

The image shows the interior of a modern elevator. The walls are a vibrant blue, and the ceiling is white with a circular ventilation grille and two recessed lighting fixtures. The elevator doors are closed, showing a white panel. A horizontal metallic bar is mounted across the doors. On the left side, there is a control panel with several buttons and a directional sign with an upward arrow and the number "14".

MODERN ELEVATOR EXPERIENCES FOR LOW & MID RISE BUILDINGS

KONE | MonoSpace®



KONE I MonoSpace®

ELEVATE YOUR EXPERIENCE

↑ IMPROVED COMFORT

↑ INSPIRED DESIGN

↑ INCREASED ECO-EFFICIENCY

↑ IDEAL PARTNER

Bring in the gearless

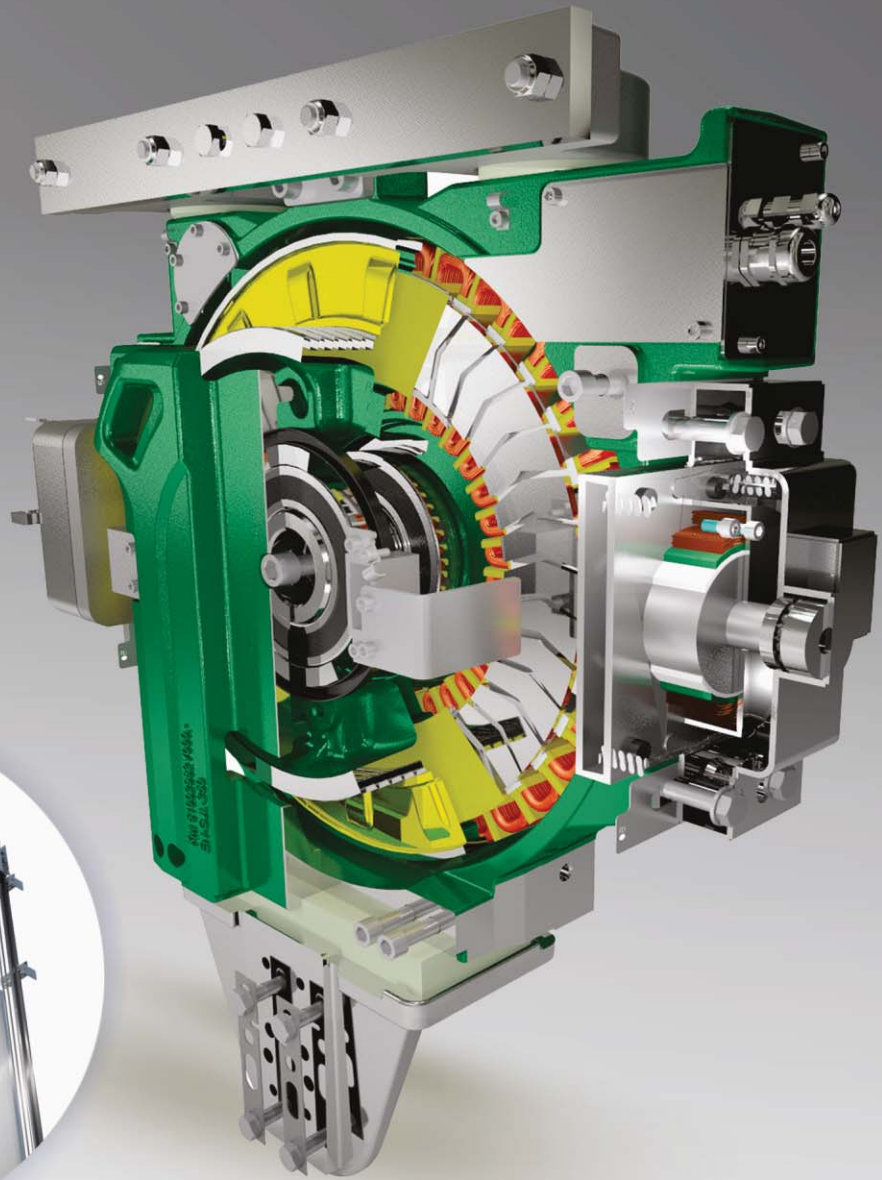
Designed keeping the needs of low and mid-rise buildings in mind, the KONE I MonoSpace rises above the ordinary with its gearless technology, offering safer, smoother and more comfortable rides for the building's users. It makes the building look modern and contemporary. Combining advanced technology with practicality and durability, with speeds that can be extended to 1.6 mps for the new urban generation on the fast track, the KONE I MonoSpace takes the quality of elevator experience higher. For all people closely attached to the building - the builder, developer, architect, facility manager and the end user.



KONE I MonoSpace®

Application	Machine-room-less
Max Speed	1.6 m/s
Max Travel	90 m
Max no. of stops	32
Max Load	1020 kgs
Persons	Upto 15
Max Group Size	2
Control System	Full collective





Powered by KONE EcoDisc® - the pioneer in gearless technology

The KONE 1 MonoSpace® is powered by KONE EcoDisc that revolutionized the elevator industry way back in 1996, confirming KONE as a technology leader. Continuous R&D and innovations have resulted in a hoisting technology that has redefined the standards in ride comfort & energy savings, to the utmost satisfaction of end users and customers.

■ More efficient than traditional machines

The KONE EcoDisc® needs less starting current, consumes less power and needs no oil. Less starting current means smaller back-up generators, that saves costs.

The gearless solution means no losses due to inefficient gears, resulting in savings in running energy costs while ensuring smooth, safe and comfortable rides every time.

■ Improved machinery and brakes

The new, highly reliable motor control system further improves ride comfort, with smooth acceleration & deceleration, and highly accurate car leveling.

The new brake test functionality automatically checks brake condition every day. This helps to further improve safety and reliability.

Pleasant travel during every ride

■ Minimized noise & vibration

Centralized, low-friction hoisting and the renewed car structure cuts noise & vibration, improving passenger comfort and minimizing disturbance to the surrounding areas.

■ Saves precious building space

The gearless technology does away with the need for a machine room, freeing considerable building space for other use. Being machine-room-less also saves valuable time and man power required for its construction and maintenance.



■ Safety is top priority

KONE I MonoSpace® elevator solution includes a wide range of features that are designed to both maximize safety for passengers and make it easy to inspect the condition of your equipment to ensure that it operates safely at all times.

- Daily automatic brake testing
- Proven rope technology that is easy to inspect
- A curtain of light to ensure safe entry and exit
- Accurate landing that eliminates risk of tripping
- Inbuilt CDL (Car Door Lock) feature ensures increased safety by locking the doors when the elevator gets stuck in between floors during power cuts.
- Emergency Rescue Device (optional) ensures automatic rescue of passengers during emergencies such as power failures.

■ Easy accessibility for every one

In depth research on differing end user requirements makes KONE I MonoSpace accessible to all. With its ease of access and clarity in design, elders, kids and the wheel chair traveller feel at ease in the elevator.





Enhanced appeal of contemporary design

1 Boosting the building image

It is an elevator that first welcomes people into the building. The KONE I MonoSpace® is designed to make buildings immediately attractive. With its contemporary designs, vibrant colours and fine finish, it adds to the building's appeal, creating first impressions that linger long.

2 Lighting at its most pleasant

The KONE I MonoSpace utilizes the latest LED technology. It also comes in Honeycomb patterned fluorescent lighting that lends a modern vibe with its uniform throw.

KONE has also thoughtfully integrated a car emergency light that illuminates the elevator entrance even during power cuts.

3 Inspired by vaasthu

An indepth study of Indian preferences has resulted in the choice of rejuvenating colour themes for the design. KONE I MonoSpace comes in colours that are fresh and energetic, representing the five elements of nature, keeping vaasthu in mind.

4 Designed to enhance space

The Car Operating Panel flushed seamlessly with the walls creates an increased space effect, making the KONE I MonoSpace feel bigger. The bright and bold display adds to the aesthetics, while also giving the interiors a modern touch.

KONE RL20 LED lighting design has won 3 Global Design Awards in 2014



Designs inspired by the five elements

■ Easy to choose product range

The KONE I MonoSpace® comes as a compact range with standard variants, all based on the five natural elements. The simple specifications lead to an easy and uncomplicated selection process. With KONE I MonoSpace deciding on what suits your building best is never a time consuming, complex task.

SunGlow



IMSP 005



IMSP 006



IMSP 007

DewDrop



IMPD 003



IMPD 004

SandStone



IMPD 001



IMPD 002

CoolBreeze



IMPP 010



IMPP 011

MilkyWay



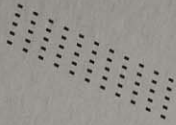
IMSS 008



IMSS 009

- SS ceiling & the vandal resistant SS wall panel options available for the MilkyWay range.
- All cars come with Powder coated round handrail (HR 64S) as standard, Flat handrail (HR 20) is optional. Round handrail HR 64S is also available in SS finish as optional.
- Pyramid lighting RL 75F is available as optional ceiling.
- Granite flooring is optional (customer scope)

1
8
544
KONE



RESCUE



OVER
LOAD

STOP



8

9

6

7

4

5


2

3

0

1





Designs that elevate the building's look and feel

- 1** The KONE I MonoSpace® features the KDS 90 Signalization which adds a dash of elegance and gives a contemporary look to the elevator.
- 2** KDS 90 Signalization is a full height, flush signalization that creates an increased space effect and gives a 'more wall' feeling, enhancing the overall effect.
- 3** The KDS 90 Signalization features a bigger display for better visibility, contemporary surface mounted square buttons and well designed layout that lends a global look and feel to the car.
- 4** The KDS 90 signalization also comes with Braille button option, making the elevator easily accessible for the visually challenged.

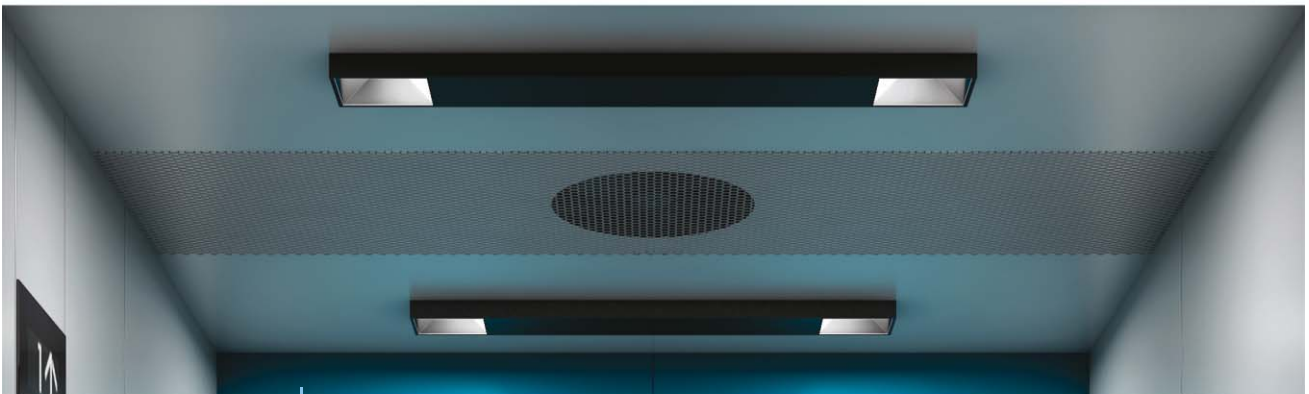
Lightings designed to captivate



RL 20 Ceiling

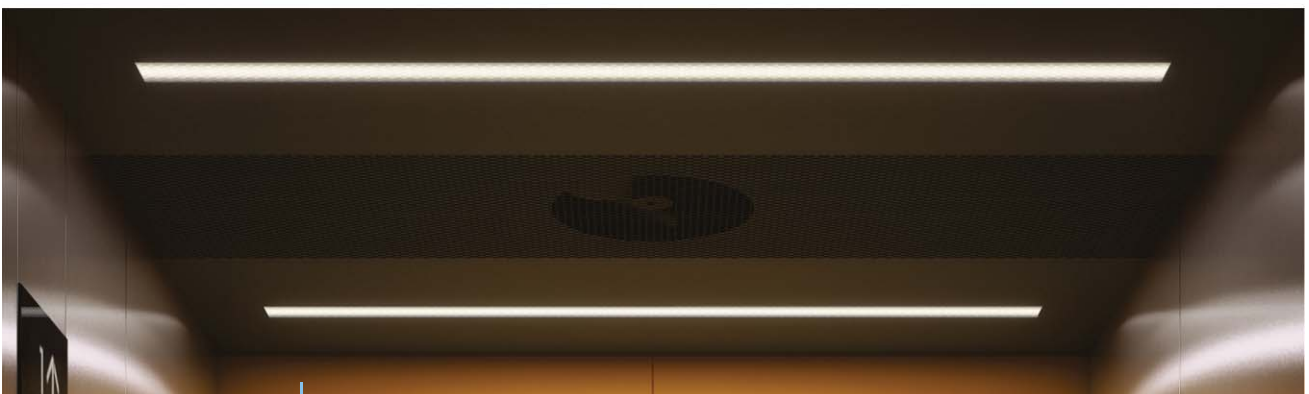
The architecturally designed award winning RL 20 LED lighting*, adds warmth to the contemporary car, softly illuminating elevator interiors and brightening up the senses.

*Available only upto 10 passenger car capacity



RL 75F Ceiling

The aesthetically designed pyramid inspired RL 75F LED lighting lends a touch of class to the modern car, giving a pleasant lighting experience by playing with the reflected and diffused effects of light.



Honeycomb Ceiling

Inspired from the translucent cellular hexagonal design, this Honeycomb patterned fluorescent lighting enhances the elevator car with its smooth and uniform throw of light.

Accessories that complement the modern life style

Landing signalization

Flush mounted design

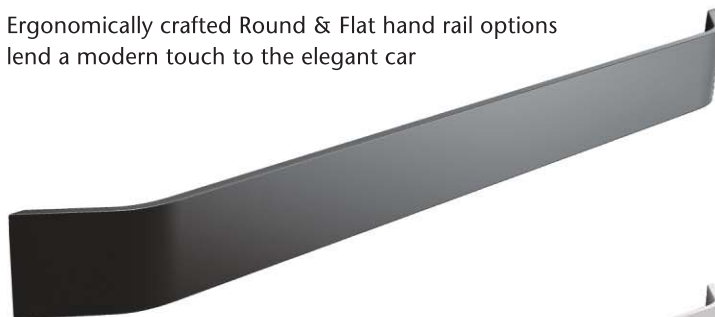


Surface mounted design



Hand rail

Ergonomically crafted Round & Flat hand rail options lend a modern touch to the elegant car



Powder coated traffic black (HR 20)



Powder coated silver grey (HR 20)



Powder coated traffic black (HR 64S)



Hairline stainless steel (HR 64S)

Floor

3 different floor designs that give the car a contemporary look and enhance the user experience



Light grey flecks



Dark brown wooden pattern



Dark grey marble pattern

**↑ INCREASED
ECO-EFFICIENCY**



Energy savings that extend with time

Technology that cares for the future

KONE shares the environmental concerns of an increasingly eco-conscious world through constant advancement of its eco-efficient technology.

KONE I MonoSpace® is powered by the Permanent Magnetic Synchronous NMX machine that is significantly more energy efficient than preceding technologies. The completely renewed KONE EcoDisc® hoisting motor and highly efficient drive system deliver even better energy efficiency, helping to reduce both operating costs and your building's carbon footprint.

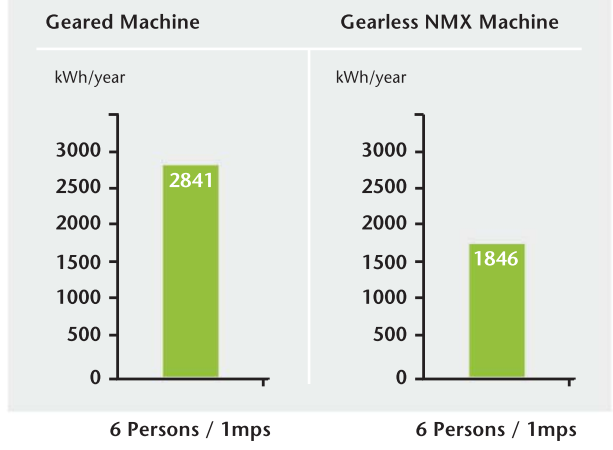
Stand-by mode that saves considerable power

Elevators usually consume energy even when they are not in use. The I MonoSpace® comes with stand-by mode options that save energy when the elevator remains idle.

Automatic car light operation, Power sleep mode and Automatic fan on/off reduce significant electricity costs, making it an ideal solution for both residential and commercial buildings.



Energy consumption per year (Kwh)



 The award winning RL20 LED consumes less power than the usual lighting, saving energy, at the same time enhancing the visual appeal.

Buildings consume about 40% of the world's energy and elevators account for 2 to 10% of energy consumed by the building. KONE's major Corporate Social Responsibility is to strive towards sustainable urban environment for future generations.

Good relationships built to last

■ Partnership from foundation

The KONE team, using globally developed tools to calculate traffic levels and energy consumption well in advance, partners with you during every step of the planning, and in selecting the right capacity elevator for the building.

■ Added value through efficient operations

KONE brings its project management expertise to the fore, during every phase of the construction cycle. Strict Quality criteria are followed at every step of the project. Maximum safety on-site is ensured through uncompromising procedures such as site audits, 5S and installation safety passport.



■ Ride Quality Test

Every elevator is handed over to the customer only after passing a thorough and comprehensive testing that ensures its Ride Quality. With KONE, you can always be sure of highly set standards.

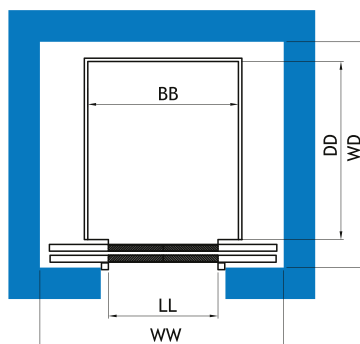
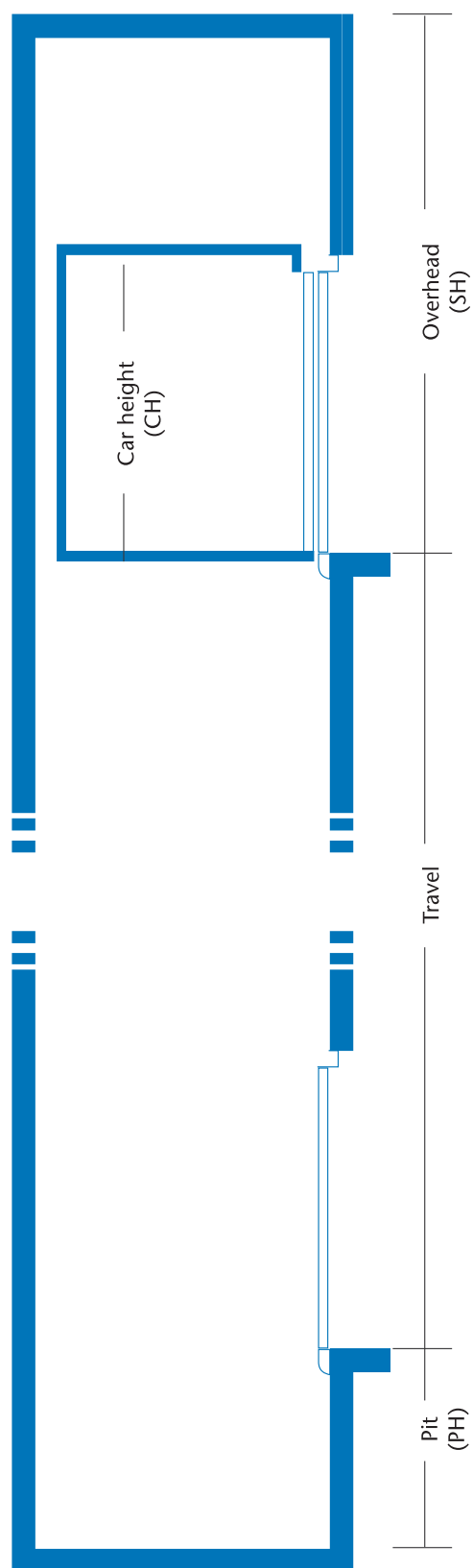
■ Maintenance partner you can trust for life

Preventive KONE Care™ Maintenance solution ensures that the elevators perform to their optimum, at all times and all days. With a nationwide service network and 24/7 service centre, our technicians are just round the corner.

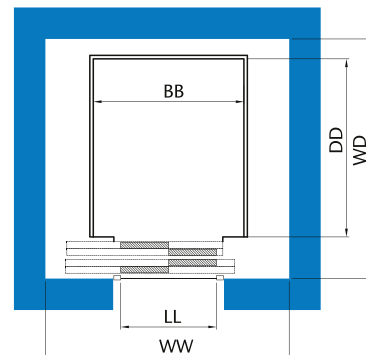


Layout and dimensions

Elevation Layout



Single entrance car
Center opening



Single entrance car
Side opening

KONE I MonoSpace®

Speed	1.0 m/s	1.6 m/s
Standard Car Inside Height (CH) mm	2200/2300	2200/2300
Standard Door Height (H) mm	2000/2100	2000/2100
Maximum Travel (m)	55	90
Standard Pit Height (PH) mm	1400	1500
Standard Headroom Height (SH) mm	3600/3700	3750/3800

* CH2300 HH2100 applicable for Center opening only

Features

Standard features

CEL	Car Emergency Lighting
FRD	Fireman's Drive
COD	Correction drive to next level
ABE M	Alarm Bell
DCB	Door close button
DOB	Door open button
SRC	Curtain of light in car
ACL C	Accurate releveling, automatic, closed door
CCB	Car call backwards
OLF C	Overload function, constant indication/buzzer

WW - Well Width WD - Depth BB - Car Width DD - Car Depth
LL - Door Opening

Shaft Information

SL. No.	No. of Persons	Load [kgs]	Car Width BB [mm]	Car Depth DD [mm]	Door Opening LL [mm]	CENTER OPENING		SIDE OPENING	
						Shaft Width WW [mm]	Shaft Depth WD [mm]	Shaft Width WW [mm]	Shaft Depth WD [mm]
1	5	340	950	1000	700	1550	1475	1500	1575
2	6	408	950	1150	700	1550	1525	1500	1625
3	6	408	1100	1000	700	1650	1475	1650	1575
4	6	408	950	1150	800	1750	1525	1525	1625
5	6	408	1100	1000	800	1750	1475	1650	1575
6	7	476	950	1250	700	1550	1575	1500	1675
7	8 (upto 75m)	544	1100	1300	700	1675	1600	1675	1700
8	8 (upto 75m)	544	1100	1300	800	1775	1600	1675	1700
9	8 (upto 75m)	544	950	1400	700	1575	1700	1525	1800
10	8 (upto 75m)	544	1300	1100	800	1875	1500	1875	1600
11	8 (upto 90m)	544	1100	1300	700	1675	1775	1675	1875
12	8 (upto 90m)	544	1100	1300	800	1775	1775	1675	1875
13	8 (upto 90m)	544	950	1400	700	1575	1825	1525	1925
14	8 (upto 90m)	544	1300	1100	800	1875	1675	1875	1775
15	10 (upto 55m)	680	1300	1350	800	1875	1650	1875	1750
16	10 (upto 55m)	680	1100	1600	800	1775	1900	1675	2000
17	10 (upto 90m)	680	1300	1350	800	1875	1800	1875	1900
18	10 (upto 90m)	680	1100	1600	800	1775	1925	1675	2025
19	13	884	1600	1350	900	2175	1800	2175	1900
20	13	884	1600	1350	1000	2175	1800	2175	1900
21	13	884	1100	2000	800	1775	2300	1675	2400
22	13	884	1100	2000	900	1950	2300	1700	2400
23	15	1020	1600	1500	900	2175	1875	2175	1975
24	15	1020	1600	1500	1000	2175	1875	2175	1975
25	15	1020	1100	2150	800	1775	2450	1675	2550
26	15	1020	1100	2150	900	1950	2450	1700	2550

Note

- All shaft measurements specified are taken over plaster
- Shaft dimensions are to be maintained to a tolerance of 0, +25mm
- For minimum shaft sizes, contact Customer Engineering for details
- 1.6 m/s speed is available from 8P and above capacity

Optional features

EBD A	Emergency Battery Drive Automatic(ARD)
ISE C	Emergency Intercom car-MAP-control room
ISE S	EPABX based intercom for group of elevators
NUD NB	Nudging
ATS IN	Attendant service, India
PAD C	Parking at pre-defined floor, door closed
ACU	Lift Announcer (LAS)
ELF	Extra long floors
BMS	Building Management System
FET	Floor extension Top
FEB	Floor extension Bottom

Optional features

SM LCI	Surface Mounted LCI in KDS90
AC LED	Additional Ceiling with LED lights
ACI	Access Control Interface
CCTV	CC TV interface
SSH	Stainless steel Handrail
HGD	Half Glass door
BB	Braille button options to KDS90

Energy saving features (Standard)

OCL	Operation of car light - automatic
OCV	Operation of car ventilation impulse and automatic
BLF	Bypass load function

KONE provides innovative and eco-efficient solutions for elevators, escalators, automatic building doors and the systems that integrate them with today's intelligent buildings.

We support our customers every step of the way; from design manufacturing and installation to maintenance and modernization. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the lifecycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace®, KONE NanoSpace™ and KONE UltraRope®.

KONE employs close to 52,000 dedicated experts to serve you globally and locally.

KONE India, with a nation-wide network and about 4,000 employees, is committed to its customers for the entire life cycle of its each and every product.

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