

Lighting Tools Interior

Chapter 1
Floorstanding Luminaires



Floorstanding Luminaires



Futurel® SMS
Page 1.2

Wall Luminaires



Futurel® SMS
see section 4



Futurel® 5MS

The floorstanding uplights of the Futurel® 5MS family unite clear, striking forms with the patented ELDAICON® light control system. This creates homogenous distribution of light on the working plane with a high, glare-free direct component. The balanced contrast creates a pleasant atmosphere, and illumination that satisfies current standards for computer workstations.

The luminaires of the Futurel® 5MS family adapt ideally both technically as well as optically to modern office environments with their light quality and high quality design.



- + glare-free direct component with use of transparent ELDAICON® microprismatic technology
- + glare value UGR < 16
- + timeless, slender design
- + rotatable luminaire head
- + two-step switching
- + also available with ambient light sensor and movement sensor
- + versions with multi-sensor have reduced standby consumption of < 0.5W
- + uniform design of luminaire family: as floorstanding or wall luminaire



Electrics

Luminaires wired ready for connection, construction sets with electrical plug connection | with black connection cable, L=2.5m, with shockproof plug | with ECG (with ON/OFF switch on luminaire head) or with ECG DALI (with ON/OFF button and ambience light and presence detector)

Housing

Luminaire head housing of extruded aluminium with diecast support arm, metallic grey (RAL 9006) | ELDAICON® of PMMA | luminaire head end cap with translucent plastic decorative element, can be colour-accentuated | luminaire with modular construction with mechanical and electrical plug connection | luminaire components packed separately: luminaire head / support column / baseplate

Lighting technology

ELDAICON® technology: absolutely glare-free lighting control with highly precise microprismatic structures | CAT 2 ($L \leq 1000 \text{cd/m}^2$) direct/indirect distribution | translucent end cap, can be colour-accentuated (incl. colour foils in colours: red, orange, green, blue, mocca)



Versions of this luminaire with multi-sensor are specified on [Page 1.5](#)



Detailed information about intelligent control of Siteco luminaires can be found in [section 11](#)

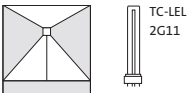
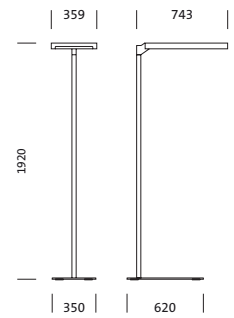


Wall luminaires of this product family are specified in [section 4](#)



Futurel® 5MS | with ELDAICON® | indirect/direct distribution

Futurel® 5MS floorstanding luminaire | with ELDAICON®, indirect/direct distribution, CAT2 ($L \leq 1000\text{cd/m}^2$) | with ECG and two ON/OFF switches | extruded aluminium luminaire head with translucent plastic decorative fringe at luminaire head end cap, can be colour-accentuated, diecast metallic grey (RAL 9006) mounting bracket



Protection rating: IP20
 Insulation class: I
 (incl. colour foils for accenting: red, orange, green, blue, mocca)



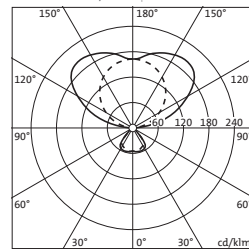
Lamps	Socket	Wt. (kg)	ECG Order No.
indirect/direct distribution			
3x TC-LEL 55W	2G11	26.0	5MS42673UL0
3x TC-LEL 80W	2G11	26.0	5MS42678VL0
4x TC-LEL 55W	2G11	26.0	5MS42674UL0
4x TC-LEL 80W	2G11	25.4	5MS42679VL0

- large luminaire head (3- or 4-lamp): Lx Bx H = 675 x 359 x 44mm
 - uninstalled luminaire

5MS42674UL0

4 x TC-LEL 55W/840 ϕ 19200 lm

η_{LS} 81.3% ϕ 13% ϕ † 87%

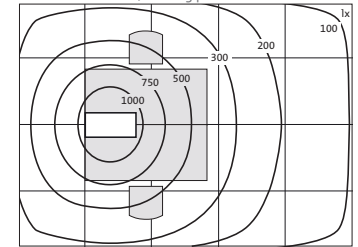


Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	589	599
L ₇₀	713	647
L ₅₀	672	918

Office with double workstation

Room 5 x 3.5 x 2.7 m, working plane h 0.75 m

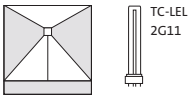
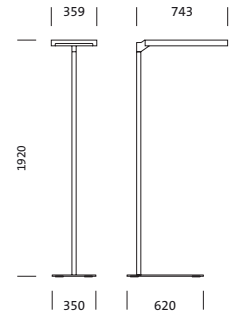


Reflection grade 80/50/30, maintenance factor 0.8
 Em room 496 lx Em table 781 lx



Futurel® 5MS | with ELDAICON® | indirect/direct distribution | direct component separately switchable

Futurel® 5MS floorstanding luminaire | with ELDAICON®, indirect/direct distribution, CAT2 ($L \leq 1000\text{cd/m}^2$) | with ECG and two ON/OFF switches for separately switchable direct light component | extruded aluminium luminaire head with translucent plastic decorative fringe at luminaire head end cap, can be colour-accentuated, diecast metallic grey (RAL 9006) mounting bracket

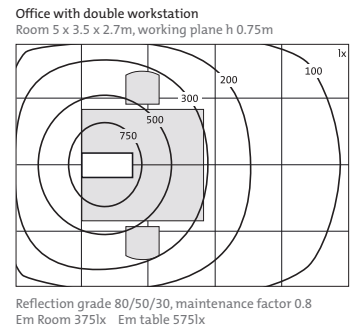
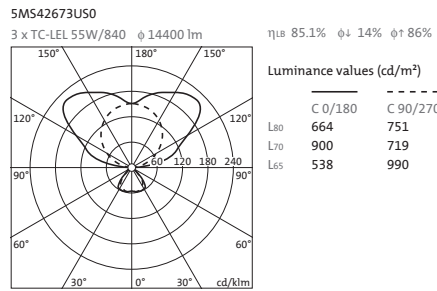


Protection rating: IP20
 Insulation class: I
 (incl. colour foils for accenting: red, orange, green, blue, mocca)



Lamps	Socket	Wt. (kg)	ECG Order No.
3x TC-LEL 55W	2G11	25,9	5MS42673US0

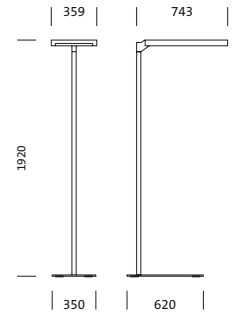
- large luminaire head (3-lamp): Lx Bx H = 675 x 359 x 44mm
- uninstalled luminaire





Futurel® 5MS | with ELDAICON® | indirect/direct distribution | with multi-sensor

Futurel® 5MS floorstanding luminaire | with ELDAICON®, indirect/direct distribution, CAT2 ($L \leq 1000\text{cd/m}^2$) | with ECG DALI, ON/OFF switch and light and presence sensor | extruded aluminium luminaire head with translucent plastic decorative fringe at luminaire head end cap, can be colour-accentuated, diecast metallic grey (RAL 9006) mounting bracket



Protection rating: IP20

Insulation class: I

(incl. colour foils for accenting: red, orange, green, blue, mocca)

function

Fully automatic operation with sensor-controlled ON/OFF/bright/dark, or manual operation ON/OFF/bright/dark via push button on luminaire | DIP switch in luminaire head for setting various modes (e.g. daylight control, presence detection, automatic switch-off deactivation | switch-off time 1s..60mins; various standby values, parameterise light level)



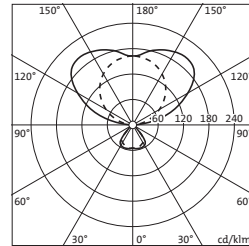
Lamps	Socket	Wt. (kg)	ECG DALI Order No.
indirect/direct distribution, with ambient light detector and presence detector			
3x TC-LEL 55W	2G11	25.9	5MS426D3UL0D
4x TC-LEL 55W	2G11	25.9	5MS426D4UL0D

- large luminaire head (3- or 4-lamp): Lx Bx H = 675 x 359 x 44mm
 - uninstalled luminaire

5MS426D4UL0D

4 x TC-LEL 55W/840 2G11 ϕ 19200 lm

η_{Lb} 81.3% ϕ_{d} 13% ϕ_{t} 87%

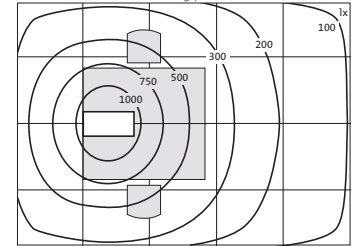


Luminance values (cd/m²)

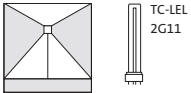
	C 0/180	C 90/270
L ₈₀	589	598
L ₇₀	713	647
L ₆₅	672	918

Office with double workstation

Room 5 x 3.5 x 2.7 m, working plane h 0.75 m



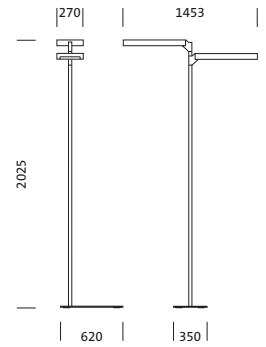
Reflection grade 80/50/30, maintenance factor 0.8
 Em room 480 lx Em table 739 lx



Futurel® 5MS | with ELDAICON® | indirect/direct distribution | with two luminaire heads

Futurel® 5MS floorstanding luminaire with two luminaire heads | with ELDAICON®, indirect/direct distribution, CAT2 ($L \leq 1000 \text{cd/m}^2$) | with ECG and one ON/OFF switch per luminaire head | extruded aluminium luminaire heads with translucent plastic decorative element at luminaire head end cap, can be colour-accentuated, diecast metallic grey (RAL 9006) mounting brackets

Protection rating: IP20
 Insulation class: I
 (incl. colour foils for accenting: red, orange, green, blue, mocca)



Lamps	Socket	Lamps 2	Socket 2	Wt. (kg)	ECG Order No.
indirect/direct distribution					
2x TC-LEL 55W	2G11	2x TC-LEL 55W	2G11	28.3	5MS42672UK0
2x TC-LEL 80W	2G11	2x TC-LEL 80W	2G11	28.3	5MS42677VK0

- small luminaire head (twin lamp): Lx Bx H = 675 x 270 x 44mm
- uninstalled luminaire

