

LUCIDDOOR[®]

| HIGH PERFORMANCE DOORS |

"Those who set off to never rest, never get tired."
We are walking our way by the light of his thought:
"Our true mentor in life is science"

Mustafa Kemal Atatürk



LUCIDDOOR[®]

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Flexible high-speed doors

The initial investment cost of doors is minimal in comparison to other facility costs.

One of the key advantages of dividing spaces with flexible high-speed doors are that it conclusively prevents the permeation of dirt, pests, and vermin through segregated environments.

The conventional tendency of many industrial facilities tends to lean towards more traditional opening solutions such as sectional doors and roller shutters. Luciddoor high-speed doors present the benefit of enhanced operational efficiency, superior occupational health and safety, and reduced investment cost.

Luciddoor has developed numerous industrial opening solution systems which embody the necessary flexibility to efficiently adapt to custom client requests for project specific individual requirements. Luciddoor local agents listen to the client, assess the environment, evaluate specific requirements of each individual project, and offer the optimal solution.

Sectors where Luciddoor high-speed doors are most beneficial

Certain industries have highly specific operational requirements as far as opening systems are concerned. As an example, food, beverage, and medical industries demand the sustainability of strict climatic and hygienic conditions. Thus, Luciddoor high-speed doors present short opening and closing times, as well as optimal thermal insulation properties in order to ensure low cooling loss, reduced air flow and smooth operation.

Luciddoor also presents a range of high-speed doors for large openings: Lucid Hangar Doors. Lucid Hangar Doors provide high-quality, sturdy, and lightweight solutions for aviation, shipyard, and mining facilities.

In industries such as automotive industry, every second is crucial. Maintaining the quickest possible flow of materials makes a tremendous difference in the world of mass production on a global scale. Luciddoor understands the value of every single second and offers the quickest, most secure, and efficient solutions for the automotive industry.

Another industry with critical and precise requirements is chemical industry. Due to the nature of the produce, chemical industry demands explosion-proof electrical equipment as established by the ATEX directives in every system and component that comes in contact with chemicals. Luciddoor high-speed doors feature ATEX compatible and reliable solutions to meet the requirements of chemical industry.

In retail industry, specific requirements include food safety and burglary protection. Luciddoor delivers reliable and secure high-speed doors that meet the needs of retail industry.

The world is changing...

The energy and labour costs to maintain the cleanliness and environmental conditions of industrial facilities are increasing every day.

Luciddoor presents significant technical advantages over conventional opening systems such as sectional doors, also in terms of energy efficiency. Higher operating speed, the ability to sustain a much greater number of opening and closing cycles, lower maintenance requirements and repair costs all contribute to meet the crucial requirements of today's energy efficient industrial facilities.

Luciddoor was created by combining fine mechanical details, high precision, and creative engineering.

"Simplicity is the ultimate sophistication". We create our doors by this motto of Leonardo da Vinci.

Improved productivity through high speed

Conventional doors operate relatively slowly during open/close cycles, which in turn slow traffic down. In industrial areas with heavy flow of materials, goods, or vehicles, slowing the traffic down translates as inefficiency.

Luciddoor high-speed doors get the traffic flowing smoothly with their quick open/close feature. That way, personnel and materials do not have stop and wait for a slow, bulky door in order to move from A to B. Moreover, the thermal insulation, air tightness and resistance to differential pressure of Luciddoor high-speed doors contribute to efficient energy management.

Smooth and smart logistics = improved productivity.

Better occupational health and safety

Some industrial processes involve health hazards due to air contamination.

Draughty environments with non-controlled ambient temperatures can be both uncomfortable and have a negative impact on health. Frequently opening doors cause indoor temperatures to fluctuate, making it unsafe for both staff, and in many cases, also the products within the facility.

Air pollutants in the working environment can cause permanent damage to human health. In the absence of necessary preventive measures, personnel may be exposed to air pollutants like gases, dust, or fumes caused by industrial operations. Some procedures or materials may require environmental conditions alternating from, or contradicting with those in neighbouring zones. Dividing such zones with a flexible, airtight, and thermally insulated barrier is often a smarter solution than spending considerable amounts of energy on attempting to maintain contradicting environmental conditions in adjacent or neighbouring spaces.

Luciddoor high-speed doors help maintain desired environment conditions, saving energy and creating healthy and comfortable working environments.

Save energy while heating or cooling

Climate control is usually one of the biggest ongoing expenses incurred by operations in facilities. Production areas, offices and warehouses usually have different ambient temperature requirements. It may be required to heat office areas, while at the same time it may be necessary to cool production areas. Different zones in an industrial facility have alternating optimal environmental conditions, and the way such zones are separated plays a crucial part in energy efficiency management.

Due to quick open/close cycles, airtightness, and optimal thermal insulation, dividing spaces with alternating environmental conditions with Luciddoor high-speed doors is a smart way to:

- Ensure minimal fluctuation of environmental conditions,
- Save energy on air conditioning.

Luciddoor also presents special doors with high thermal insulation for cold storage or freezer applications. The thermally insulated door curtain prevents condensation and ice build-up; saving labour costs which would otherwise have been spent on frequent de-icing and cleaning; as well as minimizing operational interruptions due to de-icing.

Easy clean and maintenance

In food and sanitary processing environments, it is imperative that doors are cleaned and disinfected quickly, easily, and frequently. Luciddoor's PVC curtains and stainless-steel structure are designed to endure intensive use of cleaning agents.

In the case of a collision, when conventional doors are knocked off track, a service call is inevitable. High-speed doors with an anti-crash system option can easily and quickly be reset by a local technician, greatly reducing downtime after collisions.

Safety is our priority

Many additional optional features of Luciddoor high-speed doors are aimed at enhanced safety. To name but a few, the optional safety detection and signalling technology detect and warns against vehicles approaching from the opposite direction, and the anti-crash system mitigates possible injuries and material damage in case of a collision.

OUR COMMITMENT

Having the right mindset is the first step of being successful. One can never obtain long term achievements without it. In this matter, we are inspired by sharks, one of the most powerful creatures in the animal kingdom. Mentality of a shark is always forward thinking. "Sharks never stop swimming." explains Walter Bond, former NBA star and a Hall of Fame motivational speaker. "In fact, if a shark stops swimming, it will die. If a shark goes backwards, it will die."

In Lucid, every day we aim to be better than yesterday. Every day, we are thinking about answering your needs in a more efficient and intelligent way. We design, we communicate, we execute and no matter what we do, we never stop moving. And what makes us different is our movement.

Tailormade production which address your requirements, Lucid moves slightly different than any other door manufacturel.

We provide quality service to our customers relentlessly. Creating ideas and making them come true for every budget and every specialized need.

We continue to move forward. "If you're operating the right way, you don't need to brag about yourself because others are going to brag about you." says Walter Bond. That's exactly how we think: Our word is our work!

OUR COLOUR

The use of colour is never only for visual purposes. Every colour gives meaning, both subconsciously and culturally. Combining these meanings together, form symbols. The Turkish flag is red and white; red symbolises the blood of martyrs, it represents power, excitement and love. Whereas white is a symbol of purity and cleanliness. In unity, they symbolize the young, strong and pure Republic of Turkey, won with the blood of its loving citizens.

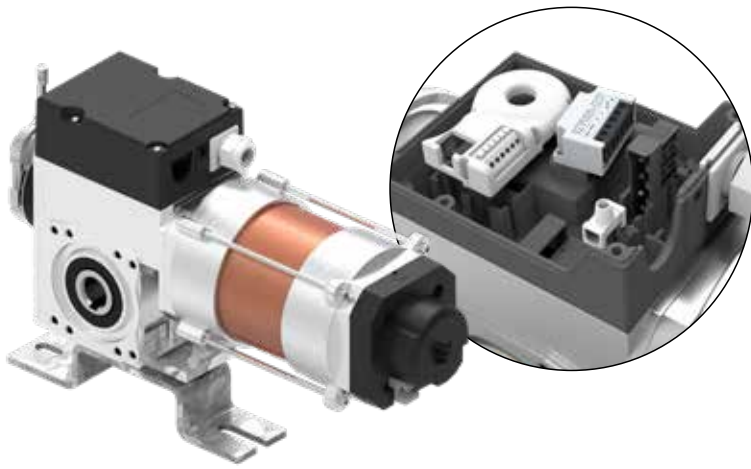
As Luciddoor, we represent certain values and principles. Orange is the colour of courage and vitality; representing the endless desire to work in our dynamic and progressive company. Gray represents discipline, symbolizing our work ethic. Finally, white is a reflection of the honesty and transparency we show towards our customers. If we combine these together, we are Luciddoor, working relentlessly in line with our slogan "always moving" to provide the highest quality and transparent service to our customers. The values we represent with our colours are as indispensable as our passion for speed.

GREEN FRIENDLY PRODUCTION

"Do you brighten up a room when you enter or do you brighten up a room when you leave?"
Walter Bond

Whatever your task is, accomplishment depends on how you interact with your surroundings. As you can't have a complete evaluation of a person's character without observing his/her communication with others, you can't have the full perspective of a company without its interaction with the environment. Those who can't show sensitivity to the planet they live in, can't show sensitivity to their customers' needs. In Lucid, we care about the environment. As an impactful player in door industry, we aim to be better while promoting our community and surroundings. We know that the ultimate success can't be achieved alone. True winners elevate the people around them when they rise. With a nature-friendly approach and practices, our goal is to leave a healthier World to our kids and a brighter future to next generations.





Luciddoor high speed door drives:

Are designed to operate non counterbalanced fast-acting rolling doors. The operator is slid on the barrel shaft and may serve directly as a bearing for the door shaft. The operators may be mounted horizontally or vertically.

The maintenance-free safety catch device, which is dependent of position and speed, is integrated in the gear box. All electrical connections are using detachable connectors.

Limit switch

The door position is monitored by a separate directly integrated camshaft, with an internal ratio of 10:1 resp. 15:1. On request it is possible to equip the gear-boxes with a ratio of 20:1 or 40:1. All Luciddoor drives can have electronic encoder limit switch systems

Emergency operation

In order to maneuver the door even in case of a power failure, all operators come with a Short Hand Crank emergency hand system.

If the operator is equipped with a DC-brake, ensure that the release lever is not pushed manually during the manual operation. Haulchain manual override mechanism is also possible.

General technical data

On-Site Fuse: 10 or 16 A slow
 Power Input cable: 5 x 1,5 mm²
 Cont. sound pressure level: < 70 db(A)
 Temperature range: -5°C ... 40°C

Brake

For drives with brake, stopping is achieved through the attached brake.

All fast acting operators are equipped with DC-brake.

A neutral connection is required.

Duty ratio

The duty ratio indicates the number of possible operations per hour. One operation corresponds to a cycle of opening and closing of the door.

The values given, assume an even distribution and apply for one type of operator:

Contactor based Control:

- MD: 20 operations per hour
- HD: 30 operations per hour

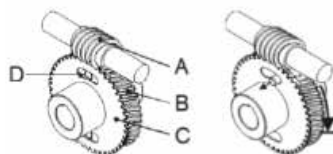
Frequency Inverter Control:

- MD: 40 operations per hour
- HD: 60 operations per hour

Anti-drop safeguard

In accordance with the EN 12604 all roller shutter operators are equipped with an integrated locking device, which works independent of position and speed.

In case of exceeding wear, the teeth of the brass worm wheel (B) may collapse and allow the wheel to turn underneath the steel worm shaft (A). The pilot wheel (C) remains unaffected. Due to the relative rotation of the two wheels a set of hardened lock-bolts (D) are released and will immediately and permanently block the gearbox.



Control unit:

Luciddoors are characterized by high speeds that enable goods to flow between spaces. The consequence of these peak speeds is high load changes which put great strain on the door structure. Modern FEIG controls enable fast closing and opening cycles, thus reducing queuing times in front of the doors and heat loss, while minimizing material wear. This is what we like to call "intelligent door management".

The new door control unit family is offered either in a small or a big plastic housing. In addition to a large number of application-specific innovations, the improved motor management ensures that the controllers are always ready for operation, even in the most challenging environmental conditions. Powerful and intelligent even in demanding environmental conditions such as high wind loads or icing, Luciddoor controls enable safe and trouble-free door operation. The torque automatically adapts to the respective situation. In the process, power and energy consumption are regulated independently to ensure reliable and cost-efficient operation of high-speed doors.

Safe and material-friendly

High opening speeds and opening frequency put a strain on the entire door construction. Thanks to intelligent door management, the frequency inverter control relieves the entire door mechanism and ensures wear-free processes with smooth starting and braking. Thus, the service life of Luciddoor systems increases significantly, while offering optimized operating procedures and maximum efficiency.

Simple installation

The controls for Luciddoor systems can be installed quickly and conveniently with extensive presetting and a self-learning automatic configuration. Control unit features ensure effortless configuration of the doors to meet specific on-site requirements.



Light curtains

The light curtains are located on the side rails, embedded in the guide rails. During the closing cycle, the light curtains scan the entire height of the grid and follow the bottom closing edge until the door is fully closed.

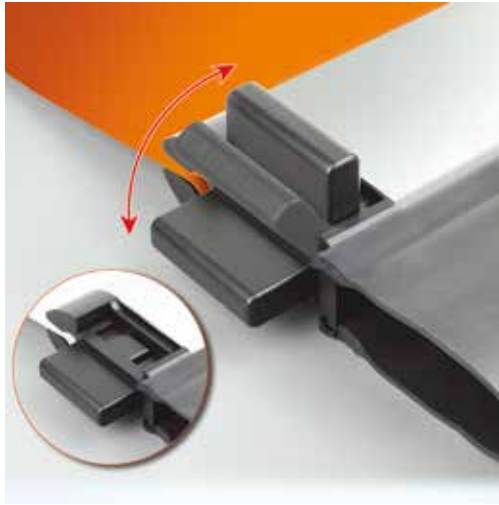
The light curtain system consists of an array of integrated transmitters and receivers positioned on opposite sides of the door frame.

The advanced automatic signal-tracking feature ensures that no onsite set up or adjustments are required. The signal of each individual channel is adjusted automatically, which compensates for misalignment and contamination during operation. Transmitter and receiver units are optically synchronized.

The Dynamic Sequential Blanking Function allows the detectors to be positioned in the guide rails, where the door travels directly in front of the protection area, interrupting the beams sequentially from top to bottom. This special feature ensures that the system can distinguish between the closing door and an obstacle by ignoring the beams that are obstructed by the moving door whilst leaving the below remaining beams active to detect an object below the door edge.

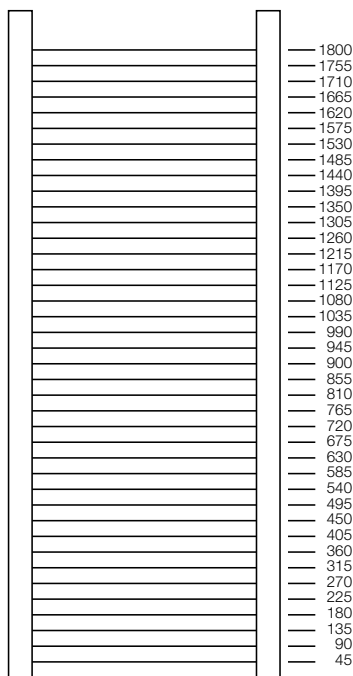
The safety light curtain ensures compliance with safety requirements according to EN 13241-1 without the need for any additional safety devices.

- 1-12 meter sensing range
- 16 to 56 parallel scanning beams
- Active height of 1800 mm to 2520 mm
- Length of 1948 mm to 2668 mm
- 3 different channel placement models
- Cable or plug connection
- Automatic sensitivity adjustment
- Compact aluminium IP67 housings
- Power, output and system status indicators
- 2-30 V DC supply voltage
- 5 wire solid state relay output
- Test inputs
- EN 12978 compliant
- TUV-IFA ISO 13849-1 Pld
- 45 mm beam space



Anti-crash safety system (ACS)

The Anti-Crash Safety System, or ACS, is a protection system designed to reduce the damage sustained by the door leaf in the event of a collision. The specialized door curtain design allows the force applied on the door curtain by a colliding body (usually a transport vehicle) to push the door curtain out of the side guide rails on both sides without actually causing damage. The door curtain can then be easily reset by hand. In the event of a collision, the wireless sensors on the door transmit a signal to the control unit and stop the movement of the door immediately. The ACS considerably reduces down time and repair costs.



Soft edge

Luciddoor designers provide soft edge curtains without rigid elements like aluminum or steel profiles depending on the door application. If the door leaf touch on obstacle, the edge will bend and not cause any damage.

- Multi-technology system capable of working with 8k2 resistive safety edges, with electro-mechanical edges and with those using low consumption optical technologies.
- Multi-frequency system for improved communications between the system devices and to avoid interference, the system includes 4 user selectable communication channels and 1 back-up channel. The latter is enabled automatically when interference is detected in the selected 868 frequency
- The system allows for up to 6 transmitters to be stored in one receiver: 3 per relay, with the possibility of simultaneous activation. The second relay can be used as a low battery warning..

Curtain types



Full curtain
1 mm fabric pvc



Strip model curtain
2/3 mm clear pvc with
warning stripes



Modular curtain with
interchangeable sections



Isolated curtain



Zipper type curtain

A120	●	○	—	—	—
A180	—	—	●	—	—
B240	●	○	○	—	—
C120	●	—	—	—	—
E140	●	○	—	—	—
D120/D120-S	●	—	—	—	—
SR120	—	—	—	○	●
SR140	●	—	—	○	—
M140	—	○	—	—	—
CR100/CRC100	—	●	—	—	—
F140	●	○	—	—	—
I140C	—	—	—	●	—
I140F	—	—	—	●	—

Fabric	100% PES 1100 dtex		
Weight	900 g/m ²	DIN EN ISO 2286-2	
Lacquering	1/1		
Embossing	Glossy		
Breaking strength	Warp	4000 N/5 cm	EN ISO 1421-1
	Weft	4000 N/5 cm	
Tear strength	Warp	600 N	DIN 53 363
	Weft	600 N	
Adhesion	100 N/5 cm	EN ISO 2411	
Temperature resistance	-30/+70 °C	DIN EN 1876-2	
Light fastness	(Except white and (half-) transparent)	7-8	ISO 105 B02
Fire behavior	<100 mm/min	ISO 3795	



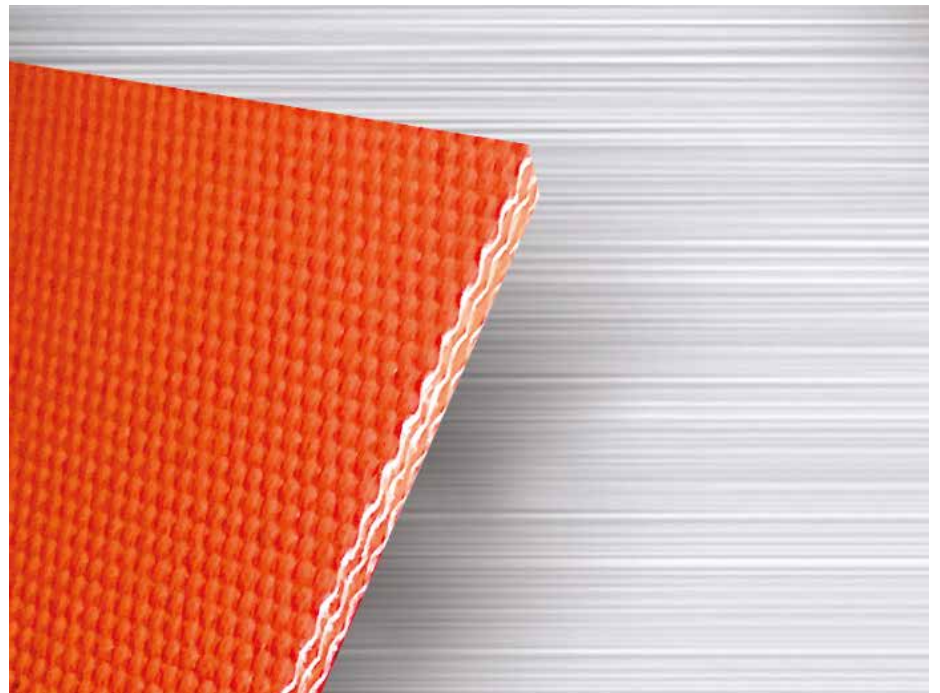


Transilon curtain
2/3 mm monofilament pvc

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E 8/2 V1/V1 NA

Standard delivery width	3000 mm
Longitudinal seam possible	Yes
Top face material	Polyvinyl chloride
Surface pattern	Fabric Coating thickness 0.1 mm
Driving face material	Polyvinyl chloride
Surface pattern	Fabric Coating thickness 0.1 mm / (0.004 in) Tension
member material	Laterally stiff fabric of polyester warp and weft
Number of fabric plies	2
Driving face weave	Plain weave
Total thickness	2 mm ± 0.15 (0.079 in ± 0.006)
Weight	2.35 kg/m ² ± 0.15 (0.481 lbs/ft ² ± 0.031)
k1% value relaxed (effective pull at 1% elongation), established in line with	
ISO 21181:2005	5.25 N/mm / (29.98 lbf/in)
Breaking force	155 N/mm / (885 lbf/in)
Elongation at break longitudinal	29 %
Elongation at fitting	min. 0.3 %
Elongation at fitting	max. 1 %
Friction coefficient of driving face against steel panel according ISO 21182	
	0.29
Friction coefficient of top face against steel panel according ISO 21182	
	0.3
Permissible operating temperature	-10/70 °C, for a short time 90 °C (14/158 °F, for a short time 194 °F)
Thermal conductivity	70 W/(K*m ²)



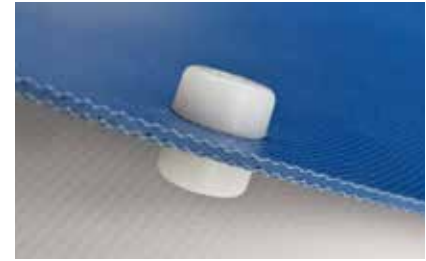


The zipper structure which allows Lucid SR120 better seal and self-reset function.



Composite part allowing curtain reinforcement and self-rest function for SR 140.

Wind catchers specially designed to increase wind resistance.



For extreme windload conditions, you can use spring steel windrollers.

Spring steel wind locks provide maximum stability and ensure particularly quiet door travel.

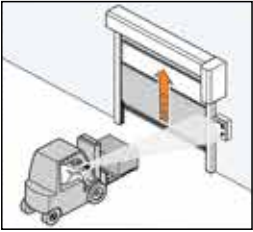


Modular windbars to change only damaged curtain easily for model A180.



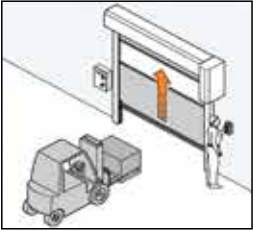
Spring steel wind locks in the curtain pockets ensure particularly quiet door travel.

Remote controls



Remote controls

Buttons

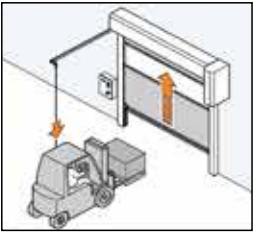


Button IP 65

Mushroom button

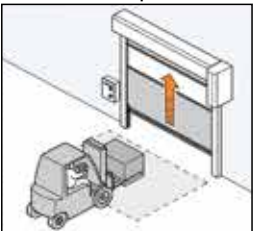
Contactless switch

Hand operating



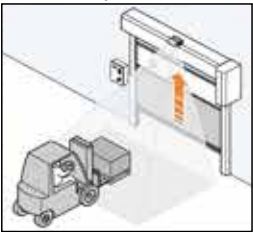
Pull switch IP 65

Induction loops



Loop detector

Motion & presence sensors



Radar

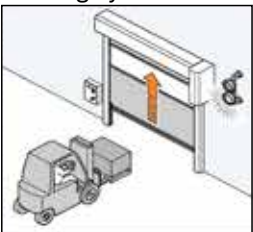
Radar & active infrared

Active infrared

Laser

Area surveillance and safety sensor

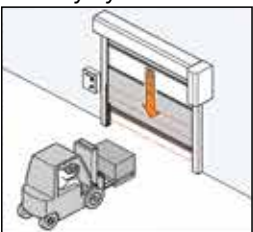
Warning systems



Traffic lights

Traffic lights / Signal beacons

Security systems



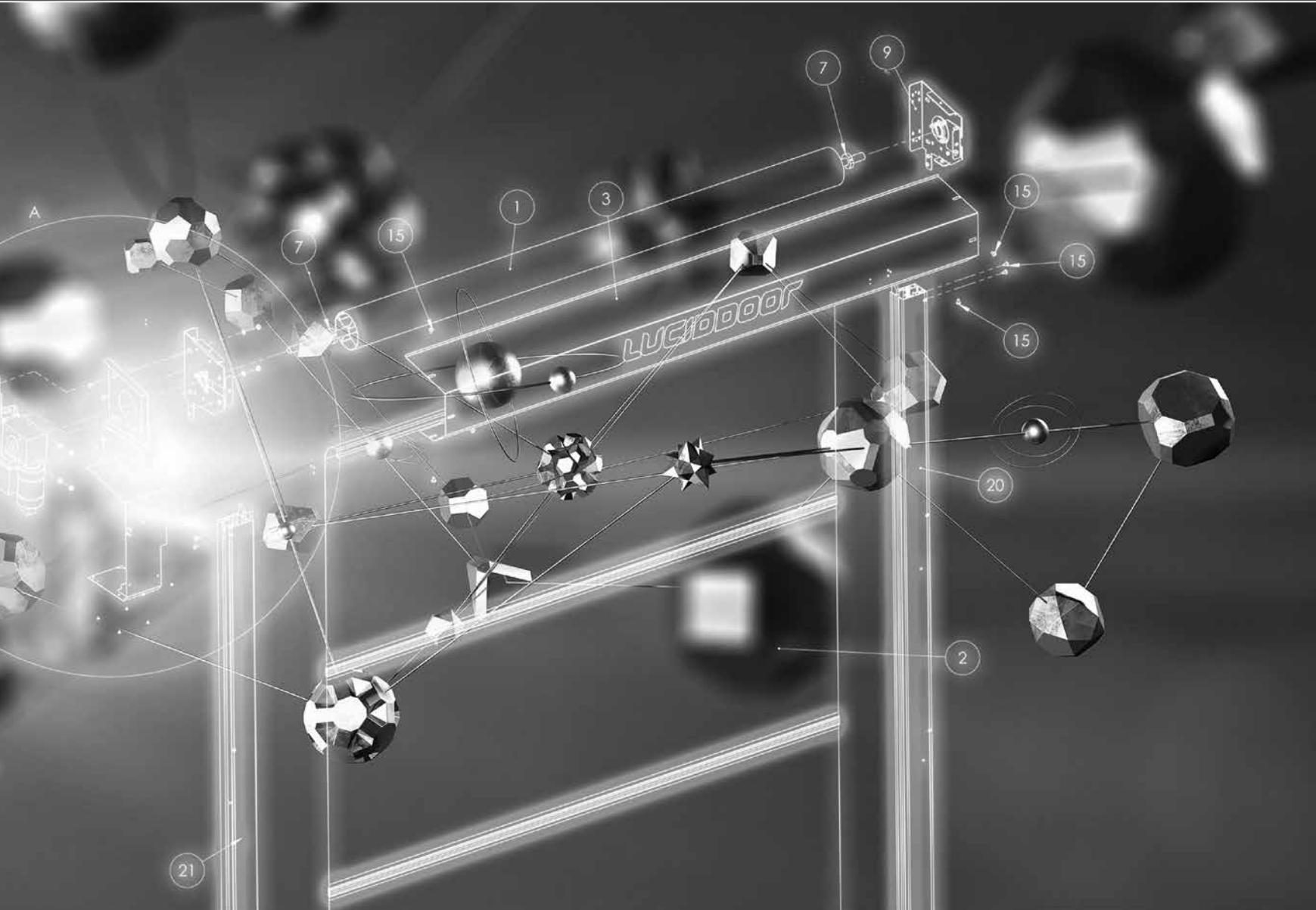
Photocells

Light curtain

Divide and Conquer

Large spaces are like crowded populations: they have amazing potential benefits if you manage to guide them well; however, it's not an easy task to organize them. Badly organized fields will certainly impact the productivity, in a negative sense. To make the most out of your spaces, you have to categorize, divide, and unify them with a purpose. Imagine that you are a farmer. You will plant corn, wheat, and tomatoes in your cropland. You won't plant them randomly, right? Nonetheless, this time you don't have a cropland but automobile factory, a food&beverage factory or a cold storage facility and the grains that you classify are not corn, wheat or tomatoes but production lines, transport lanes and storage locations. To have a high-performing production facility, you have to combine and separate units to enable them to function as a whole. It's the main reason of buying an internal door. Ruling your space with "divide and conquer" philosophy and turning your facility a real factory. That's how you expand: by divide.

LUCID or lose it...



Internal doors	A120	A180	B240	E140	SR120	SR140
Size range						
Width (max)	4000 mm	4000 mm	5000 mm	3500 mm	5000 mm	5000 mm
Height (max)	4500 mm	4500 mm	5000 mm	4000 mm	5000 mm	5000 mm
Speed						
With standard WU control						
Max opening / closing speed	0,8 m/s	0,8 m/s	0,8 m/s	0,8 m/s	—	—
With optional FU control						
Max opening / closing speed	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	2,0 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s
Safety						
Photoeye	●	●	●	●	●	●
Light grid	○	○	○	○	○	○
Resistive safety edge	○	○	○	○	—	—
Manual release						
Short crank handle	●	●	●	●	●	●
Manual chain override	○	○	○	○	○	○
Auto opening with balance system	—	—	—	●	—	—
Door leaf						
Fabric pvc full curtain-1mm	●	●	●	●	●	●
Vision panel clear pvc 2 mm	○	○	○	○	○	○
Clear pvc with warning strips-2 mm	○	—	○	○	—	—
Monofilament thick pvc-2 mm	○	—	○	○	—	—
Modular curtain	—	●	—	—	—	—
Wind bars						
Spring steel	●	—	●	●	—	—
Wind roller	●	—	●	●	—	—
Aluminium	—	●	—	—	—	—
Bottom profile						
Anodised aluminium	●	●	●	●	—	—
Anodised aluminium with ACS-Anticrash system	○	○	—	○	—	—
Soft EPDM rubber with ACS-Anticrash system	—	—	—	○	●	●
Balance & Curtain Tension						
Balance counterweight	—	—	—	—	—	—
Balance spring	—	—	—	●	—	—
Curtain tension	—	—	●	—	—	—
Construction						
Galvanised steel	●	—	●	●	●	●
Stainless steel	○	—	○	○	○	○
Anodised aluminium	—	●	—	—	—	—
Powder coating	○	○	○	○	○	○
Wind class						
EN12424	class 2	class 0	class 2	class 1	class2	class 0

A120

How do you like your steak cooked? Medium rare, medium well or well-done maybe. It's a personal choice but one thing is certain that no one wants to eat a burnt steak. That's how we make things in Lucid; a smart, well equipped design with all the features you need without unnecessary complexity. The end product is a more rational, more efficient, more economic, and a better functioning system. In short, a delicious steak.



LESS IS MORE

Fewer features mean:

A more rational, more efficient, more economic, and better functioning system.

The Lucid A120 is designed to provide businesses with an economic and efficient interior door solution. It features a short pay off period and an excellent price to performance ratio.

The Lucid A120 comes with a standard fully transparent door curtain reinforced by vertical warning strips. The fully transparent door curtain ensures maximum transparency and allows the permeation of natural light, as well as enhancing occupational safety by allowing personnel to see the other side of the door.

Alternative door curtains such as transilon are available optionally, depending on client requirements like enhanced wind load resistance. Additional wind locks are also available as an option when higher resistance against wind load is an issue. The Lucid A120 does not feature a (spring or counterweight) balance system.

Just like all other Luciddoor models, the Lucid A120 has an optimal door curtain to meet your specific requirements.

Benefits of the Lucid A120:

- Excellent price / performance ratio,
- Enhanced wind load resistance due to wind locks,
- Can easily work 100.000 cycles per year,
- Functional with all material handling solutions,
- Slim frames require less space on the sides and the top,
- Fast and quiet operation due to frequency converter.



A180



Lucid A180 is design for robust, aesthetic and economic solution for an internal application. Although Lucid A180 has some futures like Lucid A120, it has aluminium structure and modular curtain design.

Lucid A180 has rigid aluminium bottom profile. Anti-crush option reduce damage and eliminate downtime.

The modular design of the Lucid A180 is characterized by the functional partitioning of the door curtain into discrete and scalable modules, rigorous use of well-defined modular interfaces and making use of industry standards for interfaces.

The modularity of the Lucid A180 allows our sales partners to hold stocks and easily adjust to desired door dimensions using standard components. Modular design inherently combines the mass production advantages of standardization, since modularity is impossible without some level of standardization, (high volume normally equals low manufacturing costs) with those of customization of not carrying dead capacity, increasing the capacity utilization rate and its effect on cost and pricing flexibility.

Consequently, the Lucid A180 offers some unique benefits for the end user, especially in areas with heavy traffic flow. In areas with dense forklift traffic, collisions between forklifts and doors are not always avoidable. In case of a collision, the door curtain are likely to sustain damage. Usually it is quite easy to replace the curtain segment. But it is not equally easy to repair a damaged door curtain. Depending on the location and nature of the damage, a full curtain may have to be completely replaced, causing extended downtime and additional cost. The modular curtain design of the Lucid A120 facilitates quick and easy replacement of each individual module.



Benefits of the Lucid A180:

- Good price/performance ratio,
- Slim frames and aesthetic design,
- Modular design allows hold stocks for reseller,
- Give a change just damaged curtain segment instead of complete curtain,
- Better wind load with wind catchers.





Benefits of the Lucid B240:

- Smooth and safe operation under air pressure within wind load resistance capacity,
- Improved wind load resistance due to integrated wind studs,
- Equipped with curtain tension system,
- Functional with industrial process requirements,
- Fast and quiet operation due to frequency converter,
- Less downtime.



The possibility of unwanted air flow is present even at interior doorways. In the absence of a balance or tensioning system, a high-speed door is prone to be deformed to a "J" shape under pressure due to indoor air flow.

Entry level interior doors like the Lucid A120 close with the help of the total weight of the curtain. They offer some wind load resistance, but eventually, increased pressure will deform them to a "J" shape, and the bottom closing edge of the door will be elevated from the floor level.

Luciddoor engineers equipped the Lucid B240 with a curtain tensioning system for enhanced resistance to wind load by keeping the door curtain tensioned while the door is closed.

Integrated wind studs and wind rollers on the curtain even further improve wind load resistance and facilitate smooth and safe operation even under pressure.

As standard, the Lucid B240 features a PVC full curtain. In applications where high visibility is required, a transparent PVC curtain reinforced by strips of coloured PVC is available as an option. Optionally, a transilon (reinforced, double-layered PVC) curtain is available for higher resistance to wind loads.



Exit doors

Life is a jungle; you never know what is coming out from the bushes. It can be a little rabbit, or it can be a wolf. It is not a good idea to pretend that it is the cute rabbit and keep on walking. In order to stay alive, you always have to be prepared for dealing with wolves and acting quickly. Accidents and disasters will not let you know before coming. To minimize the negative consequences, you have to be ready for them and being ready requires backup plans.



Lucid Exit Door is a great tool to make sure that no man is left behind for the wolves. Sturdy, quick and working guaranteed during times of crisis, it is the best possible thing that you can have for evacuating people and valuable goods from the endangered area. Its main use might not be for pedestrian traffic, but it is there every time to deliver for human needs. With Lucid Exit Doors, refuse to be the prey, be the king of your jungle.





High-speed doors are most commonly used in industrial and commercial areas where environmental separation, energy efficiency, and/or security are required. However, a high-speed door can also be used as a reliable component of egress for emergency situations such as fires and/or other hazardous conditions where safe and quick evacuation of occupants is of the essence.

The term “egress” can be summarized as a continuous and unobstructed exit path from any occupied portion of a building or structure to the outdoors.

The Lucid E140 was designed with the concept of egress in mind.

The emergency operation of the Lucid E140 is facilitated by a counterweight system.

Two emergency operation options are available:

- Emergency manual operation with a lever or cord:

When the emergency lever or cord is pulled, the door will manually open to reveal a safe evacuation route with the help of the counterweight system.

- Emergency operation with a battery backup system:

When the emergency operation button is pressed, the door will open to a minimum height of 2.1 meters to reveal a safe evacuation route with the help of the backup battery, regardless of the availability of mains power. The door then stays open until full power is resumed. A backup power supply as a stand-alone option is subject to approval.

Benefits of the Lucid E140:

- Manual operation with a lever,
- Has an option a battery backup system,
- Smooth and safe operation under air pressure,
- Fast and quiet operation due to frequency converter,
- Less downtime.

SR120





Lucid SR120 doors are economical indoor traffic doors with low maintenance and downtime.

In contrast to the high-speed PVC door approach made with a hard bottom profile, Lucid SR120 is made as a soft-flexible foundation. The Lucid SR120 is the recommended high traffic areas for industrial application.

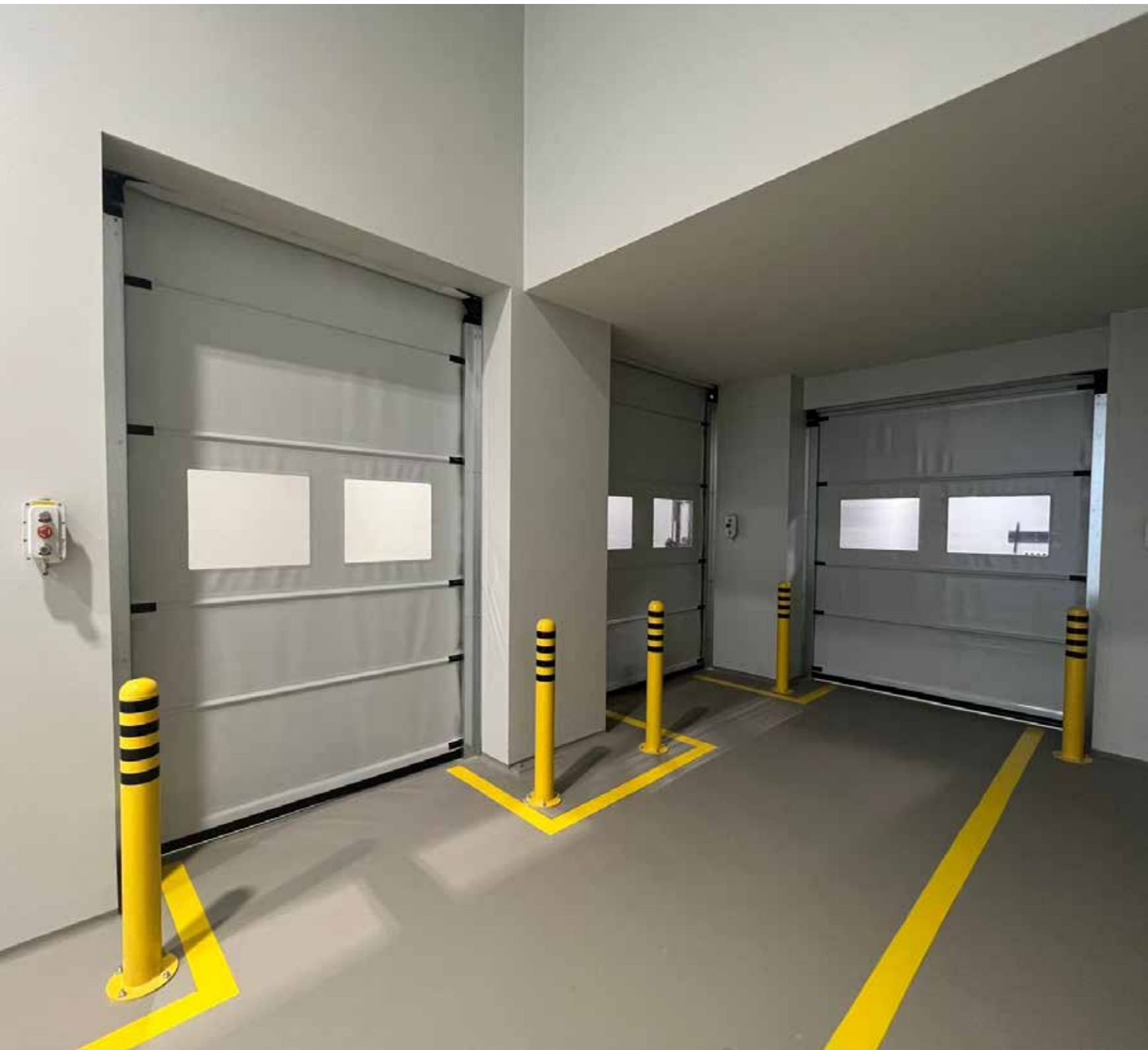
The PVC curtain's resistance to wind is increased in the Lucid SR120 design by the zipper fastened to both sides and the thoughtfully constructed channel. In the closed position, it has a high resistance to wind and also has relatively better air penetration insulation.

In the event of collision, by positioning the door's own curtain without the need for extra maintenance staff, you may lower maintenance expenses and downtime while giving users a continuous working environment.

Benefits of the Lucid SR120:

- Economic and efficient,
- In the event collision, door curtain self-reset features,
- Excellent air pressure endurance in closed position,
- Low air penetration values superior sealing,
- Provide quiet, low maintenance operation,
- Easy to install for resellers.

SR140





Lucid SR140 never stops

Safety risk analysis of industrial high-speed traffic doors reveals two major outcomes:

- Risk of injury or material damage is prevalent while the door is closing,
- The downtime between failure and/or collision and recommissioning of the door is a critical factor for operational costs.

Commonly accepted elemental methods of reducing risk of accidents concerning high-speed doors in industrial areas with dense traffic include:

- Increasing the door opening speed,
- Adopting opening and safety activators,
- Regular safety trainings for forklift/vehicle operators.

Research also reveals that, while such risk mitigation measures are successful to a considerable extent, they fall short of eliminating accidents completely. In order to ensure enhanced safety, the Lucid SR140 series high-speed doors are equipped with soft edges. In the event of a collision, the door curtain on the Lucid SR140 are released from the rails. When the door is reactivated, the door curtain is reset without the need of any outside assistance; notably reducing service costs and downtime.

The features of every Lucid model bear advantage over other Lucid models, depending on the intended use. This is where the expertise of our sales team shines through to propose the optimum solution (such as a flexible or rigid door curtain) to meet the very demands of your specific needs.

Benefits of the Lucid SR140:

- Never stops in the collision,
- Door curtain self-reset feature,
- Perfect price/function ratio,
- Carry average wind class in internal areas,
- No concern downtime.



SR140

Invincible

No matter what game you play, if you can't defend your base, you are out. In this game, your base is your factory. To achieve more, you first have to protect what you have. A castle is as strong as its weakest part. Even if your castle has the strongest walls ever made by mankind; you won't be able to defend it if the enemy enters inside by just walking in from the front gate. We have your solution. Think of a door which is robust, enduring and stylish. A kind of door that stays strong like a gladiator and moves quick as a Ninja warrior. That's the kind of gatekeeper that every king needs to keep their castle safe. That's Lucid External Door.

We can't miss it...



External doors	C120	D120	D120-S
Size range			
Width (max)	6000 mm	5700 mm	7500 mm
Height (max)	5000 mm	6500 mm	7150 mm
Speed			
With standard WU control			
Max opening / closing speed	0,8 m/s	0,7 m/s	0,7 m/s
With optional FU control			
Max opening / closing speed	1,5 m/s - 1,0 m/s	—	—
Safety			
Photoeye	●	●	●
Light grid	○	○	○
Resistive safety edge	○	○	○
Manual release			
Short crank handle	●	●	●
Manual chain override	○	○	○
Auto opening with balance system	●	—	—
Door leaf			
Fabric pvc full curtain-1mm	●	●	●
Vision panel clear pvc 2 mm	●	●	●
Clear pvc with warning strips-2 mm	—	—	—
Monofilament thick pvc-2 mm	—	—	—
Modular curtain	—	—	—
Wind bars			
Spring steel	●	—	—
Wind roller	●	—	—
Aluminium	—	—	—
Steel tube	—	●	●
Bottom profile			
Anodised aluminium	●	○	—
Anodised aluminium with ACS-Anticrash system	—	—	—
Soft EPDM rubber with ACS-Anticrash system	—	—	—
Balance & Curtain Tension			
Balance counterweight	—	—	—
Balance spring	●	—	—
Curtain tension	●	—	—
Construction			
Galvanised steel	●	●	●
Stainless steel	○	○	○
Anodised aluminium	—	—	—
Powder coating	○	○	○
Wind class			
EN12424	class 4	class 2	class 2

C120



Lucid C120 is "more"

The Lucid C120 is designed as a wind resistant solution to satisfy most outdoor industrial requirements.

The curtain tensioning system of the Lucid C120 improves resistance to wind load by keeping the door curtain tensioned while the door is closed. Integrated spring steel wind bars and wind rollers on the curtain even further enhance wind load resistance and facilitate smooth and safe operation under positive or negative pressure.



The Lucid C120 features the highest wind load resistance in rollup door outdoor applications. It offers a better air permeability performance than its alternative, the Lucid D120 foldup door.

The counter-balance system facilitates easy manual opening in case of a power outage or a motor failure. Along with the frequency converter, the counter-balance system also optimizes the mechanical forces the door mechanism endures during standard operation, resulting in minimized maintenance requirements.

The Lucid C120 is equipped with a standard safety light grid which offers protection up to a height of 2000 or 2500 mm (depending on the door height), providing optimal security for personnel, as well as goods.

Benefits of the Lucid C120:

- Smooth and safe operation under air pressure within wind load resistance capacity,
- Improved wind load resistance due to integrated wind rollers,
- Fast, maximum speed up to 1,5 m/s,
- Can easily work 100.000 cycles per year,
- Functional with industrial process requirements,
- Fast and quiet operation due to frequency converter.



D120/D120S





Lucid D120 folding door is the optimum solution to any situation where a door system with speed and strength is required. Depending on the door dimensions, the Lucid D120 features wind load resistance of up to Class 2 as per EN 12424 (smaller dimensions provide better wind load resistance). The Lucid D120 has higher air permeability than Lucid rolling door, so for cases where wind load resistance is a greater priority than air permeability, the Lucid D120 provides an optimum solution for exterior doorways and large indoor openings.

The Lucid D120 helps to increase productivity and optimize energy management. It is quite easy to maintain this door because it works on a simple principle: the Lucid D120 is lifted vertically by straps fixed to horizontal wind bars embedded in the door curtain.

Once you install the Lucid D120, you will discover firsthand the improvement from any prior experience with door systems. For now, let us emphasize that the main difference lies in small details.

The Lucid D120 is built to last, using long-life materials. The self-supporting C-shaped frame structure is made of galvanized steel. In cases when the lintel space inside the building is too low, the Lucid D120 can be installed outside the building. The door curtain comprises of UV protected high-strength PVC to ensure long life.

Optional features of the Lucid D120:

As an option, Lucid D120 doors with a frequency controller provides soft start and stop functions to reduce stress on mechanics of the door and to increase the lifetime of the door system.

The optional transparent door curtain provides better visibility and safety against oncoming traffic. The Lucid D120 can also feature vision panels in the door curtain to allow natural light into the building and to create a more aesthetical building façade.

When the emergency operation option is requested, the Lucid D120 is delivered with a battery backup unit and/or a counterweight system.

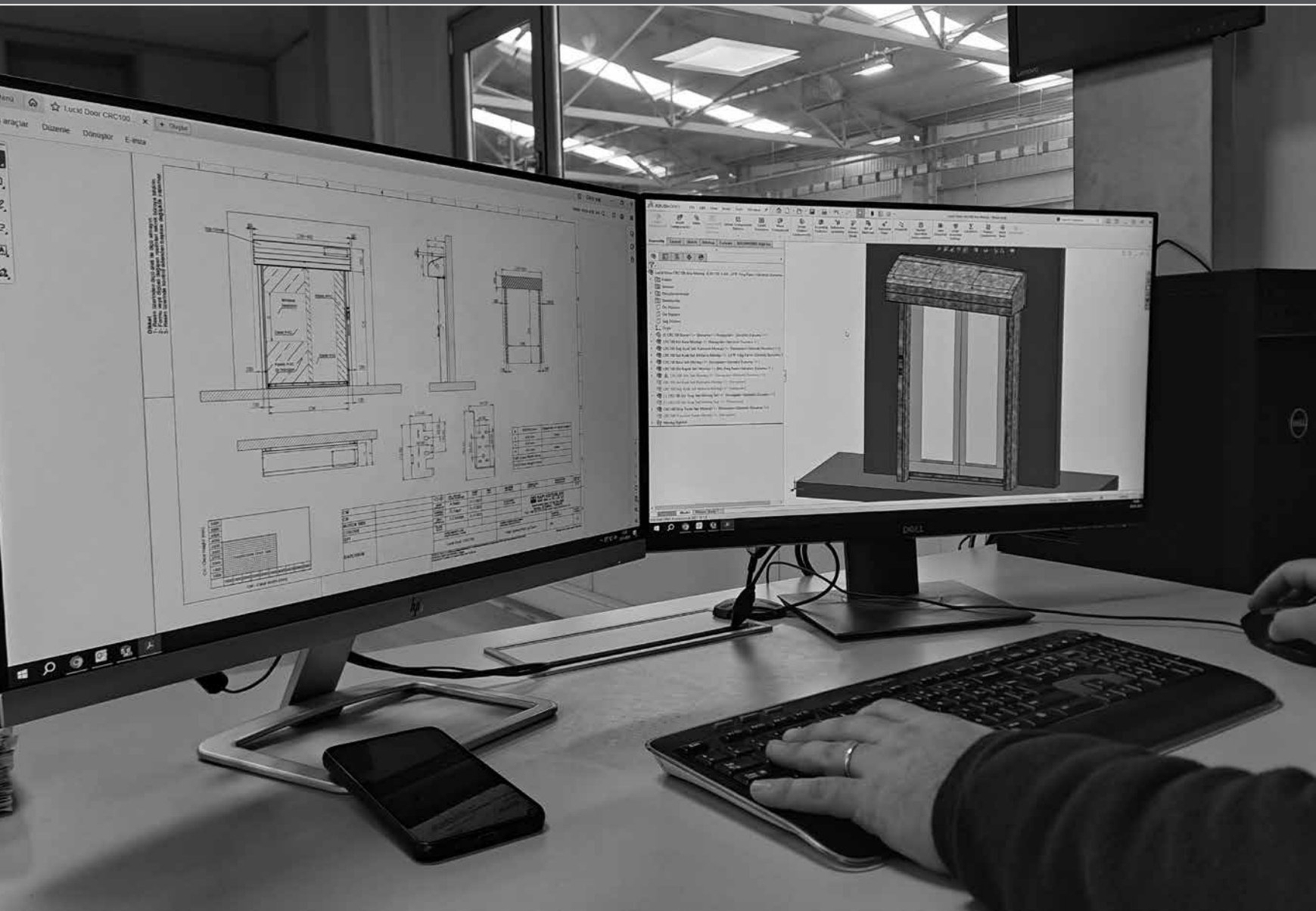
Benefits of the Lucid D120:

- Superior strength design for medium size openings,
- Economic solution self-supporting steel structure,
- Smoother traffic flow due to fast operating speed,
- Reduced energy cost due to minimized temperature changes,
- Sealing off dust, dirt, and noise,
- Low maintenance requirements.



D120/D120S

You can have normal results by making normal things. Regular stuff don't have high demands. They don't require high effort, dedication or a strong will. That's why they are regular. If you aim to be special, you can't follow regular practices. To become a game changer in what you do, to create something that is worth telling a century after, these are not achievable with everyday commitment. They are achievable only if you have a special kind of commitment, a burning desire for greatness every single day. However, special projects have specialized needs. Through that path of glory, you will have some needs that require specific solutions. No matter how talented, how committed you are, it is impossible to fix a car that went on the blink without a proper toolkit. You need contributors that match your caliber. A loyal sidekick that shows up every time you need it. Sturdy, tailor-made and everlasting. That is what Lucid Special Doors are designed for: Forget about the good, do not overvalue the great, aim to be the best!



Special doors	F140	I140-C/F	CR100	CRC100	M140	M140-FS	A120-MP	A120-MP-USD
Size range								
Width (max)	4000 mm	4000 mm	3500 mm	3500 mm	3500 mm	3500 mm	5000 mm	5000 mm
Height (max)	4500 mm	4500 mm	3500 mm	3500 mm	3500 mm	3500 mm	4500 mm	3500 mm
Speed								
With standard WU control								
Max opening / closing speed	0,8 m/s	0,8 m/s	0,8 m/s	0,8 m/s	0,8 m/s	0,8 m/s	0,8 m/s	0,8 m/s
With optional FU control								
Max opening / closing speed	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	2,0 m/s - 1,0 m/s	2,0 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s	1,5 m/s - 1,0 m/s
Safety								
Photoeye	●	●	○	○	○	○	○	○
Light grid	○	○	●	●	●	●	●	●
Resistive safety edge	○	—	—	—	○	○	○	○
Manual release								
Short crank handle	●	●	●	—	●	●	●	●
Manual chain override	○	○	○	—	○	○	○	—
Auto opening with balance system	●	—	—	●	—	—	○	—
Door leaf								
Fabric pvc full curtain-1mm	●	—	—	—	—	—	●	—
Vision panel clear pvc 2 mm	○	○	○	○	○	○	○	○
Clear pvc with warning strips-2 mm	—	—	●	●	○	○	○	○
Monofilament thick pvc-2 mm	—	—	○	○	●	●	○	●
Isolated curtain	—	●	—	—	—	—	—	—
Wind bars								
Spring steel	●	●	—	—	—	—	●	○
Wind roller	—	—	●	●	●	●	●	●
Bottom profile								
Anodised aluminium	○	—	—	—	●	●	●	●
Anodised aluminium with ACS-Anticrash system	○	—	—	—	—	—	—	—
Curtain with internal steel weight	●	●	●	●	—	—	—	—
Balance & Curtain Tension								
Balance counterweight	●	—	—	—	—	—	—	—
Balance spring	—	—	—	●	—	—	—	—
Construction								
Galvanised steel	○	●	●	○	●	●	●	●
Stainless steel	●	○	○	●	○	○	○	○
Powder coating	○	○	○	○	○	○	○	○
Free self-standing frame	—	—	—	—	—	●	—	○
Upside down construction	—	—	—	—	—	—	—	●
Wind class								
EN12424	class 0	class 0	class 1	class 1	class 0	class 0	class 2	class 0

F140





Food processing

Hygiene is the top priority for food industry.

Food processing spaces should permit good practices, be easy to clean and to disinfect, and should protect food against external sources of contamination, such as pests and bacteria.

When going into a food processing or distribution plant, probably the first thing to notice is the drop in temperature once inside. Food keeps freshest and retains its nutritional qualities best in cooler environments, while lower temperatures also help to reduce bacterial activity and therefore maintain hygiene standards.

As far as bacterial activity is concerned, it is crucial that any surface that comes into direct or indirect contact with food is exceptionally smooth and strong against surface cracks. Should any component of a door start to crack, rot or peel, the exposed surface can reveal environments in which bacteria may reproduce, which will compromise hygiene.

Keeping inside temperature levels stable and enabling easy access for goods without excess contamination are essential goals in order to maintain and improve the efficiency of any food processing facility and the quality of products.

Luciddoor Sales Team is highly experienced in choosing the right solution for hygienic areas. Simply define your requirements and get a consultation for the best solution for your specific case.

The Lucid F140 was created based upon professional field experience. All metal surfaces are made of stainless steel. The PVC door curtain is made of FDA approved hygienic material. All components are designed to withstand regular washdowns, steam cleaning and cleaning chemicals for disinfection. The door curtain is designed to be extra tight to limit water and air penetration.

In case of extremely strict requirements an airlock solution comprising of two doors may be offered. Luciddoor controls are capable enough without any changes to build different scenarios.

Benefits of the Lucid F140

- Slim frames and smaller side and top space requirements,
- Easily removable frames for thorough cleaning,
- Durability against steam cleaners and cleaning agents,
- Stainless steel construction,
- FDA approved anti-bacterial door curtain.



1740



Lucid I140F (Freezer) and Lucid I140C (Chiller) doors for cold storage

The design stage of a cold storage space incorporates numerous decisions that need to be made with precision. There are several factors that need to be taken into consideration; such as temperature differences between adjacent and/or adjoining spaces, cooling and humidity control system specifications, space dimensions, logistic flow, corridor design, lighting, cleaning and care, drainage, nature of stored goods and doors.

With a broad understanding of industry requirements, Luciddoor design engineers introduce the Lucid I140F and Lucid I140C to optimally address the specific demands of freezer and chiller spaces, respectively. The Lucid I140F and Lucid I140C are designed to satisfy the precise specifications in such spaces while allowing smooth traffic flow and minimizing ice and frost buildup. Selecting the proper doors for a cold storage space requires well defined specifications regarding the following:

Selecting the proper doors for a cold storage space requires well defined specifications regarding the following:

- Temperature difference between adjacent and/or adjoining spaces,
- Daily opening and closing frequency of the door system,
- The presence or absence of a bottleneck,
- Pressure difference between adjoining spaces,
- Cleaning procedure and compatible door system material,
- Defrosting procedure,
- Activators,
- Safety devices required.

Budget is another key factor in decision making; however, in most cases, operating costs (i.e. energy, repair and maintenance costs, as well as work loss caused by interruption) consequently, make up for a bigger portion of the total budget than the initial investment cost.

Workflow and traffic in and out of the storage space are also defining factors when selecting the proper door system.

Typically, atmospheric conditions and workflow around a cold storage area dictates the deployment of airlocks created by at least two doors operating in tandem. An airlock constituted by two doors facilitates maintaining temperature and pressure differences between spaces before and after the airlock. The transporter would enter the airlock through the first door, causing a fluctuation of atmospheric conditions in the airlock. By the time the transporter reaches the second door, the first door would have been closed, and the air conditioning system would ideally have rectified the atmospheric conditions inside the airlock; thus, successfully segregating atmospheric conditions on either side of the airlock. The deployment of an air lock reduces the risk of icing and generates energy savings. An airlock may also be employed as a security feature.

Shortcomings in selecting the proper door system could potentially lead to numerous inconveniences including, but not limited to:

- Energy loss,
- Unsafe working environment due to icing,
- Material damage to door system,
- Time loss due to excessive maintenance and repair interruptions.

Luciddoor design engineers strive to assist businesses in enhancing energy efficiency and smoother climate control. The Lucid I140C (Chiller) and Lucid I140F (Freezer) are optimal solutions for all cold storage spaces.

The Lucid I140C is designed for high traffic areas with temperature above 0°C, while the Lucid I140F is optimal for dual-climate facilities where temperature up to -30°C open into ambient temperatures.



Benefits of the Lucid I140F/C

- Combine fast speeds and reliable thermal barrier,
- Protect product quality in critical temperature zones,
- Equipped with light curtain to help to prevent accidents and damages.



I140

M1740



- In 2017, it is reported that 94% of all motor vehicle crashes are related to human error causes.
- According to the 2003 International Air Transport Association (IATA) Safety Report, approximately 80% of airplane accidents are due to human error.
- A study commissioned by the Queensland Resources Council showed 57% of errors in mining accidents were human mistakes - the person did not have the necessary ability to do the correct thing at the time, particularly to correct an error of judgement.
- In 2019, accident reports show that as many as 90% of industrial accidents have been attributed to human error, indicating some failure on the part of the injured person or by a co-worker.

We are human. We make mistakes. Don't take risk, take Lucid Machine Production Doors.



In industrial areas, requirements in automated manufacturing processes are high. Smallest errors in the process can break down the production flow or may lead to hazardous situations.

Machine protection doors

The Lucid M140 is designed to keep personnel safe from manufacturing process-related hazards in highly automated areas of the most demanding manufacturing processes. The Lucid M140 automated barrier doors offer optimum protection by restricting access and guarding against process driven hazards as well as optional extra safety devices with PLe specifications (Cat. 4) per EN/ISO 13849-1. Lucid M140 complete door SISTEMA test report Cat2 Pld.



The switches and controls are capable of reaching Cat 4 (per 954-1), PLe (per ISO 13489-1) and/or SIL 3 (per EN IEC 62061) when integrated properly.

The space saving design of the Lucid M140 facilitates perfect integration with other machine guarding applications. The lack of a counterbalance mechanism enables the slim side frame of the Lucid M140 to fit snugly in the most confined installation positions.

The control unit of the Lucid M140 with its abundant features can easily be integrated into existing controls to enable full automation of the manufacturing process.

Lucid M140 features three different curtain types:

- Fully transparent curtain with warning stripes,
- Full curtain made of hard-wearing fabric,
- Flame resistant and UV protective fabric curtains,

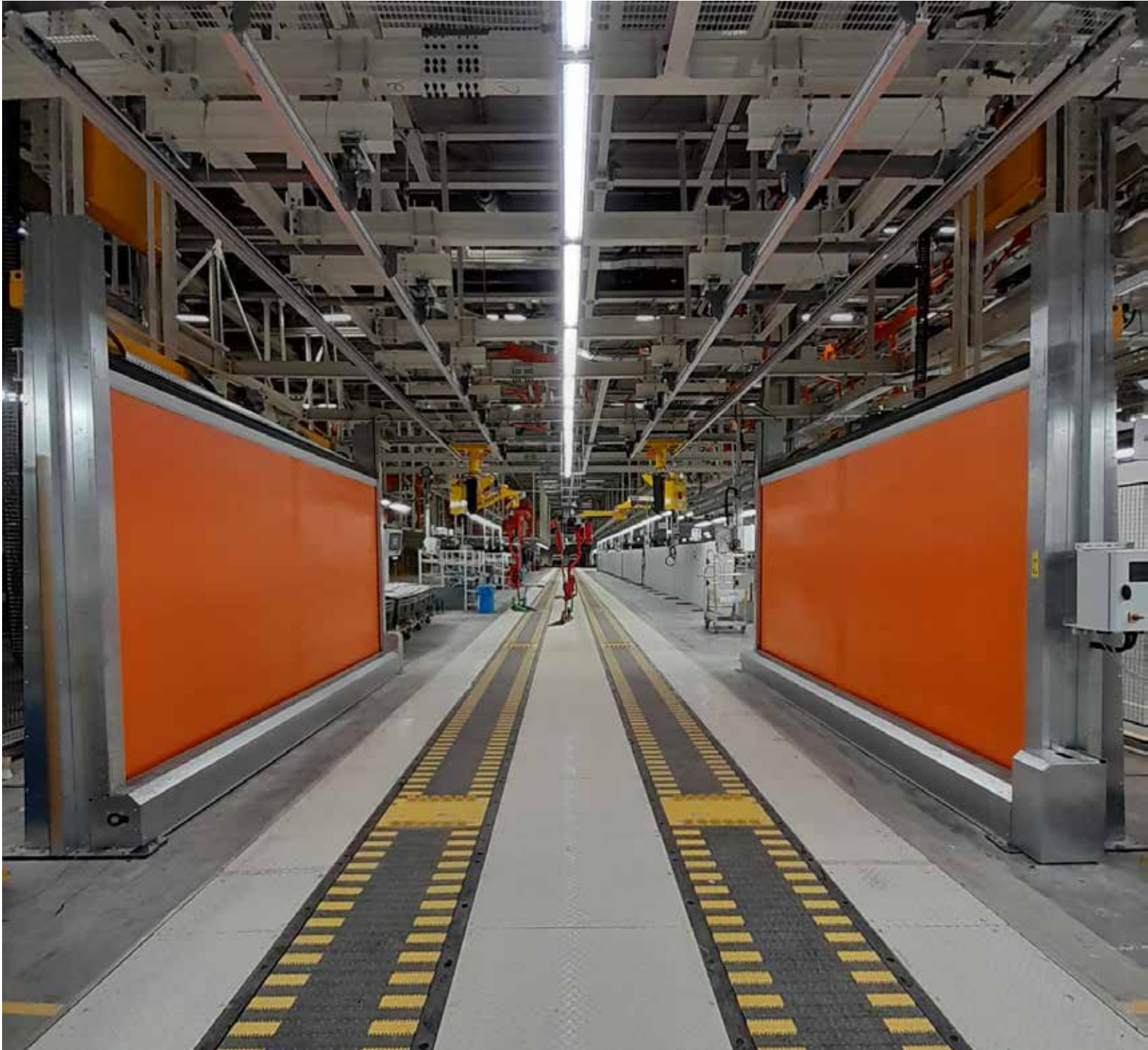
The M140 is an ideal alternative for light curtains or area scanners.

The durability and low maintenance requirements of the Lucid M140 makes it a popular choice in automotive, machinery and other heavy manufacturing industries in areas such as robotic welding/fixed automation, production lines, machining centres and cutting systems.

Benefits of the Lucid M140

- Safer than light curtains,
- Protects employees and machinery,
- Increases productivity. Most application is small cell and provides space in facilities,
- Reduces risk by providing clear vision for operators,
- Durable against hazard driven applications including weld flash/sparks/smoke, mist, flying debris and other exposure,
- Robust construction,
- Free self-standing frame option.

M1740





CERTIFICATION

Certificate - ISO 9001:2015	TUV NORD
Certificate - ISO 10002	TUV NORD
Test report - EN13241-1:2003+A2:2016	TUV NORD
Test report - EN12424-Wind force	<p>"TUV NORD-A120 Full curtain class 3<=4000, Monofilament curtain class 2<=4000; Strip curtain class 3<=4000"</p>
Test report - EN12424-Wind force	<p>"TUV NORD-M140 Monofilament curtain class 2<=3000 Strip curtain class 2<=3000 Monofilament curtain class 0 >3000 <=6000 Strip curtain class 1 >3000 <=6000"</p>
Test report - EN12604:2000	TUV NORD-Pass
Test report - EN12445:2000	TUV NORD-Pass
Test report - EN12453:2001	TUV NORD-Pass
2006/42/EC Machinery directive	TUV AUSTRIA-CE marking
EN ISO 12100:2010	TUV AUSTRIA
EN 60204-1:2018 (18.2-18.3-18.4)	TUV AUSTRIA-Pass
EN ISO 14120:2015 annex C	TUV AUSTRIA-E=115 J-90 kg-1,6 m/s
EN ISO 13849-1:2015	TUV AUSTRIA-PL d
EN ISO 13849-1:2015, ISO 13849-2:2012	SISTEMA-PL d

M140

CR100/CRC100

How much error margin do you think a door has? A decimeter, a centimeter or a millimeter? What if I say sometimes 0,04 micrometers are large enough to have lethal costs. That 0,04 micrometers is the size of a virus. There are some things in life that can't tolerate failure. A single, tiny mistake can have huge consequences. That's the main principle of Lucid Clean Room Doors. Shielding against the air fluctuation from outside to inside, Lucid Clean Room Doors provide a fully isolated state for your disinfected area prevent the entrance of any unwanted particles. As Niklaus Wirth once said: "In our profession, precision and perfection are not a dispensable luxury but a simple necessity."





Lucid CR100/CRC100 Clean Room Doors

The high precision and hygiene requirements of certain manufacturing processes in industries such as medicine, pharmaceuticals, biotechnology, electronics, aeronautics, medical device manufacture and automotive necessitate special clean working environments known as “clean rooms”. The air circulation in clean rooms is critical since dust and airborne debris may result in damage or contamination to the manufacturing process of certain products.

The doors which separate clean rooms and regular ambient conditions are therefore expected to open and close fast in order to minimize the risk of airborne contamination.

The Lucid CR100/CRC100 was designed specifically to address the requirements of clean room applications.

Luciddoor clean room doors feature stainless steel structures with smooth and easy-to-clean surfaces which prevent the accumulation of particle deposits.

The minimally sized side columns and top sections of the Lucid CR100/CRC100 allow for installation in confined areas. The door curtain works very tightly inside the side columns to minimize pressure loss.

The door movement is mainly triggered by contactless sensors. For applications with exceedingly high sensitivity requirements, an airlock conceived by two sequential clean room doors is recommendable.

Lucid CR100/CRC100 doors are an efficient and powerful tool for conveyor applications between factory production areas and warehouses in order to sustain clean material handling processes.



Benefits of the Lucid CR100/CRC100

- Low particle emission,
- Low air exchange,
- Minimize pressure drop and reduce cleanroom energy and filtration costs,
- Integrated contactless opening switch on column,
- Complete cover motor and top roll,
- Compliance with ISO 14644-1, ISO 5,6 classification,
- All materials comply with USDA, FDA and GMP guidelines.



CR100/CRC100

"No dreamer is ever too small; no dream is ever too big."

Remaining strong in small areas is easier. Distances are shorter and every corner of the area is in your reach. To explain this concept, Johan Cruyff, Dutch football legend, once asked "How much space must I defend?" in an interview in his backyard. "If I have to defend this whole garden, I'm the worst. If I have to defend this small area, I'm the best." However, there are some large areas in life that you have to defend. Neither all the spaces are small nor are easy to fill. Covering bigger grounds is challenging but in life, nothing worth having comes easy. To be able to win big, you have to be able to dream big. You can't produce big results with a small vision. We never forgot that when we developed Lucid Hangar Doors. Combining big ideas and hard work, we engineered a door that moves even smoother and faster than noticeably smaller doors. It's Lucid Hangar Doors, the heavyweight champion of doors!

H120-H200-H300-H1000





H1200-H2000-H3000-H10000



Lucid hangar doors are used in the buildings with large opening dimensions. Lucid provides solutions to extraordinary access challenges where environmental and climate require great demands on the door.

Lucid engineers design each door to fulfil specific customer requirements and calculate the wind load for the request. Architects use these products for aircraft hangars, shipyards, mines, bridge crane openings and great passage applications.

Design

Each hangar doors are manufactured according to your specifications, so we suggest communication from designing stage till installation phase.

Lucid hangar doors do not need big rooms at the top of the buildings. Architects freely locate the door inside or outside buildings.

Unlimited width sizes

Lucid hangar doors can be provided in nearly all dimensions with mullions, we can reach unlimited width sizes. Height also limited with your needs.

Our goal

- To reduce building structure cost,
- To help energy savings,
- To create safety environments,
- To minimize maintenance costs.



Door systems with mullion:

Lucid hangar doors can be made unlimited width. The innovative multi-leaf door system design with the swing-up mullions permits to manufacture the door according to the aircraft fleet shape with maximum space utilization.

If the door's clear passage opening is large, Luciddoor engineers lighten the door construction by dividing the door into small pieces with the help of a mullion column, without compromising wind resistance.

When the door is divided into smaller pieces, the depth of the door will decrease compared to the situation before the division. Small size doors are lighter and will give less additional load to the building construction and reduce the construction cost.

The mullion is normally lift-up with its own crane. Each door and mullion have own motor and control with push buttons. The door system has safe equipment to use of each door and mullion.

H120-H200-H300-H1000

H1000



Lucid H1000: The essential

“Many things are good, many are important, but only a few are essential.”

Luciddoor's vast experience in manufacturing hangar doors has proven that our vertical folding doors are the best solution in large-scale door locations. Lucid H1000 is our most essential product in this category. It covers large openings, it is extremely reliable and has minimal service requirements. While being lightweight in structure, it provides excellent thermal and sound insulation and is durable.



Not your standard door, it's a door with standards.

All our vertical folding doors are complying with applicable standards. We tailor your Lucid H1000 according to your specific needs and requirements so you can enjoy standardised quality while getting exactly what you need.



Sky is the limit!

In very large openings such as hangar door openings, width and height are not limited thanks to Luciddoor's mullion solution. You get as much as you ask for.

Nature isn't always your friend.

Due to its resiliency and durability, Lucid H1000 is the door to be used in harsh environments where the requirements are demanding. Luciddoor engineers design each door by fulfilling special customer demands and calculating the desired wind load.

H1000

H1000



Luciddoor manufactures doors to address your needs for very large openings. Your field might be manufacturing industry, mining and mineral processing, sandblasting and painting facilities, energy, recycling, shipyards, aircraft hangars. Doesn't matter, we got you covered! Whether you're looking for hangar doors, industrial doors, shipyard doors, crane doors or bridge crane openings; you are at the right place, we got solutions for all of those.



H10000

H1000





H10000

H1000





H10000

H1000





H10000

H1000





*No matter how hard wind blows,
quality always stands firm.*



H1000





H200/H300





Lucid H200/300 hangar door is designed for medium size hangar and shipyard door. Lucid H200/300 doors are not only resistant to wind, salt and temperature changes, but also protect against sand, dust, mold and rot.

There are no width limits to the size and configuration of the Lucid H200/300 hangar door.

If there is one width door limit for Lucid H200/300, lucid engineers use their mullion system and divide door with possible Lucid H200/300 width. User open each door separately or all together in multiple door configurations.

The use of Lucid H200/300 with mullion system supply budget advantage and cost savings in construction. Lucid fabric hangar door Lucid H200/300 has some big advantages against sliding hangar doors. Because of there is no track on ground, snow, ice, sand, dust is not affecting the Lucid hangar door operation

Benefits of Lucid H200/300

- Aluminium structure, light and strong,
- Reliable operation and robust design,
- Suitable for tough environment,
- By using mullion configuration give chance to, architects flexible design chance,
- Low maintenance cost.

H200/H300

H120





Lucid H120 hangar door is designed for large openings for industrial environments.

Lucid engineers designed the Lucid H120 door as a transition door resistant to humidity, dust, high temperature and windy areas in the industry.

Luciddoor skilled engineers design each door to fulfil specific project requirement and customer request.

Robust design of the Lucid H120 give chance to user operational reliability and low maintenance expense.

Benefits of Lucid H120

- Light and strong self-standing door construction,
- Suitable for tough industrial environment,
- Suitable to use in retractable tunnel and industrial tents,
- Low maintenance cost,
- Well-sealed, energy efficient.

H120

Lucid hangar doors	Lucid H120	Lucid H200	Lucid H300	Lucid H1000	Lucid mullion systems
Wind load	0,5-1 N/m ²	0,7-1,7 N/m ²	0,7-1,7 N/m ²	0,7-4 N/m ²	0,7-2,5 N/m ²
Width max. (mm)	8000	13200	20000	40000	Unlimited
Height max. (mm)	12000	24000	25000	30000	25000
Depth (mm)	120	200	300	600-2000	120-2000
Power supply	3 - phase 400V-50hz (other options available on request)				
Control voltage	24V DC				
Fabric	<p>Temperature resistance -40 RC / +70 RC DIN EN 1876-1 -40 RF / +158 RF ASTM D-2136E</p> <p>Tensile strength 4300/4000 N/50 mm DIN EN ISO 1421 430/400 lbs ASTM D-751 procedure B</p> <p>Total weight 900 g/m² DIN EN ISO 2286 26,5 oz./sq.yd ASTM D-751.10</p> <p>UV Stabilized</p> <p>Fire test Standard curtain ISO 3795 <100 mm/min. FR curtain DIN 4102: B1 EN 13501-1: B-s3-d0 NFP 92507: M2 BS 7837 GHOST: G1</p>				
Main construction	Hybrid-Steel+Aluminium	Aluminium		Steel	
Truck	Steel	Aluminium			
Bottom profile	Steel frame				
Motor quantity	1-2				
Lifting Polyester band (PB) PB Or steel rope (StR)	2 Pcs	PB 2 Pcs	PB 2-4 Pcs	St 4 Pcs	PB 2 Pcs / St 2 Pcs
Safety factor	>10				
Safety devices	Slack strap device and load arresters with wind lock, pneumatic safety device, photocells				

LUCIDDOOR[®]



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LUCIDDOOR®

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