | Wärmeeintragsleistung der Geräte | Leistung ausserhalb der Nutzungszeit | | | | | | |
| Nr. | | m | m | m | m ² | % | - | % | W/(m ² K) | W/(m ² K) | W/(m ² K) | W/(m ² K) | W/(m ² K) | W/m ² | Wh/(m ² K) | °C | % | dB(A) | s | m ² | met | clo | clo | g/(h·m ²) | W/m ² | W/m ² | W/m ² | W/m ² | W/m ² | % | | | |
| 1.1 | Wohnen MFH | 4.0 | 5.0 | 2.5 | 26 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 30 | 1.2 | 0.5 | 1.0 | 0.5 | 8 | 4 | 10 | 8 | 4 | 10 | 10 |
| 1.2 | Wohnen EFH | 4.0 | 5.0 | 2.5 | 38 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 50 | 1.2 | 0.5 | 1.0 | 0.5 | 8 | 4 | 10 | 8 | 4 | 10 | 10 |
| 2.1 | Hotelzimmer | 4.0 | 5.0 | 2.5 | 26 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 15 | 1.2 | 0.5 | 1.0 | 0.5 | 8 | 4 | 10 | 8 | 4 | 10 | 10 |
| 2.2 | Empfang, Lobby | 12.0 | 12.0 | 4.0 | 113 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 35 | 0.9 | 5 | 1.2 | 0.5 | 1.0 | 0.5 | 7 | 3 | 15 | 7 | 3 | 15 | 10 |
| 3.1 | Einzel-, Gruppenbüro | 6.0 | 6.0 | 3.0 | 42 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 14 | 1.2 | 0.5 | 1.0 | 0.5 | 7 | 3 | 15 | 7 | 3 | 15 | 10 |
| 3.2 | Grossraumbüro | 12.0 | 12.0 | 3.0 | 127 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 33 | 0.8 | 10 | 1.2 | 0.5 | 1.0 | 0.5 | 10 | 4 | 19 | 10 | 4 | 19 | 10 |
| 3.3 | Sitzungszimmer | 6.0 | 6.0 | 3.0 | 42 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 30 | 0.6 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 3.4 | Schalterhalle, Empfang | 12.0 | 12.0 | 4.0 | 113 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 35 | 0.9 | 12 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 1.5 | 9.5 | 4 | 1.5 | 9.5 | 10 |
| 4.1 | Schulzimmer | 10.0 | 7.0 | 3.0 | 95 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 30 | 0.6 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 2 | 6 | 4 | 2 | 6 | 10 |
| 4.2 | Lehrerzimmer | 6.0 | 6.0 | 3.0 | 64 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 30 | 0.6 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 2 | 6 | 4 | 2 | 6 | 10 |
| 4.3 | Bibliothek | 12.0 | 12.0 | 3.0 | 127 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 28 | 0.8 | 5 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 4.4 | Hörsaal | 12.0 | 12.0 | 3.0 | 127 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 30 | 0.7 | 2 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 2 | 6 | 4 | 2 | 6 | 10 |
| 4.5 | Schulachraum (Spezialraum) | 10.0 | 7.0 | 3.0 | 95 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | gering | 30 | 0.8 | 5 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 1.5 | 9.5 | 4 | 1.5 | 9.5 | 10 |
| 5.1 | Lebensmittelverkauf | 20.0 | 20.0 | 4.0 | 376 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | | 40 | 1.0 | 8 | 1.2 | 0.5 | 1.0 | 0.5 | 100 | 80 | 120 | -10 | -8 | -12 | 20 |
| 5.2 | Fachgeschäft | 20.0 | 20.0 | 4.0 | 376 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | | 40 | 1.0 | 8 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 5.3 | Verkauf Möbel, Bau, Garten | 20.0 | 20.0 | 4.0 | 376 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | | 35 | 1.0 | 15 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 6.1 | Restaurant | 12.0 | 12.0 | 3.0 | 169 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 35 | 0.9 | 2 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 6.2 | Selbstbedienungsrestaurant | 20.0 | 20.0 | 3.0 | 282 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 40 | 1.1 | 2 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 6.3 | Küche zu Restaurant | 6.0 | 6.0 | 3.0 | 64 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 50 | 0.7 | 5 | 2 | 0.5 | 1.0 | 10 | 200 | 150 | 250 | 200 | 150 | 250 | 10 |
| 6.4 | Küche zu Selbstbedienungsrest. | 12.0 | 12.0 | 3.0 | 127 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 50 | 0.8 | 5 | 2 | 0.5 | 1.0 | 10 | 200 | 150 | 250 | 200 | 150 | 250 | 10 |
| 7.1 | Vorstellungsraum | 20.0 | 20.0 | 7.0 | 494 | 0 | 0.75 | 0 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | 30 | 30 | 1.2 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 7.2 | Mehrzweckhalle | 20.0 | 20.0 | 7.0 | 494 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | 30 | 30 | 1.2 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 2 | 6 | 4 | 2 | 6 | 10 |
| 7.3 | Ausstellungshalle | 20.0 | 20.0 | 7.0 | 494 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | 30 | 30 | 1.2 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 7 | 3 | 15 | 7 | 3 | 15 | 10 |
| 8.1 | Bettzimmer | 6.0 | 6.0 | 2.5 | 35 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 15 | 1.2 | 0.5 | 1.0 | 0.5 | 4 | 2 | 6 | 4 | 2 | 6 | 10 |
| 8.2 | Stationszimmer | 6.0 | 6.0 | 3.0 | 21 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 3 | 1.2 | 0.5 | 1.0 | 0.5 | 7 | 3 | 15 | 7 | 3 | 15 | 10 |
| 8.3 | Behandlungsraum | 6.0 | 6.0 | 3.0 | 42 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | mittel | 25 | 0.6 | 5 | 1.2 | 0.5 | 1.0 | 0.5 | 20 | 10 | 30 | 20 | 10 | 30 | 10 |
| 9.1 | Produktion (grobe Arbeit) | 20.0 | 20.0 | 7.0 | 494 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 1.2 | 15 | 2 | 0.5 | 1.0 | 10 | 10 | 5 | 15 | 10 | 5 | 15 | 20 | 10 |
| 9.2 | Produktion (feine Arbeit) | 20.0 | 20.0 | 7.0 | 494 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 1.2 | 15 | 1.2 | 0.5 | 1.0 | 10 | 10 | 5 | 15 | 10 | 5 | 15 | 20 | 10 |
| 9.3 | Laborraum | 10.0 | 7.0 | 4.0 | 127 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 60 | | 0.8 | 15 | 1.2 | 0.5 | 1.0 | 10 | 20 | 15 | 25 | 20 | 15 | 25 | 20 | 10 |
| 10.1 | Lagerhalle | 20.0 | 20.0 | 7.0 | 494 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 40 | 1.2 | 40 | 2 | 0.5 | 1.0 | | | | | | | | 10 |
| 11.1 | Turnhalle | 30.0 | 20.0 | 7.0 | 659 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 45 | 2.0 | 20 | 3 | 0.3 | 0.3 | | | | | | | | 10 |
| 11.2 | Fitnessraum | 12.0 | 12.0 | 3.0 | 127 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 26.0 | 70 | | 45 | 0.9 | 10 | 3 | 0.3 | 0.3 | | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 11.3 | Schwimmhalle | 20.0 | 20.0 | 7.0 | 494 | 50 | 0.75 | 50.38 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 30.0 | 65 | | 45 | 1.8 | 10 | 1.2 | 0.1 | 0.1 | 10 | 2 | 1 | 3 | 2 | 1 | 3 | 10 |
| 12.1 | Verkehrsfläche | 2.0 | 10.0 | 2.5 | 6 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 18.0 | | | 40 | 0.7 | | 1.2 | 1.0 | | | | | | | | 0 | |
| 12.2 | Verkehrsfläche 24 h | 2.0 | 10.0 | 2.5 | 6 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 18.0 | | | 40 | 0.7 | | 1.2 | 0.5 | 1.0 | | | | | | | 0 | |
| 12.3 | Treppenhaus | 2.0 | 10.0 | 2.5 | 6 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 18.0 | | | 40 | 0.7 | | 1.2 | 1.0 | | | | | | | | 0 | |
| 12.4 | Nebenraum | 4.0 | 5.0 | 2.5 | 12 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 18.0 | | | 50 | | | 1.2 | 1.0 | | | | | | | | 0 | |
| 12.5 | Küche, Teeküche | 4.0 | 5.0 | 2.5 | 12 | 30 | 0.75 | 30.23 | 1.2 | 0.9 | 1.5 | 0.17 | 0.1 | 0.8 | 0.5 | 0.50 | 20.0 | | | 45 | 0.6 | 2 | 1.2 | 1.0 | 10 | 40 | 30 | 50 | 40 | | | | |