

FreeOffice 14klm

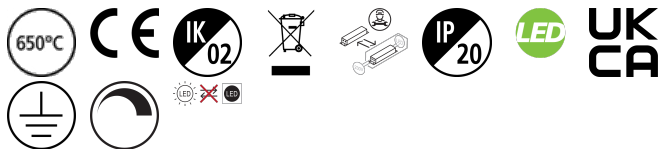
FREEOFFICE DIRECT/INDIRECT 14KLM BLACK EC

0060793



Product features

- FREEOFFICE DIRECT/INDIRECT 14KLM BLACK EC is a highly efficient free-standing floor lamp providing optimal illumination for single and twin workstations. 80% uplight and 20% downlight ratio for ambient and task lighting from a single luminaire. Microprismatic PMMA optics for advanced glare control. Black RAL9005 powder coated luminaire body. Aluminium head and pole for high-quality appearance, steel stand for higher stability. Luminaire dimensions: Head: 690x397x25mm, Stand: 480x460x16mm, Pole: 55x35x2030mm. Operated and dimmed with a push button located in the pole at a height suitable to be used with adjustable height desks. Up and downlight dims together. 4000K Neutral White LED, CRI>80, chromaticity tolerance: SDCM<3. Luminous flux: 14100lm. Power consumption 107W. Luminaire efficacy: 132lm/W. Lumen maintenance: L80B50=55000h. UGR<16, Luminance at 65°<3000 cd/m2. IK02, IP20. Photobiological safety risk group 0. Electrical protection: Class I. Glow wire test: 650°C. Supplied with 3m cable with DIN 49441-R2 plug.



PRODUCT OVERVIEW

Product name	FREEOFFICE DIRECT/INDIRECT 14KLM BLACK EC
Technology	LED (3 SDCM)
Housing	Other
Mount	Floor standing
Fixture rating	Enclosed
General application	Education, Hospitality, Office
ETIM Class	EC000300
Warranty	5 years
Fixture luminous flux (lm)	14100
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 16
Photobiological Risk Group	RG0
Total power consumption (W)	107
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	Other
Minimum dimming level (%)	1
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9005 - Jet black
IP rating	IP20
IK rating	IK02
Product EAN number	5410288607931

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DATA TABLE

General data

Product name	FREEOFFICE DIRECT/INDIRECT 14KLM BLACK EC
Technology	LED (3 SDCM)
Housing	Other
Mount	Floor standing
Fixture rating	Enclosed
General application	Education, Hospitality, Office
Performance ambient temperature Tq (°C)	25
ETIM Class	EC000300
Warranty	5 years

Optical data

Fixture luminous flux (lm)	14100
Luminaire efficacy (lm/W)	132
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 16
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	107
Mains voltage (V)	220-240V
Lamp power factor	0.98
THD (at 230 V, 50 Hz, full load, at 100% dimming level) = xx.x %	8
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	Other
Minimum dimming level (%)	1
Drive current (mA)	528
Inrush Current (A)	39
Inrush Duration (µs)	286
Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	B
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	12
Max. Luminaires per 13A C Breaker	16
Max. Luminaires per 16A C Breaker	20
Max. Luminaires per 10A B Breaker	8
Max. Luminaires per 13A B Breaker	10

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Max. Luminaires per 16A B Breaker	12
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Lifetime data

Lifespan L70 B50	65000
Lifespan L80 B50	55000
Lifespan L80 B10	50000
Lifespan L90 B10	25000

Physical data

Housing colour	RAL 9005 - Jet black
IP rating	IP20
IK rating	IK02
Diffuser finish	Prismatic
Diffuser material	PMMA Acrylic
Nominal Product Length (mm)	690
Nominal Product Width (mm)	460
Nominal Product Height (mm)	2030
Weight (kg)	22.8

Packaging

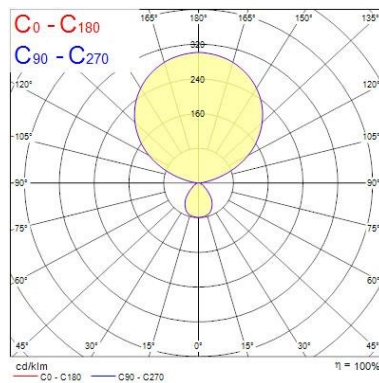
Single packaging type	Carton
Product EAN number	5410288607931
Packaging single length / height (cm)	77.0
Packaging single width (cm)	56.0
Packaging single depth (cm)	214.0
DUN14 (outer)	05410288607931
Units per outer package	1
Packaging outer length / height (cm)	77.0
Packaging outer width (cm)	56.0
Packaging outer depth (cm)	214.0

PHOTOMETRY

0.5	0.92 0.90	E(0°) 4468 E(C90) 892 E(C0) 918
1.0	1.84 1.80	E(0°) 1114 E(C90) 223 E(C0) 229
1.5	2.76 2.70	E(0°) 496 E(C90) 99 E(C0) 102
2.0	3.68 3.60	E(0°) 279 E(C90) 56 E(C0) 57
2.5	4.60 4.50	E(0°) 178 E(C90) 36 E(C0) 37
3.0	5.52 5.40	E(0°) 124 E(C90) 25 E(C0) 25

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 94.0°)
— C90 - C270 (Half beam angle: 85.2°)



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TECHNICAL DRAWINGS

