

Natural Lighting

Thermal broken profile

BLUESTEEL RPT FIX



NATURAL
LIGHTING

BLUETEK

- Saves energy by letting in natural light through the roof
- Wide range of efficient infill solutions available
- Reduces heat loss thanks to improved upstand insulation



RPT



Bluesteel RPT Fix

Standards and requirements



EN 1873

Characteristics

Urc: 1.2 W/m².K (200/200, straight, 350 mm high, BSL)

- **Arc = 7.8 m²**
- **AP = 1.25 m³/h/m**
- **I4: 0.15 m³/h/m**
- 20 mm opal cellular PC (PCA) infill
- Straight upstand, 350 mm high, insulated, 30 mm, bitumen-treated
- Fixed frame in aluminium profile that creates a thermal barrier
- Seal on the perimeter of the upstand

Natural Lighting | Thermal broken profile

BLUESTEEL RPT FIX

Technical characteristics

1

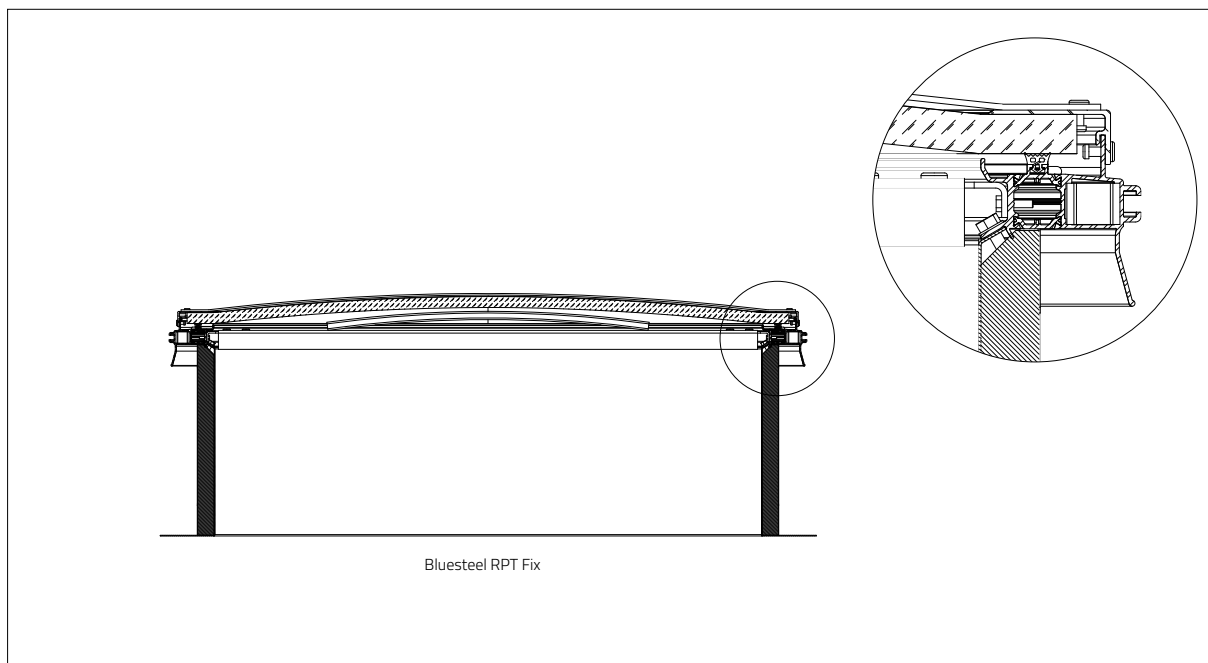
Dimensions		Performance
Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening) W x L in cm	U _{rc} (W/m².K)*
50/50	50 x 50	1.4 to 1.6
60/60	60 x 60	
70/70	70 x 70	
80/80	80 x 80	
90/90	90 x 90	
100/100	100 x 100	
110/110	110 x 110	
120/120	120 x 120	
130/130	130 x 130	
140/140	140 x 140	
150/150	150 x 150	
160/160	160 x 160	
170/170	170 x 170	
180/180	180 x 180	
190/190	190 x 190	
200/200	200 x 200	
50/100	50 x 100	
70/100	70 x 100	
80/130	80 x 130	
100/140	100 x 140	
100/150	100 x 150	
100/200	100 x 200	
120/140	120 x 140	
120/160	120 x 160	
120/170	120 x 170	
120/180	120 x 180	
120/200	120 x 200	
120/220	120 x 220	
120/240	120 x 240	
120/250	120 x 250	
120/300	120 x 300	
140/160	140 x 160	
140/200	140 x 200	
140/250	140 x 250	
140/300	140 x 300	
150/200	150 x 200	
150/250	150 x 250	
150/300	150 x 300	
160/200	160 x 200	
160/250	160 x 250	
160/300	160 x 300	
180/250	180 x 250	
180/280	180 x 280	
180/300	180 x 300	
200/250	200 x 250	
200/300	200 x 300	

* Performance with a 350 mm high device, 20 mm cellular PC (PCA)

Natural Lighting | Thermal broken profile

BLUESTEEL RPT FIX

Sectional view



EFFICIENT SOLUTIONS

BSL (luminous sun-shading system)

- Reduces **sun factor** by 35%*
- Improves the **thermal performance** of the skylight
- Cuts glare and light marks on the floor
- Available in clear and opal



Pearl Inside

- Improves acoustic **performance**
Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC (PCA) concept with incorporated glass microbeads
- Crystalline effect for **an incomparable** aesthetic



Dome screen

- Aesthetic **fixed shading**
- Eliminates the greenhouse effect with protection separated from the glazing
- Protects from sunlight in the summer and lets in warmth in the winter with an optimised orientation system



* compared to 16 mm opal cellular PC (PCA)

Natural Lighting | Thermal broken profile

BLUESTEEL RPT FIX

Infills

20 mm cellular PC (PCA)

20 mm cellular polycarbonate
Available in opal (standard) ,clear, Calor Control

32 mm cellular PC (PCA)

32 mm cellular polycarbonate
Available in opal, clear, Calor Control

Accessories and Options



GRIDDLE

Fixed 15x15 mm, 1200-joule steel



GRILLE

Round fixed in 1200-joule steel



STRAIGHT UPSTAND

Heights 350 (standard) 420, 500 mm



PVC WATERPROOFING

- Non-bituminous insulation
- Non-bituminous insulation with optional colaminated plate
- Non-bituminous insulation with optional galvanised plate



PAINTING

The upstand, grille or griddle can be painted in standard RAL shades



RAL 9010



RAL 9005



Natural ventilation

Thermal broken profile



RPT

BLUESTEEL RPT AIR (ELECTRIC, PNEUMATIC, MANUAL)



NATURAL
LIGHTING



VENTILATION

BLUETEK

- Natural ventilation to renew the air by day or by night
- Wide range of efficient infill solutions available
- Reduces heat loss thanks to improved upstand insulation



Bluesteel RPT Air Electric

CONTROL

- electric, 230 V COSY type
- pneumatic, OXY type
- manual, VILBREQUIN type

Standards and requirements



EN 1873

Characteristics

Urc: 1.3 W/m².K (190/190, straight, 350 mm high, BSL)

■ **Arc = 7.4 m²**

■ **AP = 0.45 m³/h/m**

■ **I4: 0.05 m³/h/m**

- 20 mm opal cellular PC (PCA) infill
- Straight upstand, 350 mm high, insulated, 30 mm, bitumen-treated
- Opening frame and fixed frame in aluminium thermal broken profile
- Seal on the perimeter of the upstand
- 300 mm stroke

Natural ventilation | Thermal broken profile

BLUESTEEL RPT AIR (ELECTRIC, PNEUMATIC, MANUAL)

Technical characteristics

1

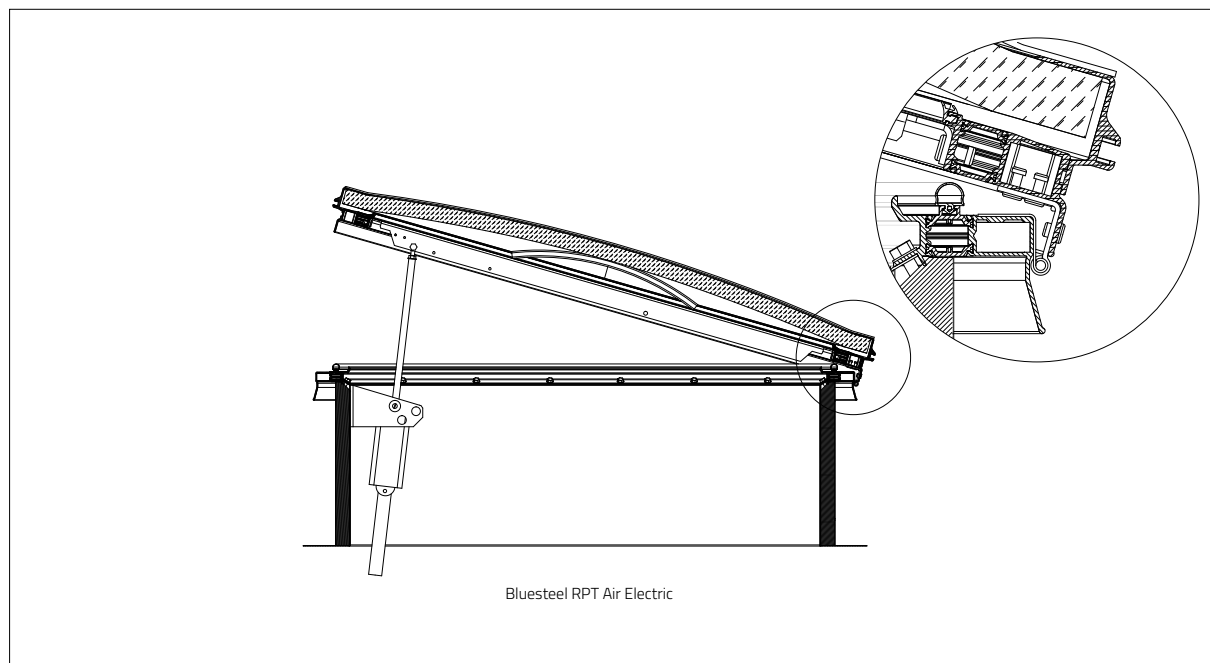
Dimensions**		Elec				Pneu	Performances
Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening) W x L in cm	Tension (V)	Intensity (A)		IP	Pressure (bar) 300 ou 500 course	Urc (W/m².K)*
			300	500			
80/80	80 x 80	230	0.6	0.92	IP 54	6	1.6
90/90	90 x 90						
100/100	100 x 100						
110/110	110 x 110						
120/120	120 x 120						
130/130	130 x 130						
140/140	140 x 140						
150/150	150 x 150						
160/160	160 x 160						
170/170	170 x 170						
180/180	180 x 180						
190/190	190 x 190						
80/130	80 x 130						
100/140	100 x 140						
100/150	100 x 150						
100/200	100 x 200						
120/140	120 x 140						
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120/170	120 x 170						
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* Performance with 350 mm high device, 20 mm cellular PC (PCA)
** Depending on the infill, not all the dimensions are available

Natural ventilation | Thermal broken profile

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Sectional view



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* compared to 16 mm opal cellular PC (PCA)

Natural ventilation | Thermal broken profile

BLUESTEEL RPT AIR (ELECTRIC, PNEUMATIC, MANUAL)

Infills

Accessories & options | 7
p 1 to 4

- 20 mm cellular PC (PCA)

20 mm cellular polycarbonate
Available in opal (standard), clear, Calor Control
- 32 mm cellular PC (PCA)

32 mm cellular polycarbonate
Available in opal, clear, Calor Control
- INSULATED ALUMINIUM COVER

Standard
Acoustic (35 dB) insulated aluminium cover

Accessories and Options

Accessories & options | 7
p 5 to 18

- GRIDDLE

Fixed 15x15 mm, 1200-joule steel
- GRILLE

Round fixed in 1200-joule steel
- STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm
- BITUMINOUS WATERPROOFING

- (by default)
- PVC

PVC WATERPROOFING

- Non-bituminous insulation

- Non-bituminous insulation with optional colaminated plate

- Non-bituminous insulation with optional galvanised plate
- STROKE

-300 (by default)

-500 (in option)
- PAINING

The upstand, grille, griddle or underside of the aluminium cover can be painted in standard RAL shades

RAL 9010

RAL 9005
- adexsi

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- 2022

Roof access

Thermal broken profile

BLUESTEEL RPT PASS



RPT



NATURAL
LIGHTING



ROOF
ACCESS

BLUETEK

- Easier roof access thanks to the access bar on the roof
- Interior opening with latch, exterior opening with handle
- Wide range of efficient infill solutions available
- Reduces heat loss thanks to improved upstand insulation



Standards and requirements



EN 1873

Characteristics

Urc: 1.3 W/m².K (130/130, straight, 350 mm high, BSL)

■ **Arc = 4.3 m²**

■ **AP = PND***

■ **I4: PND***

■ 20 mm opal cellular PC (PCA) infill

■ Straight upstand, 350 mm high, insulated, 30 mm, bitumen-treated

■ Opening frame and fixed frame in aluminium thermal broken profile

■ Seal on the perimeter of the upstand

**PND: performance not determined*

Roof access | Thermal broken profile

BLUESTEEL RPT PASS

Technical characteristics

1

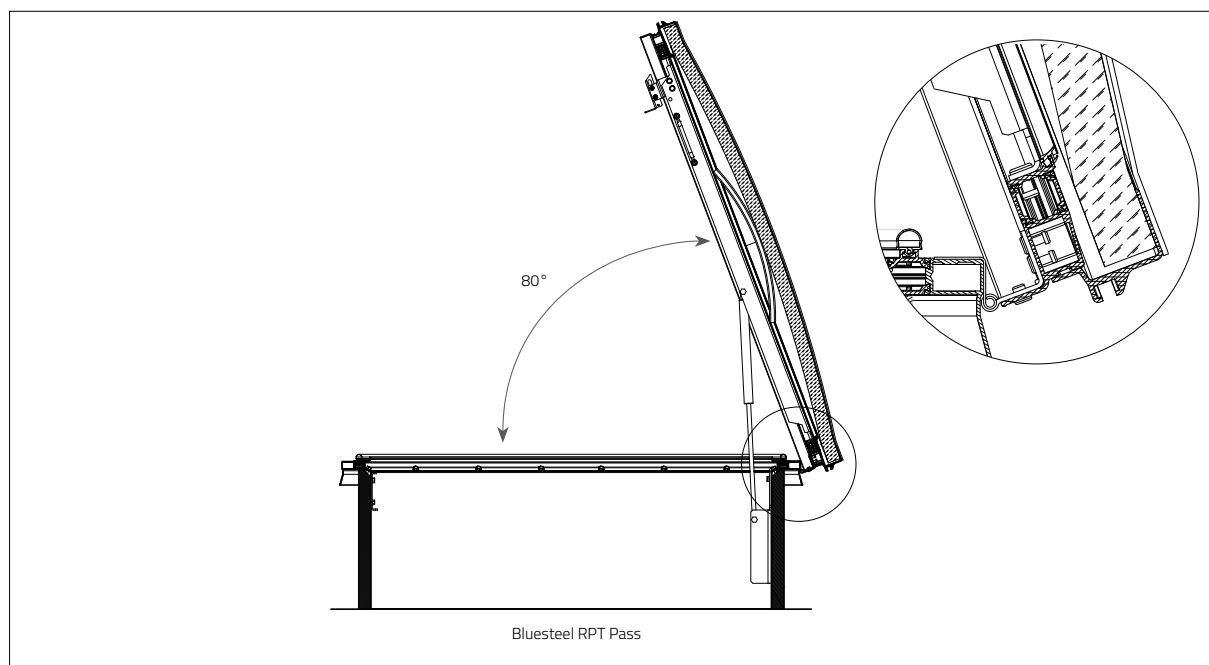
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* Performance with 350 mm high device, 20 mm cellular PC

Roof access | Thermal broken profile

BLUESTEEL RPT PASS

Sectional view



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Roof access | Thermal broken profile

BLUESTEEL RPT PASS

Infills Accessories & options I 7 p 1 to 4

- 20 mm cellular PC (PCA)

20 mm cellular polycarbonate

Available in opal (standard), clear, Calor Control
- 32 mm cellular PC (PCA)

32 mm cellular polycarbonate

Available in opal, clear, Calor Control
- INSULATED ALUMINIUM COVER

Standard

Acoustic (35 dB) insulated aluminium cover

Accessories and Options Accessories & options I 7 p 5 to 18

GRIDDLE

15x15 mm opening frame in 1200-joule steel

GRILLE

Round opening in 1200-joule steel

STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm

BITUMINOUS WATERPROOFING

- (by default)

PVC WATERPROOFING

- Non-bituminous insulation
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ROOF ACCESS BAR

Galvanised steel bar that makes access to the roof easier and safer

LADDER SUSPENSION BAR

Galvanised steel tube that may be used to support any type of ladder for access to the roof

Ladder available in our Control binder

POSITION CONTACT

Shows the standby or safety position of the skylight

Factory mounted

PAINTING

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RAL 9010 RAL 9005

DEVICE OPENING

Inward opening + outward opening



Inward



Outward

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Natural Lighting

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BLUESTEEL RPT F+ FIX



RPT



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Natural Lighting | Thermal broken profile **POSITIV COLD**

BLUESTEEL RPT F+ FIX

Technical characteristics

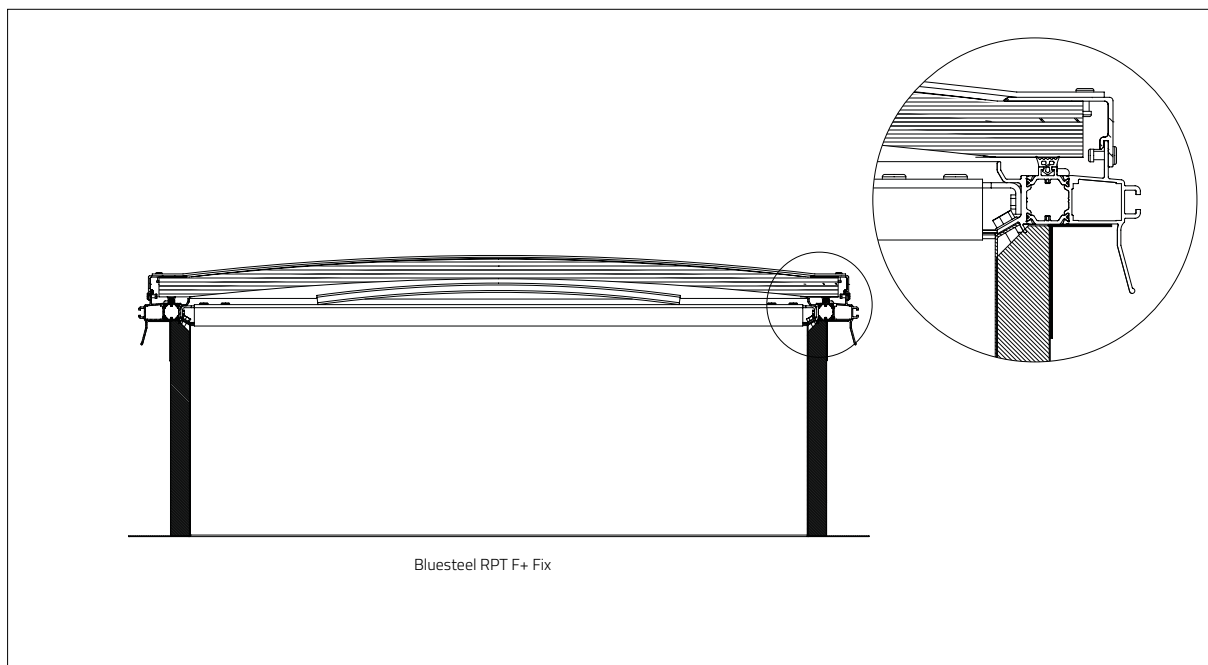
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	50/100	50 x 100	
	70/100	70 x 100	
	80/130	80 x 130	
	100/140	100 x 140	
	100/150	100 x 150	
	100/200	100 x 200	
	120/140	120 x 140	
	120/160	120 x 160	
	120/170	120 x 170	
	120/180	120 x 180	
	120/200	120 x 200	
	120/220	120 x 220	
	120/240	120 x 240	
	120/250	120 x 250	
	120/300	120 x 300	
	140/160	140 x 160	
	140/200	140 x 200	
	140/250	140 x 250	
	140/300	140 x 300	
	150/200	150 x 200	
	150/250	150 x 250	
	150/300	150 x 300	
	160/200	160 x 200	
	160/250	160 x 250	
	160/300	160 x 300	
	180/250	180 x 250	
	180/280	180 x 280	
	180/300	180 x 300	
	200/250	200 x 250	
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* Performance with a 350 mm high device, 20 mm cellular PC (PCA)

Natural Lighting | Thermal broken profile **POSITIV COLD**

BLUESTEEL RPT F+ FIX

Sectional view



EFFICIENT SOLUTIONS

BSL (luminous sun-shading system)

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* compared to 16 mm opal cellular PC (PCA)

Natural Lighting | Thermal broken profile **POSITIV COLD**

BLUESTEEL RPT F+ FIX

Infills

Accessories & options | 7
p 1 to 4

- 20 mm cellular PC (PCA)

20 mm cellular polycarbonate
Available in opal (standard), clear, Calor Control
- 32 mm cellular PC (PCA)

32 mm cellular polycarbonate
Available in opal, clear, Calor Control

Accessories and Options

Accessories & options | 7
p 5 to 18

- 

GRIDDLE

Fixed 15x15 mm, 1200-joule steel
- 

GRILLE


Round fixed in 1200-joule steel
- 

STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm
- 


BITUMOUS WATERPROOFING


By default

- 

PAINTING


The upstand, grille or griddle can be painted in standard RAL shades






RAL 9010


RAL 9005
- adexsi

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Natural ventilation

Thermal broken profile POSITIV COLD

BLUESTEEL RPT F+ AIR (ELECTRIC, PNEUMATIC, MANUAL)



NATURAL
LIGHTING



VENTILATION

BLUETEK

- Natural ventilation to renew the air by day or by night
- Wide range of efficient infill solutions available
- Reduces heat loss thanks to improved upstand insulation
- Limits condensation un summer



CONTROL

- electric, 230 V COSY type
- pneumatic, OXY type

Standards and requirements



EN 1873

Characteristics

Urc: 1.3 W/m².K (190/190, straight, 350 mm high, BSL)

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- Double frame seal
- Extern corner profile to welding the waterproofing upstand
- Upstand corner sealing enhanced

Natural ventilation | Thermal broken profile **POSITIV COLD**

BLUESTEEL RPT F+ AIR (ELECTRIC, PNEUMATIC)

Technical characteristics



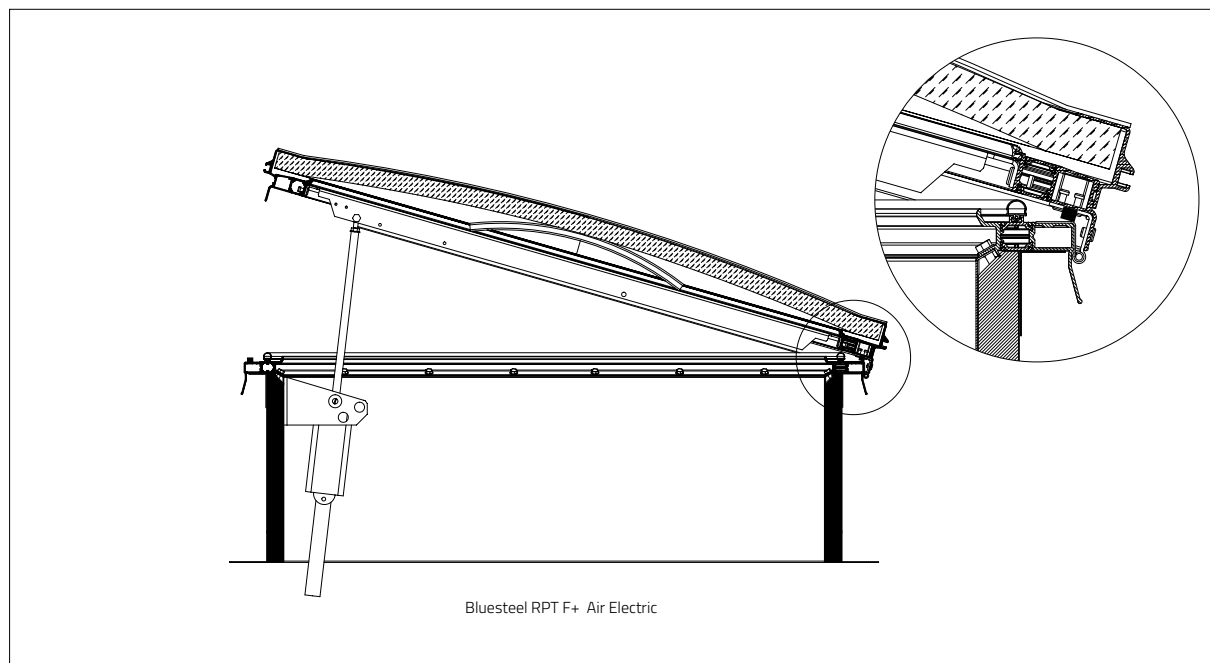
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160/160	160 x 160	
170/170	170 x 170	
180/180	180 x 180	
80/130	80 x 130	
100/140	100 x 140	
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BLUESTEEL RPT F+ AIR (ELECTRIC, PNEUMATIC)

Sectional view



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Infills

Accessories & options | 7
p 1 to 4

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20 mm cellular polycarbonate
Available in opal (standard), clear, Calor Control
- 32 mm cellular PC (PCA)

32 mm cellular polycarbonate
Available in opal, clear, Calor Control
- INSULATED ALUMINIUM COVER

Standard
Acoustic (35 dB) insulated aluminium cover

Accessories and Options

Accessories & options | 7
p 5 to 18

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Fixed 15x15 mm, 1200-joule steel
- GRILLE

Round fixed in 1200-joule steel
- STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm
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Roof access

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BLUESTEEL RPT F+ PASS



RPT



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ROOF
ACCESS

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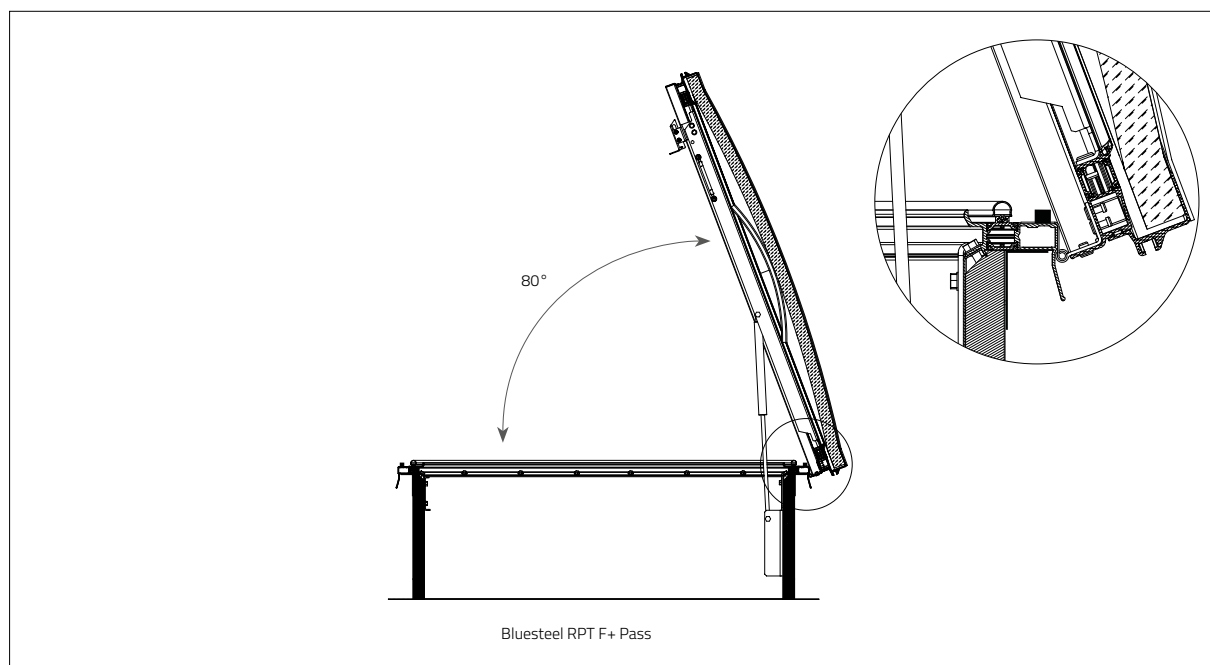
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- Shows the standby or safety position of the skylight
Factory mounted

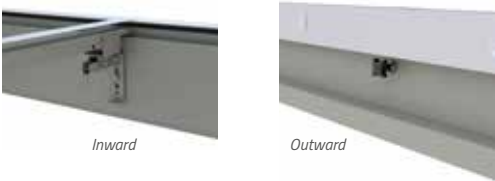
- PAINTING

The upstand, grille, griddle or underside of the aluminium cover can be painted in standard RAL shades



- DEVICE OPENING

Inward opening + outward opening



- POSITION CONTACT

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Natural lighting

Thermal improvement

BLUESTEEL THERM FIX



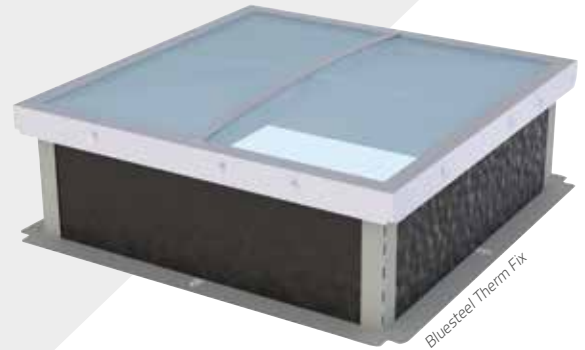
NATURAL
LIGHTING



THERM

BLUETEK 

- Saves energy by letting in natural light through the roof
- Reduces heat loss thanks to improved upstand insulation
- Limits temperature variations in buildings



Standards and requirements



EN 1873

Characteristics

Urc: 1.3 W/m².K (200/300, straight, 350 mm high, BSL)

- **Arc = 10.4 m²**
- **AP = 0.7 m³/h/m**
- **I4: 0.08 m³/h/m**
- 16 mm opal cellular PC (PCA) infill
- Straight upstand, 350 mm high, insulated, 25 mm, bitumen-treated
- Seal on the perimeter of the upstand

Natural lighting | Thermal improvement

BLUESTEEL THERM FIX

Technical characteristics

1

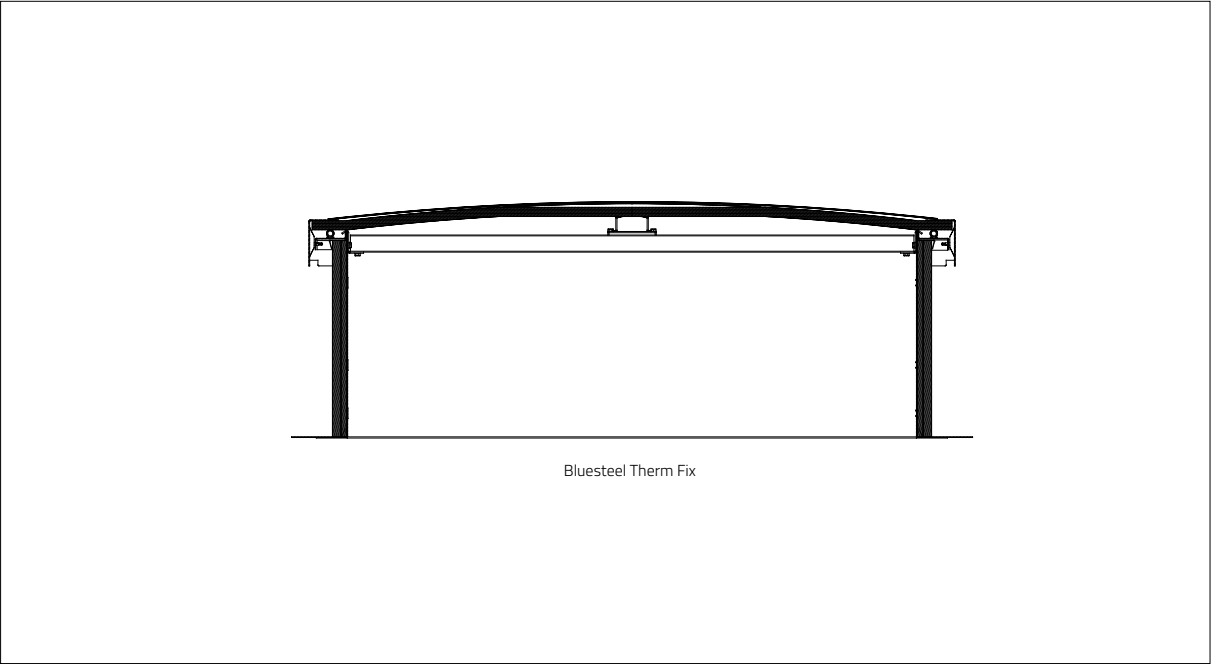
Dimensions		Performance
Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening) W x L in cm	Urc (W/m²K)*
50/50	50 x 50	1.7 to 1.9
60/60	60 x 60	
70/70	70 x 70	
80/80	80 x 80	
90/90	90 x 90	
100/100	100 x 100	
110/110	110 x 110	
120/120	120 x 120	
130/130	130 x 130	
140/140	140 x 140	
150/150	150 x 150	
160/160	160 x 160	
170/170	170 x 170	
180/180	180 x 180	
190/190	190 x 190	
200/200	200 x 200	
50/100	50 x 100	
70/100	70 x 100	
80/130	80 x 130	
100/140	100 x 140	
100/150	100 x 150	
100/200	100 x 200	
120/140	120 x 140	
120/160	120 x 160	
120/170	120 x 170	
120/180	120 x 180	
120/200	120 x 200	
120/220	120 x 220	
120/240	120 x 240	
120/250	120 x 250	
120/300	120 x 300	
140/160	140 x 160	
140/200	140 x 200	
140/250	140 x 250	
140/300	140 x 300	
150/200	150 x 200	
150/250	150 x 250	
150/300	150 x 300	
160/200	160 x 200	
160/250	160 x 250	
160/300	160 x 300	
180/250	180 x 250	
180/280	180 x 280	
180/300	180 x 300	
200/250	200 x 250	
200/300	200 x 300	

* Performance with 350 mm high device, 16 mm cellular PC (PCA)

Natural lighting | Thermal improvement

BLUESTEEL THERM FIX

Technical sections



EFFICIENT SOLUTIONS

BSL (luminous sun-shading system)

- Reduces **sun factor** by 35%*
- Improves the **thermal performance** of the skylight
- Cuts glare and light marks on the floor
- Available in clear and opal



Pearl Inside

- Improves acoustic **performance**
Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC (PCA) concept with incorporated glass microbeads
- Crystalline effect for **an incomparable** aesthetic



Dome screen

- Aesthetic **fixed shading**
- Eliminates the greenhouse effect with protection separated from the glazing
- Protects from sunlight in the summer and lets in warmth in the winter with an optimised orientation system



* compared to 16 mm opal cellular PC (PCA)

Natural lighting | Thermal improvement

BLUESTEEL THERM FIX

Infills

Accessories & options | 7
p 1 to 4

- 16 mm cellular PC (PCA)

16 mm cellular polycarbonate
Available in Opal (standard), clear, Calor Control
- 20 mm cellular PC (PCA)


20 mm cellular polycarbonate
Available in opal, clear, Calor Control
- 32 mm cellular PC (PCA)

32 mm cellular polycarbonate
Available in opal, clear, Calor Control
- CUPOLA


Double wall, opal or clear in solid polycarbonate
or polymethyl methacrylate

Accessories and Options


Accessories & options | 7
p 5 to 18

- 


GRIDDLE

Fixed 15x15 mm, 1200-joule steel
- 


GRILLE

Round fixed in 1200-joule steel
- 


STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm
- 


BITUMOUS WATERPROOFING


By default
- 

PVC WATERPROOFING

- Non-bituminous insulation
- Non-bituminous insulation with optional colaminated plate
- Non-bituminous insulation with optional galvanised plate
- 

PAINTING

The upstand, grille or griddle can be painted in standard RAL shades
- 

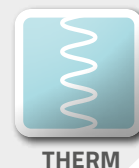


RAL 9010

RAL 9005

Natural ventilation

Thermal improvement



BLUESTEEL THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)



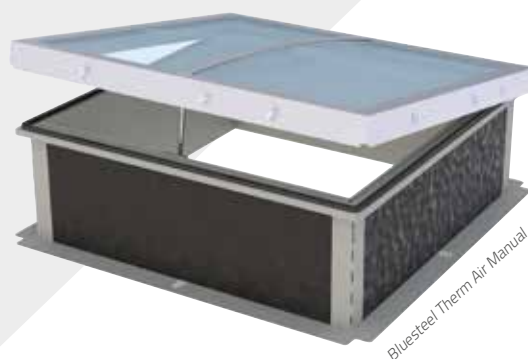
NATURAL
LIGHTING



DAILY
VENTILATION

BLUETEK

- Natural ventilation to renew the air by day or by night
- Saves energy by letting in natural light through the roof
- Reduces heat loss thanks to improved upstand insulation



Bluesteel Therm Air Manual

CONTROL

- electric, COSY type
- pneumatic, OXY type
- mechanical, WINCH type
- manual, HANDLE type

Standards and requirements



EN 1873

Characteristics

Urc: 1.5 W/m².K (190/190, straight, 350 mm high, BSL)

- **Arc = 7.2 m²**
- **AP = 0.5 m³/h/m**
- **I4: 0.06 m³/h/m**
- 16 mm opal cellular PC (PCA) infill
- Straight upstand, 350 mm high, insulated, 25 mm, bitumen-treated
- Seal on the perimeter of the upstanding

Natural ventilation | Thermal improvement

BLUESTEEL THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Technical characteristics

1	Dimensions		Availability **				Performance*
	Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening) W x L in cm	AIR Elec	AIR Pneu	AIR Manual	AIR Winch	Urc (W/m²K)
	50/50	50 x 50	—	—	—	•	2
	60/60	60 x 60	—	—	—	•	
	70/70	70 x 70	•	•	•	•	
	80/80	80 x 80	•	•	•	•	
	85/85	85 x 85	—	—	—	•	
	90/90	90 x 90	•	•	•	•	
	100/100	100 x 100	•	•	•	•	
	110/110	110 x 110	•	•	•	—	
	120/120	120 x 120	•	•	•	—	
	130/130	130 x 130	•	•	•	—	
	140/140	140 x 140	•	•	•	—	
	150/150	150 x 150	•	•	•	—	
	160/160	160 x 160	•	•	•	—	
	170/170	170 x 170	•	•	•	—	
	180/180	180 x 180	•	•	•	—	
	190/190	190 x 190	•	•	•	—	
	50/100	50 x 100	—	—	—	•	
	70/100	70 x 100	•	•	•	•	
	80/130	80 x 130	•	•	•	—	
	100/140	100 x 140	•	•	•	—	
	100/150	100 x 150	•	•	•	—	
	100/200	100 x 200	•	•	•	—	
	120/140	120 x 140	•	•	•	—	
	120/160	120 x 160	•	•	•	—	
	120/170	120 x 170	•	•	•	—	
	120/180	120 x 180	•	•	•	—	
	120/200	120 x 200	•	•	•	—	
	140/160	140 x 160	•	•	•	—	
	140/200	140 x 200	•	•	•	—	
	150/200	150 x 200	•	•	•	—	
	160/200	160 x 200	•	•	•	—	

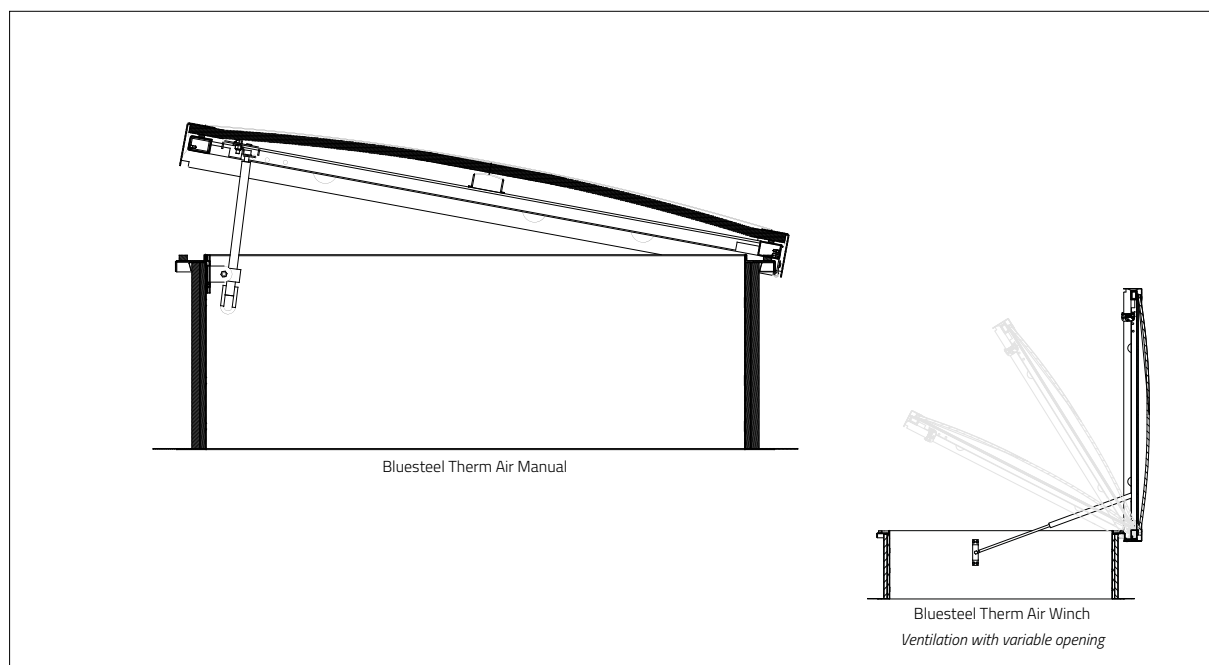
* Performance with 350 mm high device, 16 mm cellular PC (PCA)
**for 16 mm cellular PC (PCA) infills; please enquire for other infills

• available, — not available

Natural ventilation | Thermal improvement

BLUESTEEL THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Sectional view



EFFICIENT SOLUTIONS

BSL (luminous sun-shading system)

- Reduces **sun factor** by 35%*
- Improves the **thermal performance** of the skylight
- Cuts glare and light marks on the floor
- Available in clear and opal



Pearl Inside

- Improves acoustic **performance**
Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC (PCA) concept with incorporated glass microbeads
- Crystalline effect for **an incomparable** aesthetic



Dome screen

- Aesthetic **fixed shading**
- Eliminates the greenhouse effect with protection separated from the glazing
- Protects from sunlight in the summer and lets in warmth in the winter with an optimised orientation system



* compared to 16 mm opal cellular PC (PCA)

Natural ventilation | Thermal improvement

BLUESTEEL THERM AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Infills

- 16 mm cellular PC (PCA)

16 mm cellular polycarbonate

Available in Opal (standard), clear, Calor Control
- 20 mm cellular PC (PCA)

20 mm cellular polycarbonate

Available in opal, clear, Calor Control
- 32 mm cellular PC (PCA)


32 mm cellular polycarbonate


Available in opal, clear, Calor Control
- CUPOLA


Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate
- INSULATED ALUMINIUM COVER


Standard


Accessories and Options


-  GRIDDLE

Fixed 15x15 mm, 1200-joule steel
-  GRILLE


Round fixed in 1200-joule steel
-  STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm
-  BITUMINOUS WATERPROOFING


By default
-  PVC WATERPROOFING

 - Non-bituminous insulation
 - Non-bituminous insulation with optional colaminated plate
 - Non-bituminous insulation with optional galvanised plate
-  PAINTING

The upstand, grille or griddle can be painted in standard RAL shades



RAL 9010



RAL 9005

Roof access

Thermal improvement

BLUESTEEL THERM PASS



NATURAL
LIGHTING



ROOF
ACCESS

BLUETEK

- Easier roof access thanks to the access bar on the roof
- Saves energy by letting in natural light through the roof
- Reduces heat loss thanks to improved upstand insulation
- Interior opening with latch, exterior opening with handle



THERM



Bluesteel Therm Pass

Standards and requirements



EN 1873

Characteristics

Urc: 1.6 W/m².K (140/140, straight, 350 mm high, BSL)

- ▀ **Arc = 4.6 m²**
- ▀ **AP = 0.4 m³/h/m**
- ▀ **I4: 0.05 m³/h/m**
- ▀ 16 mm opal cellular PC (PCA) infill
- ▀ Straight upstand, 350 mm high, insulated, 25 mm, bitumen-treated
- ▀ Seal on the perimeter of the upstand

Roof access | Thermal improvement

BLUESTEEL THERM PASS

Technical characteristics

1

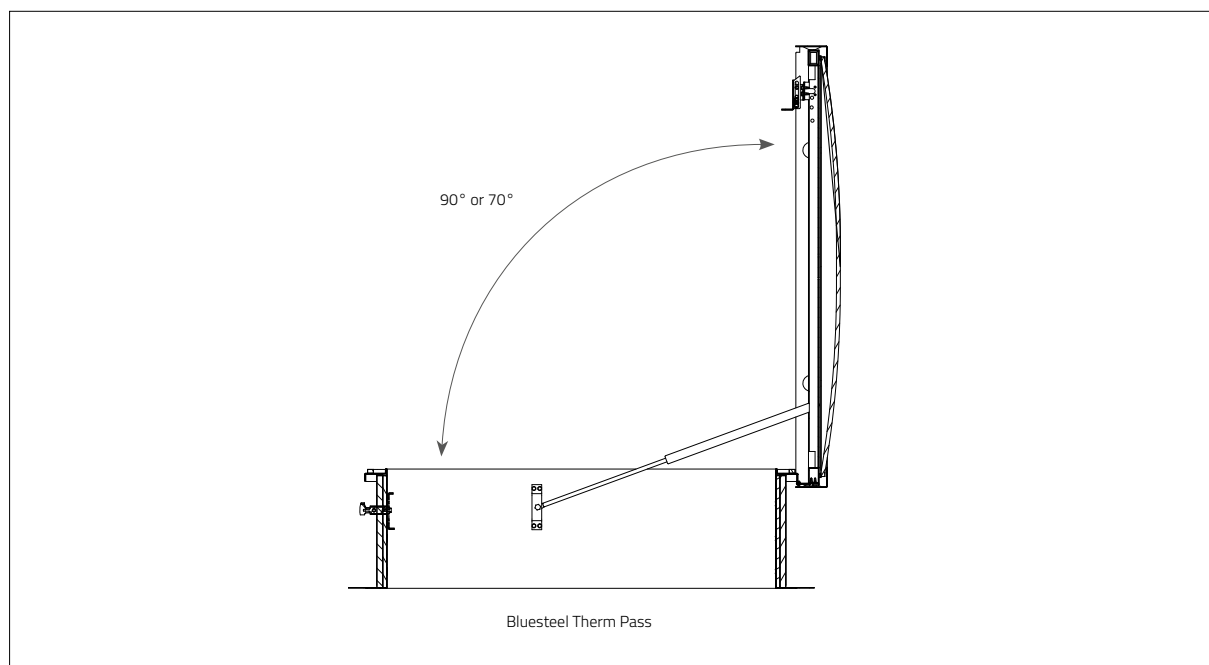
Dimensions		Opening ang	Performances
Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening.) W x L in cm		U _{rc} (W/m²K)*
50/50	50 x 50	90°	2.00
60/60	60 x 60	90°	
70/70	70 x 70	90°	
80/80	80 x 80	90°	
85/85	85 x 85	90°	
90/90	90 x 90	90°	
100/100	100 x 100	90°	
110/110	110 x 110	90°	
120/120	120 x 120	70°	
130/130	130 x 130	70°	
140/140	140 x 140	70°	
50/100	50 x 100	90°	
70/100	70 x 100	90°	
100/140	100 x 140	70°	
100/150	100 x 150	70°	
100/200	100 x 200	70°	
120/140	120 x 140	70°	
120/160	120 x 160	70°	
120/170	120 x 170	70°	

* Performance with 350 mm high device, 16 mm cellular PC (PCA)

Roof access | Thermal improvement

BLUESTEEL THERM PASS

Sectional view



EFFICIENT SOLUTIONS

BSL (luminous sun-shading system)

- Reduces **sun factor** by 35%*
- Improves the **thermal performance** of the skylight
- Cuts glare and light marks on the floor
- Available in clear and opal



Pearl Inside

- Improves acoustic **performance**
Lia: 65 dB, Rw: 28 dB (0,-2)
- New cellular PC (PCA) concept with incorporated glass microbeads
- Crystalline effect for **an incomparable** aesthetic



Dome screen

- Aesthetic **fixed shading**
- Eliminates the greenhouse effect with protection separated from the glazing
- Protects from sunlight in the summer and lets in warmth in the winter with an optimised orientation system



* compared to 16 mm opal cellular PC (PCA)

Roof access | Thermal improvement

BLUESTEEL THERM PASS

Infills

- 16 mm cellular PC (PCA)

16 mm cellular polycarbonate

Available in Opal (standard), clear, Calor Control, opaque
- 20 mm cellular PC (PCA)

20 mm cellular polycarbonate

Available in opal, clear, Calor Control
- 32 mm cellular PC (PCA)

32 mm cellular polycarbonate
- Available in opal, clear, Calor Control
- CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate
- INSULATED ALUMINIUM COVER

Standard

Accessories and Options

- GRIDDLE

15x15 mm opening frame in 1200-joule steel
- GRILLE

Round opening in 1200-joule steel
- STRAIGHT UPSTAND

Heights 350 (standard), 420, 500 mm
- PVC

 - Non-bituminous insulation
 - Non-bituminous insulation with optional colaminated plate
 - Non-bituminous insulation with optional galvanised plate
- BITUMOUS WATERPROOFING

By default
- LADDER SUSPENSION BAR

Galvanised steel tube that may be used to support any type of ladder for access to the roof

Ladder available in our Control binder
- ROOF ACCESS BAR
- Galvanised steel bar that makes access to the roof easier and safer
- POSITION CONTACT

Shows the standby or safety position of the skylight

Factory mounted
- PAINTING

The upstand, grille, griddle or underside of the aluminium cover can be painted in standard RAL shades
- RAL 9010
- RAL 9005
- DEVICE OPENING

Inward opening + outward opening



Natural lighting

Standard steel upstand

BLUESTEEL FIX



NATURAL
LIGHTING

BLUETEK+

→ Saves energy by letting in natural light through the roof

→ Large dimensional range



Standards and requirements



EN 1873

Characteristics

- 10 mm opal cellular PC (PCA) infill
- Straight upstand, 300 mm high, insulated, 15 mm, bitumen-treated

Natural lighting | Standard steel upstand

BLUESTEEL FIX

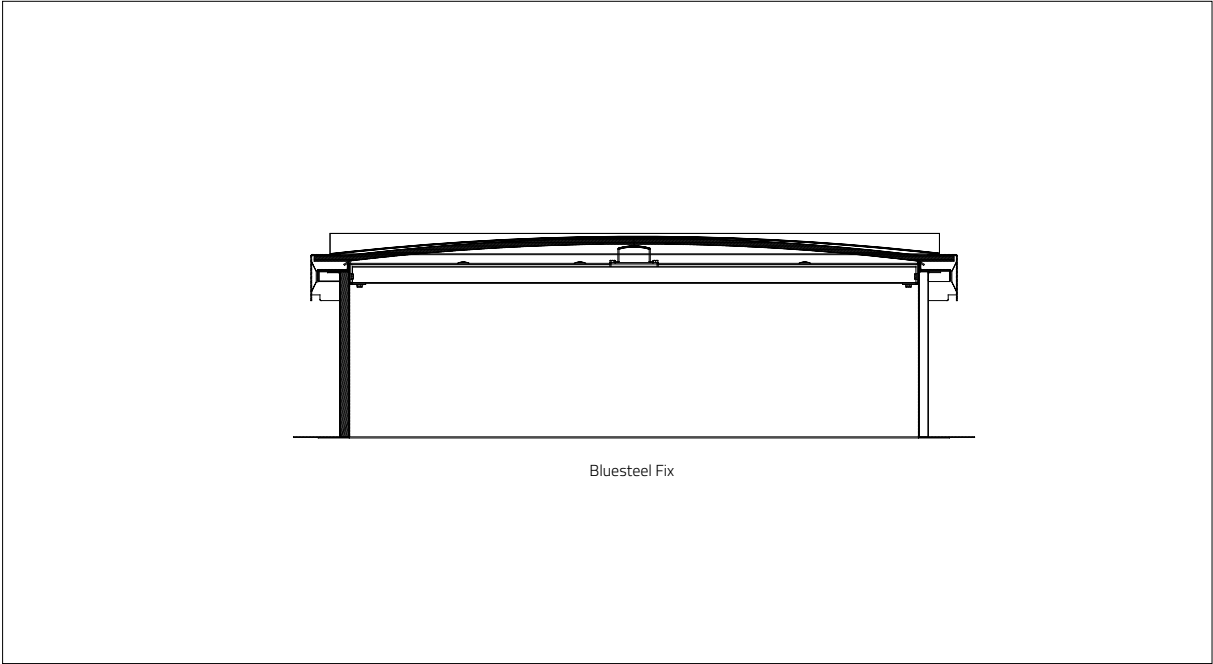
Technical characteristics



Dimensions	
Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening) W x L in cm
50/50	50 x 50
60/60	60 x 60
70/70	70 x 70
80/80	80 x 80
90/90	90 x 90
100/100	100 x 100
110/110	110 x 110
120/120	120 x 120
130/130	130 x 130
140/140	140 x 140
150/150	150 x 150
160/160	160 x 160
170/170	170 x 170
180/180	180 x 180
190/190	190 x 190
200/200	200 x 200
50/100	50 x 100
70/100	70 x 100
80/130	80 x 130
100/140	100 x 140
100/150	100 x 150
100/200	100 x 200
120/140	120 x 140
120/160	120 x 160
120/170	120 x 170
120/180	120 x 180
120/200	120 x 200
120/220	120 x 220
120/240	120 x 240
120/250	120 x 250
120/300	120 x 300
140/160	140 x 160
140/200	140 x 200
140/250	140 x 250
140/300	140 x 300
150/200	150 x 200
150/250	150 x 250
150/300	150 x 300
160/200	160 x 200
160/250	160 x 250
160/300	160 x 300
180/250	180 x 250
180/280	180 x 280
180/300	180 x 300
200/250	200 x 250
200/300	200 x 300

Natural lighting | Standard steel upstand
BLUESTEEL FIX

Sectional view



Natural lighting | Standard steel upstand

BLUESTEEL FIX

Infills

- 10 mm cellular PC (PCA)

10 mm cellular polycarbonate


Available in Opal (standard), clear, Calor Control
- CUPOLA


Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate
- 16 mm cellular PC (PCA)


16 mm cellular polycarbonate


Available in opal, clear, Calor Control


Accessories and Options


-  **GRIDDLE**

Fixed 15x15 mm, 1200-joule steel
-  **GRILLE**


Round fixed in 1200-joule steel
-  **STRAIGHT UPSTAND**

Heights 300 (standard), 420, 500 mm
-  **BITUMOUS WATERPROOFING**


By default
-  **PVC WATERPROOFING**

 - Non-bituminous insulation
 - Non-bituminous insulation with optional colaminated plate
 - Non-bituminous insulation with optional galvanised plate
-  **PAINTING**

The upstand, grille or griddle can be painted in standard RAL shades



RAL 9010



RAL 9005

Natural ventilation

Standard steel upstand

BLUESTEEL AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)



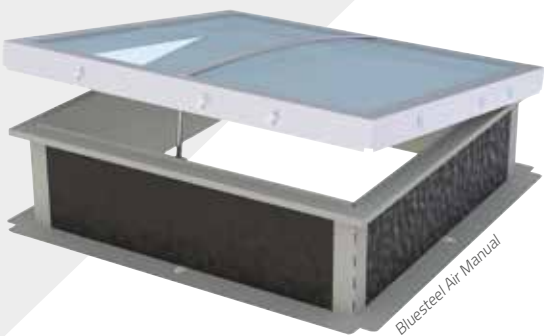
NATURAL
LIGHTING



DAILY
VENTILATION

BLUETEK

- Saves energy by letting in natural light through the roof
- Natural ventilation to renew the air by day or by night
- Different opening energies for manual or controlled use



- CONTROL**
- electric, COSY type
 - pneumatic, OXY type
 - mechanical, WINCH type
 - manual, HANDLE type

Standards and requirements



EN 1873

Characteristics

- 10 mm opal cellular PC (PCA) infill
- Straight upstand, 300 mm high, insulated, 15 mm, bitumen-treated

Natural ventilation | Standard steel upstand

BLUESTEEL AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Technical characteristics

1

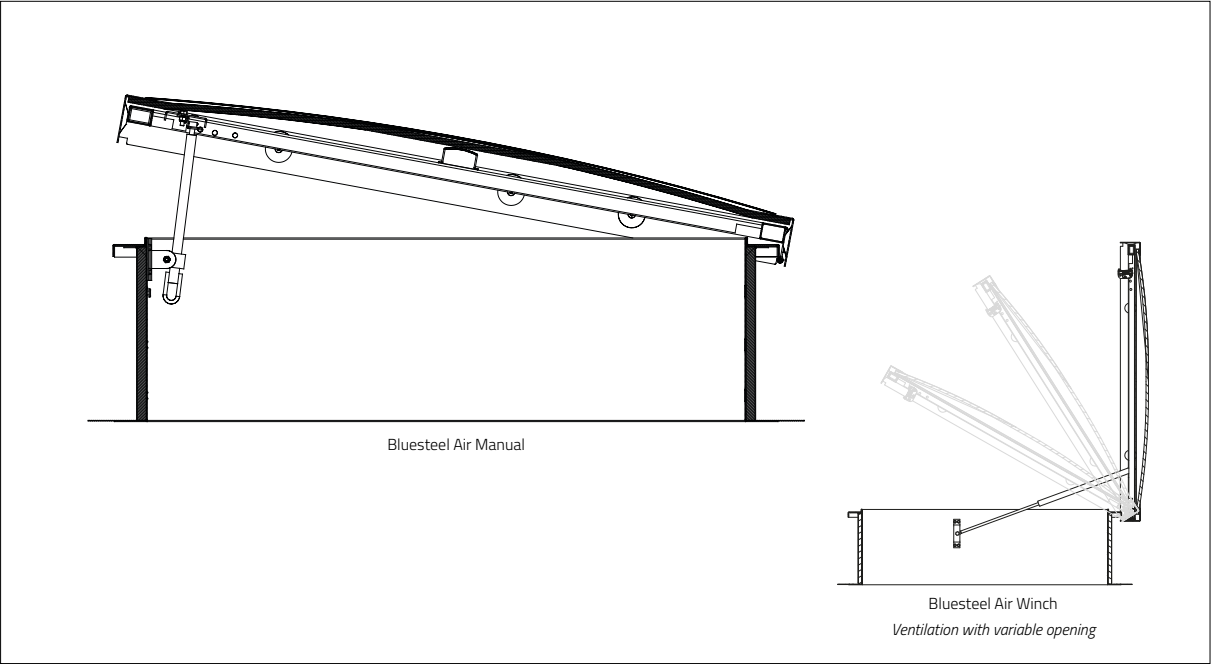
Dimensions		Availability *			
Commercial dimensions (roof opening) W/L in cm	Light dimensions (high opening) W x L in cm	AIR Elec	AIR Pneu	AIR Manual	AIR Winch
50/50	50 x 50	—	—	—	•
60/60	60 x 60	—	—	—	•
70/70	70 x 70	•	•	•	•
80/80	80 x 80	•	•	•	•
85/85	85 x 85	—	—	—	•
90/90	90 x 90	•	•	•	•
100/100	100 x 100	•	•	•	•
110/110	110 x 110	•	•	•	—
120/120	120 x 120	•	•	•	—
130/130	130 x 130	•	•	•	—
140/140	140 x 140	•	•	•	—
150/150	150 x 150	•	•	•	—
160/160	160 x 160	•	•	•	—
170/170	170 x 170	•	•	•	—
180/180	180 x 180	•	•	•	—
190/190	190 x 190	•	•	•	—
50/100	50 x 100	—	—	—	•
70/100	70 x 100	•	•	•	•
80/130	80 x 130	•	•	•	—
100/140	100 x 140	•	•	•	—
100/150	100 x 150	•	•	•	—
100/200	100 x 200	•	•	•	—
120/140	120 x 140	•	•	•	—
120/160	120 x 160	•	•	•	—
120/170	120 x 170	•	•	•	—
120/180	120 x 180	•	•	•	—
120/200	120 x 200	•	•	•	—
140/160	140 x 160	•	•	•	—
140/200	140 x 200	•	•	•	—
150/200	150 x 200	•	•	•	—
160/200	160 x 200	•	•	•	—

*for 10 mm cellular PC (PCA) infill; please enquire for other infills

• available, — not available

Natural ventilation | Standard steel upstand
BLUESTEEL AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Sectional view



Natural ventilation| Standard steel upstand

BLUESTEEL AIR (ELECTRIC, PNEUMATIC, WINCH, MANUAL)

Infills

- 10 mm cellular PC (PCA)

10 mm cellular polycarbonate

Available in Opal (standard), clear, opaque, Calor Control
- 16 mm cellular PC (PCA)


16 mm cellular polycarbonate


Available in opal, clear, opaque, Calor Control
- CUPOLA


Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate
- INSULATED ALUMINIUM COVER


Standard


Accessories and Options


-  GRIDDLE

Fixed 15x15 mm, 1200-joule steel
-  GRILLE


Round fixed in 1200-joule steel
-  STRAIGHT UPSTAND

Heights 300 (standard), 420, 500 mm
-  BITUMINOUS WATERPROOFING


By default
-  PVC WATERPROOFING

 - Non-bituminous insulation
 - Non-bituminous insulation with optional colaminated plate
 - Non-bituminous insulation with optional galvanised plate
-  PAINTING

The upstand, grille, griddle or underside of the aluminium cover can be painted in standard RAL shades



RAL 9010



RAL 9005



Roof access

Standard steel upstand

BLUESTEEL PASS



NATURAL
LIGHTING



ROOF
ACCESS

BLUETEK

- Easier roof access thanks to the access bar on the roof
- Saves energy by letting in natural light through the roof
- Inward opening with latch, outward opening with handle



Standards and requirements



EN 1873

Characteristics

- 10 mm opal cellular PC (PCA) infill
- Straight upstand, 300 mm high, insulated, 15 mm, bitumen-treated

Roof access | Standard steel upstand

BLUESTEEL PASS

Technical characteristics

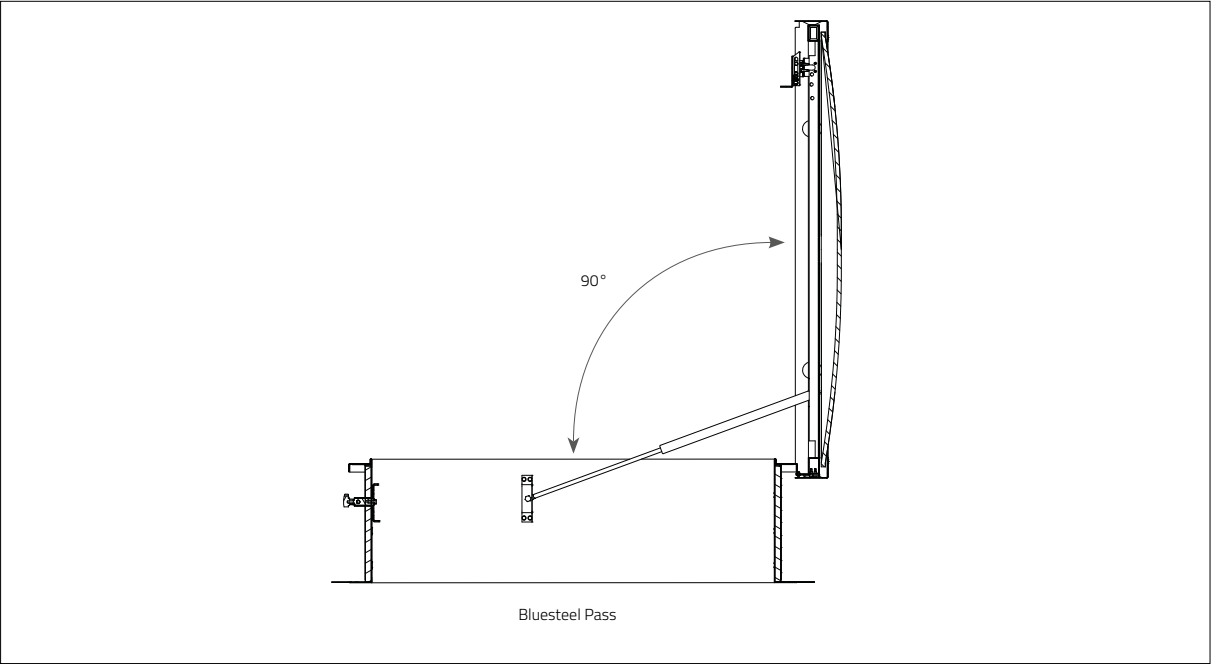
1

Dimensions		Opening angle
Commercial dimensions (roof opening) W/L in cm	Light dimensions (light opening) W x L in cm	
50/50	50 x 50	90°
60/60	60 x 60	90°
70/70	70 x 70	90°
80/80	80 x 80	90°
85/85	85 x 85	90°
90/90	90 x 90	90°
100/100	100 x 100	90°
110/110	110 x 110	90°
120/120	120 x 120	70°
130/130	130 x 130	70°
140/140	140 x 140	70°
50/100	50 x 100	90°
70/100	70 x 100	90°
100/140	100 x 140	70°
100/150	100 x 150	70°
100/200	100 x 200	70°
120/140	120 x 140	70°
120/160	120 x 160	70°
120/170	120 x 170	70°

Roof access | Standard steel upstand

BLUESTEEL PASS

Sectional view



Roof access | Standard steel upstand

BLUESTEEL PASS

Infills

- 10 mm cellular PC (PCA)

10 mm cellular polycarbonate

Available in Opal (standard), clear, opaque, Calor Control
- 16 mm cellular PC (PCA)


16 mm cellular polycarbonate

Available in opal, clear, opaque, Calor Control
- CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate
- INSULATED ALUMINIUM COVER

Standard

Accessories and Options



GRIDDLE

15x15 mm opening frame in 1200-joule steel




GRILLE

Round opening in 1200-joule steel




STRAIGHT UPSTAND

Heights 300 (standard), 420, 500 mm




BITUMOUS WATERPROOFING

By default




PVC

- Non-bituminous insulation
- Non-bituminous insulation with optional colaminated plate
- Non-bituminous insulation with optional galvanised plate



ROOF ACCESS BAR

Galvanised steel bar that makes access to the roof easier and safer




LADDER SUSPENSION BAR

Galvanised steel tube that may be used to support any type of ladder for access to the roof

Ladder available in our Control binder




POSITION CONTACT



Shows the standby or safety position of the rooflight

Factory mounted



PAINTING

The upstand, grille, griddle or underside of the aluminium cover can be painted in standard RAL shades

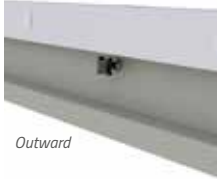


DEVICE OPENING

Inward opening + outward opening



Inward



Outward

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Natural lighting, Daily ventilation or Roof access

Standard steel upstand

BLUESTEEL ROUND



NATURAL
LIGHTING



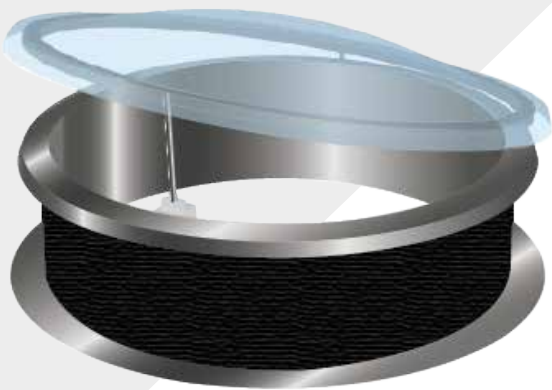
ROOF
ACCESS



DAILY
VENTILATION

BLUETEK

- Aesthetics and easy installation
- Available with three functions



Bluesteel round

CONTROL

- electric, *COSY* type
- mechanical, *WINCH* type
- manual, *HANDLE* type

Standards and requirements



EN 1873

Characteristics

- 10 mm opal cellular PC (PCA) infill
- Straight round upstand, height 300 mm, bitumen-treated

Natural lighting, Daily ventilation or Roof access | Standard steel upstand

BLUESTEEL ROUND

Technical characteristics

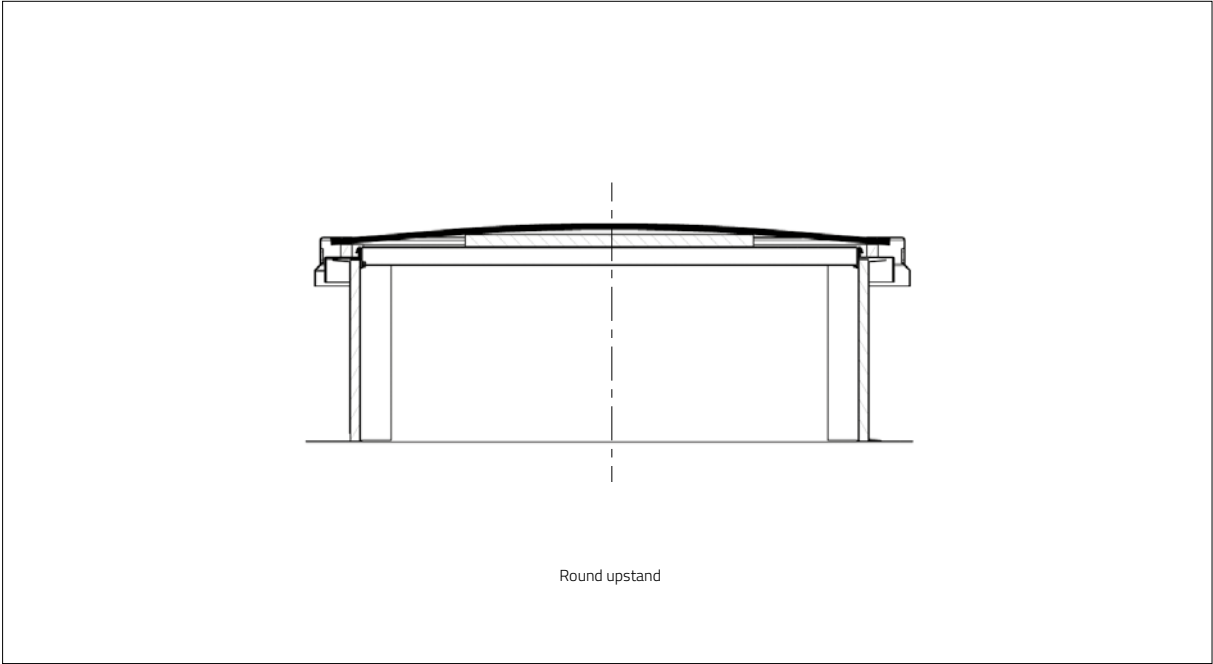
Dimensions		Overhead lighting	Natural ventilation			Roof access
Commercial dimensions (roof opening) diameter in cm	Light dimensions (high opening) diameter in cm	FIX	AIR manual	AIR elec	AIR winch	PASS
D70	70	•	•	•	•	•
D80	80	•	•	•	•	•
D100	100	•	•	•	•	•
D120	120	•	•	•	•	•
D130	130	•	•	•	•	•
D140	140	•	•	•	•	•
D150	150	•	•	•	•	•
D160	160	•	•	•	•	•
D180	180	•	•	•	—	—
D200	200	•	•	•	—	—

● available / — not available

Natural lighting, Daily ventilation or Roof access | Standard steel upstand

BLUESTEEL ROUND

Sectional view



Natural lighting, Daily ventilation or Roof access | Standard steel upstand

BLUESTEEL ROUND

Infill

Accessories & options | 7
p 1 to 4

- 10 mm cellular PC (PCA)

10 mm cellular polycarbonate

Available in opal (standard), clear, opaque, Calor Control
- CUPOLA

Double wall, opal or clear in solid polycarbonate or polymethyl methacrylate with turned-over edges.
- 16 mm cellular PC (PCA)

16 mm cellular polycarbonate

Available in opal, clear, opaque, Calor Control

Accessories and Options

Accessories & options | 7
p 5 to 18

- GRIDDLE

15x15 mm, in 1200-joule steel
- STRAIGHT UPSTAND

Heights 300, 420, 500 mm
- BITUMOUS WATERPROOFING

By default
- PVC WATERPROOFING

 - Non-bituminous insulation
 - Non-bituminous insulation with optional colaminated plate
 - Non-bituminous insulation with optional galvanised plate
- PAINTING

The upstand, griddle or underside of the aluminium cover can be painted in standard RAL shades

RAL 9010

RAL 9005



Humidity removal

Standard steel upstand

DRYER



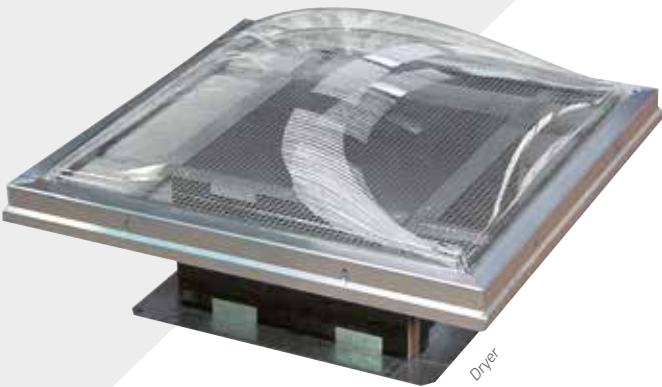
NATURAL
LIGHTING

BLUETEK+

→ Optimum humidity removal when waterproofing is damaged

→ The water may be collected under the vapour barrier by pumping or mopping

→ Anti-insect grille



Characteristics

- Straight upstand (50/50) height 300 mm, bitumen-treated
- Clear methacrylate cupola (single dome).
- Anti-insect grille

Principle of use

When the waterproofing has been pierced, either due to an accident or dilapidation, the insulating material absorbs water and rapidly loses its thermal insulation properties. The presence of humidity between the waterproofing and the vapour barrier makes the problem worse as a result of freezing or mold development. In order to avoid such problems, Bluetek has designed a dryer that combines two actions that remove humidity:

- **Creation of a permanent humidity evaporation point.** The humidity evaporates due to the heat from sunlight that is transmitted by the transparent cupola of the dryer. It is removed by condensation and then runs off the cupola by ventilation.
- **Creation of a collection point for water running off** under the vapour barrier or stagnating at a low point of the roof by pumping or mopping, after removing the cupola.

The time required for drying the roof varies depending on the degree of humidity in the insulation, weather conditions and the quantity of stagnant water. However, experience has proven that a year is sufficient in most cases to fully dry the roof.

If the roof is to be repaired entirely, the dryer can also be retained to supplement the insulation and waterproofing of the new complex.

Use and limits

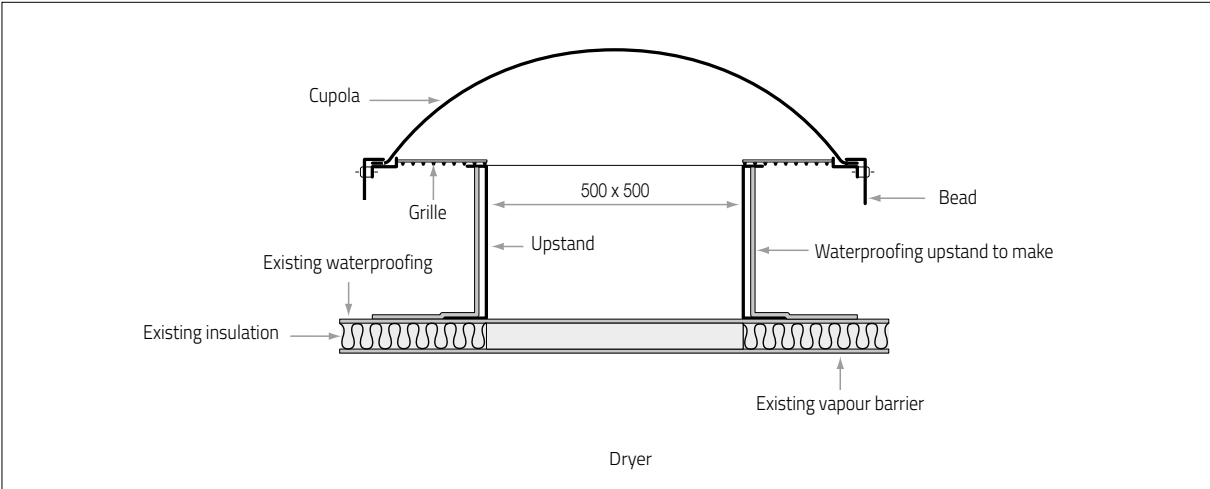
The dryer is mainly suited to roofing with cellular insulation. Glass and rock wool is less suitable for this drying method.

As for any work on a waterproofing membrane, the use of dryers can only be decided by a specialist. That is why an accurate diagnosis of the condition of the roofing should be made first, particularly using spot testing techniques, to identify comprehensive repair work where the dryers are only part of the solution.

Humidity removal | Standard steel upstand

DRYER

Sectional view



Accessories and Options

Accessories & options | 7
p 5 to 18



PVC WATERPROOFING

- Non-bituminous insulation
- Non-bituminous insulation with optional colaminated plate
- Non-bituminous insulation with optional galvanised plate

Installation advice

- Select the locations where the stored humidity is at its maximum: low points in the slab, stagnant water areas identified in the waterproofing, areas identified by spot testing etc.
- Provide for the installation of approximately one dryer per 50 m².
- Cut through the waterproofing + insulation to make a 0.5 x 0.5 m hole that goes down to the vapour barrier, but does not damage it.
- Place the dryer on the hole, with the heel of the upstand resting on the existing roofing.
- Make a waterproofing upstand between the existing roofing and the insulation of the cupola upstand.
- Put the cupola in place and fix with the bead frame.

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