PRODUCT DATASHEET
FS CMFT HEAD SN P 114W 840 WT

FLOOR STANDING COMFORT HEAD | Luminaire head for FLOOR STANDING COMFORT



PERFOR-
MANCE
CLASS

Areas of application

- Single component (luminaire head, luminaire pole, luminaire base and regional electrical connection) for mounting the FLOOR STANDING COMFORT
- For use at single or double desks
- Individual offices
- Open-space office
- Home offices

Product benefits

- Uniformly lighting thanks to a high indirect lighting share
- Low direct lighting part for an optimized glare reduction
- Daylight and motion-dependent control thanks to an integrated sensor

Product features

- Powder coated luminaire head made of aluminum
- High lumen output with overall up to 20,000 lm (18,400 lm indirect and 1,600 lm direct)
- High luminous efficacy: up to 175 lm/W
- Diffuser prismatic (direct) and transparent (indirect) for an overall glare reduction of UGR <16
- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Color temperature 4,000 K with SDCM <3 and CRI 80
- Available in white (like RAL9003), grey (like RAL9006) and black (like RAL9005)

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TECHNICAL DATA

Electrical data

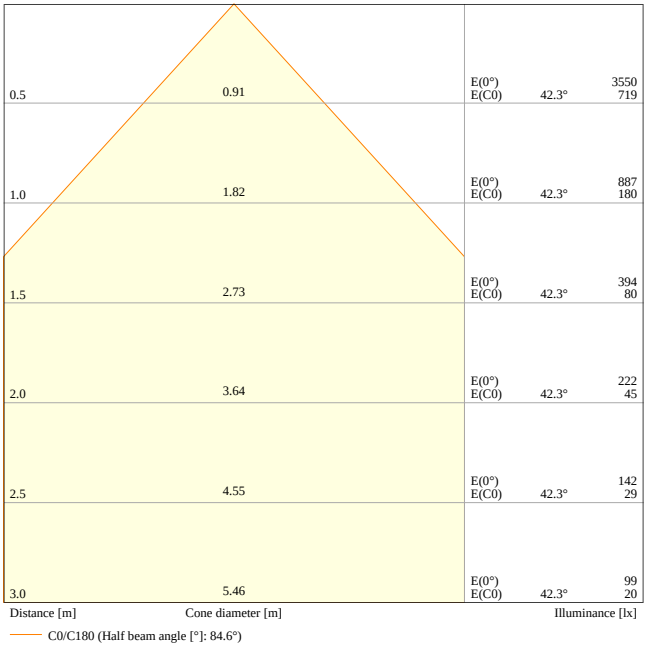
Nominal wattage	114.00 W
Nominal voltage	220…240 V
Mains frequency	50/60 Hz
Nominal current	630.000 mA
Inrush current	5 A
Inrush current time T_{h50}	900 µs
Max. number of luminaires per miniature circuit breaker B16	22
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	37
Power factor λ	> 0.95
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI

Photometrical data

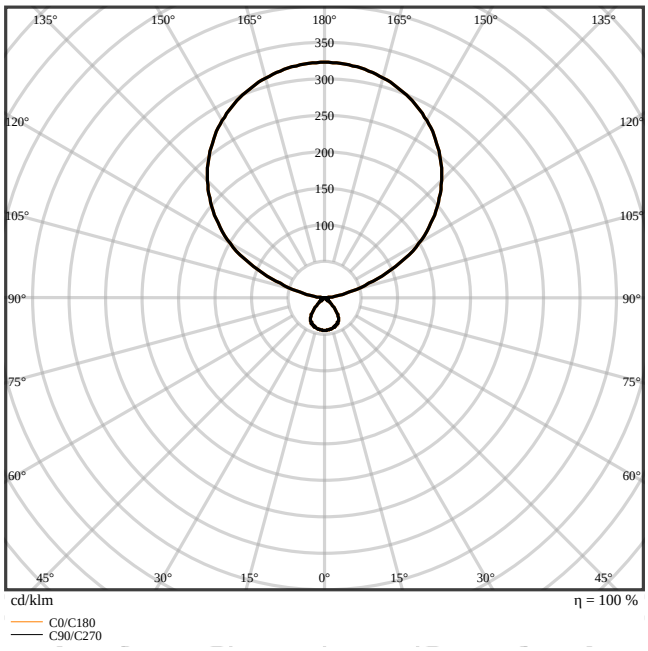
Luminous flux	20000 lm [1)]
Luminous efficacy	175 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 ° x 90 °
UGR	< 16

1) 18400 lm indirect and 1600 lm direct

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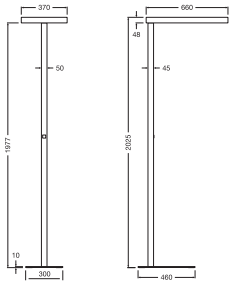
FS COMFORT Sensor 4000K 20klm



FS COMFORT Sensor 4000K 20klm

Dimensions & Weight

Length	660.00 mm
Width	370.00 mm
Height	48.00 mm
Product weight	5600.00 g



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Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	+10…+35 °C
Temperature range at storage	+5…+40 °C
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	DALI
Mounting type	Standing
Mounting location	Floor
Application environment	Indoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Number of switching cycles	200000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	630 mA
Output ripple current (100 Hz)	< 5 %

Sensor

Type of sensor	Motion / Light

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Sensor technology	Passive infrared (PIR)
Sensor detection angle	80 °
Sensor controlled switching time	900 s
Detection range of motion sensor	0…2.5 m
Detection threshold of daylight sensor	10…1200 lx
Sensor IK rating	IK03

Certificates & Standards

Standards	CE / EMC / ROHS / REACH / ENEC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Required Accessories and Components

Product image	Product name	EAN
	FS CMFT POLE P WT	4099854606625
	FS CMFT BASE P WT	4099854606694
	FS CMFT POWER CABLE EU 3000 BK	4099854606724
	FS CMFT POWER CABLE CH 3000 BK	4099854606731

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691

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Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901

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Product image	Product name	EAN
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135

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Product image	Product name	EAN
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

- Other required components to be ordered separately
- Accessories for mounting the luminaire included

Safety advice

- All electrical connections must be made by a qualified person.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	FLOOR STANDING COMFORT
PDF	Legal information	Safety insert G11221844
PDF	Legal information	Legal Insert G11240749
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	FS CMFT HEAD SN P 114W
PDF	Declarations of conformity	CE declaration FS COMFT
PDF	Product family datasheet	FS CMFT
PDF	EU Data Act	DALI LED Driver and Luminaires

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	Photometric and lighting design files	Document name
	IES file (IES)	FS COMFORT Sensor 4000K 20klm
	LDT file (Eulumdat)	FS COMFORT Sensor 4000K 20klm
	UGR file (UGR table)	FS COMF Sensor 4000K 20klm
	Light distribution curve type cone	FS COMFORT Sensor 4000K 20klm
	Light distribution curve type polar	FS COMFORT Sensor 4000K 20klm

	CAD/BIM files	Document name
	BIM Revit 3D	Floor Standing Comfort Sensor
	CAD STEP 3D	FS CMFT

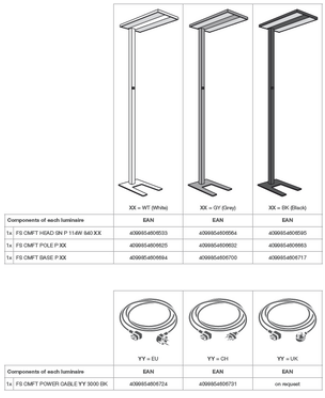
	Tender texts	Document name
	Tender documents	FLOOR STANDING COMFORT HEAD SN P 114W 840 WT -en

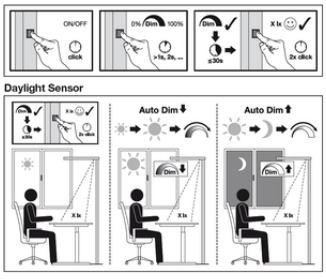
LOGISTICAL DATA

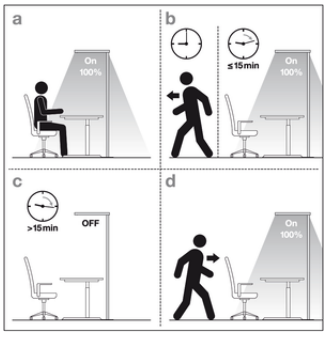
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854606533	Shipping box 1	675 mm x 395 mm x 65 mm	6000.00 g	17.33 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION







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References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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