

PRODUCT DATASHEET

FS CMFT HEAD SN P 114W 840 BK

FLOOR STANDING COMFORT HEAD | Luminaire head for FLOOR STANDING COMFORT



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)



TECHNICAL DATA

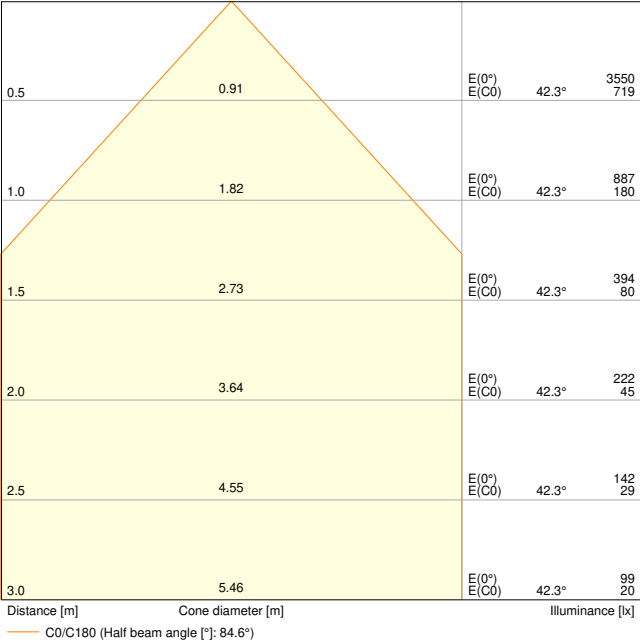
Electrical data

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 μ s
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
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI

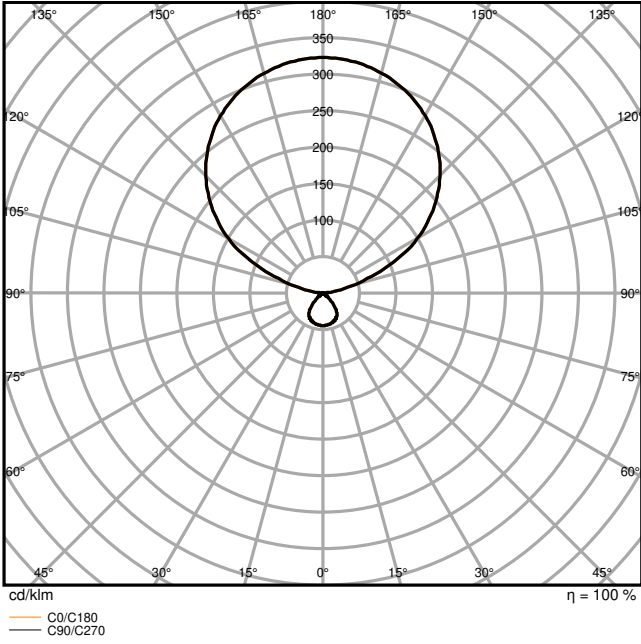
Photometrical data

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 sdcn
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



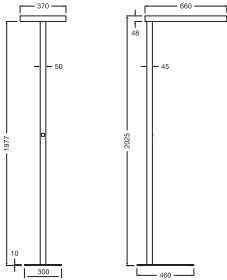
FS COMFORT Sensor 4000K 20klm



FS COMFORT Sensor 4000K 20klm

Dimensions & Weight

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



FS CMFT HEAD SN P 114W 840

Materials & Colors

Product color	Black
---------------	-------

Housing color	Black
RAL Color (most similar)	RAL 9005
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
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
ECG - Output ripple current	< 5 %

Sensor

Type of sensor	Motion / Light
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

Additional product data

Number of illuminants	-
-----------------------	---

Accessories Mandatory

Product image	Product name	EAN
	FS CMFT POLE P BK	4099854606663
	FS CMFT BASE P BK	4099854606717
	FS CMFT POWER CABLE EU 3000 BK	4099854606724
	FS CMFT POWER CABLE CH 3000 BK	4099854606731

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
	User instruction / safety instructions	FLOOR STANDING COMFORT
	Legal information	Safety insert G11221844
	Legal information	Legal Insert G11240749
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	FS CMFT HEAD SN P 114W
	Product family datasheet	FS CMFT
	EU Data Act	DALI LED Driver and Luminaires
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
	CAD STEP 3D	FS CMFT
Tender texts		Document name
	Tender documents	FLOOR STANDING COMFORT HEAD SN P 114W 840 BK -en

LOGISTICAL DATA

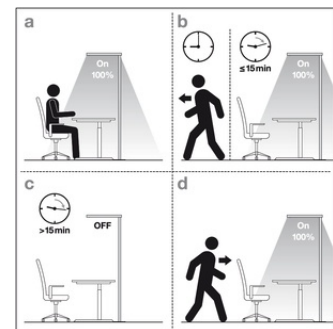
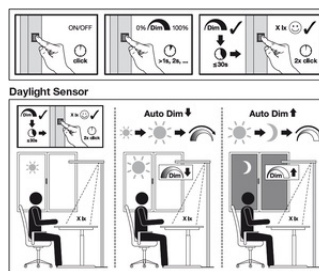
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854606595	Shipping box 1	675 mm x 395 mm x 65 mm	6000.00 g	17.33 dm ³

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

	SX = 91 (cm) XX = 117 (cm) XXL = 138 (cm)		
Components of each bundle	SAN	SAN	SAN
fs FS CMFT HEAD SN P 114W 840 BK	4099854606595	4099854606595	4099854606595
fs FS CMFT FOLD P BK	4099854606595	4099854606595	4099854606595
fs FS CMFT BASE P BK	4099854606595	4099854606595	4099854606595

	YY = 1.2m YYL = 1.5m YYL = 1.8m		
Components of each bundle	SAN	SAN	SAN
fs FS CMFT POWER CABLE YY 3000 BK	4099854606595	4099854606595	4099854606595



References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.