

PRODUCT DATASHEET

BLKH COMP RC SN V 9W ML 83040 WT

BULKHEAD COMPACT RECTANGULAR SENSOR | Robust wall and ceiling luminaire with IP65 protection and high-frequency sensor



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

Product benefits

- Versatile due to selectable CCT in 3000K and 4000K
- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- Multiple adjustments of sensor range, daylight detection and hold time
- Suitable for use in dusty and damp locations thanks to high IP rating
- Suitable for use in public areas thanks to high IK rating
- Multiple mounting patterns for convenient installation

Product features

- High frequency sensor for daylight and motion detection
- Housing and cover made of UV-resistant PC
- Type of protection: IP65
- Impact resistance: IK10
- Luminous flux: up to 840 lm
- Lifetime (L70/B50) up to 50,000 h (at 25 °C)



- Ambient temperature in operation: -20...+45 °C
- Push wire terminal for tool-free connection
- Through-wiring possible

TECHNICAL DATA

Electrical data

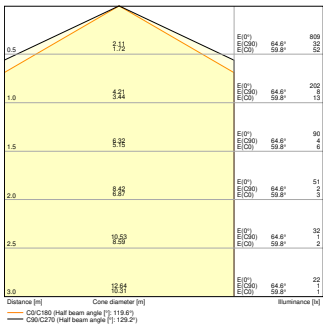
Nominal wattage	9 W / 7 W / 5 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Nominal current	63...56...49 mA
Inrush current	4 A
Inrush current time T _{h50}	180 µs
Max. number of luminaires per miniature circuit breaker B16	104
Max. number of luminaires per miniature circuit breaker C10	87
Max. number of luminaires per miniature circuit breaker C16	140
Power factor λ	> 0.5
Total harmonic distortion	< 64 %
Protection class	II
Operating mode	Integrated LED driver

¹⁾ For possible options refer to lumen/power table image

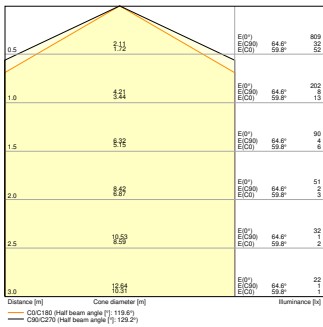
Photometrical data

Luminous flux	840 lm / 690 lm / 500 lm ¹⁾
Luminous efficacy	93 lm/W / 98 lm/W / 100 lm/W ¹⁾
Color temperature	3000 K / 4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	5 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	125 °

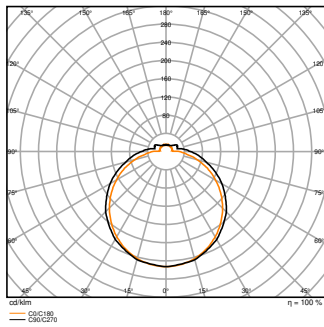
¹⁾ For possible options refer to lumen/power table image



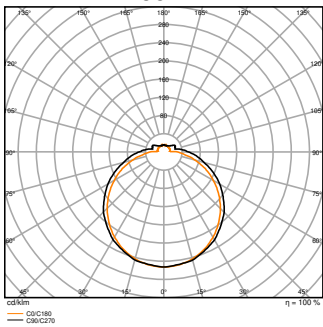
BLKH COMP RC SEN V 8W 830
IP65 WT



BLKH COMP RC SEN V 8W 840
IP65 WT



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IP65 WT



BLKH COMP RC SEN V 8W 840
IP65 WT

Dimensions & Weight

Length	356.00 mm
Width	115.00 mm
Height	80.00 mm
Product weight	580.00 g



SF BLKH COMP RECTANGULAR

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+45 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screwless terminal
Type of protection	IP65
Protection class IK (shock resistance)	IK10
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Outdoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	40000 h ¹⁾
Lifespan L80/B50 at 25 °C	45000 h
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	100000

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	220...165...115 mA
ECG - Output ripple current	< 5 %

Sensor

Type of sensor	Motion / Light
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Sensor technology	Microwave
Sensor detection angle	150 °
Sensor controlled switching time	5 s...30 min
Detection range of motion sensor	2...8 m
Detection threshold of daylight sensor	2...50 lx
Sensor IP rating	IP20

Certificates & Standards

Standards	CE / CB / UKCA / EAC / ENEC / TÜV SÜD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00052-V01.01-EN

Additional product data

Added function	MULTI SELECT
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EQUIPMENT / ACCESSORIES

- Mounting screws and dowels included
- Anti-theft screw included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	BULKHEAD COMPACT SEN
	Legal information	LSI BULKHEAD COMPACT
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Legal Insert G11193421
	Legal information	Safety Insert G11230262
	Declarations of conformity	CE _BLKH COMP RC SEN V LUM
	Declarations of conformity UKCA	UKCA_BULKH COMP RC SEN V LUM

Documents and certificates		Document name
	Certificates	ENEC BLKH COMP RC
Photometric and lighting design files		Document name
	IES file (IES)	BLKH COMP RC SEN V 8W 830 IP65 WT
	IES file (IES)	BLKH COMP RC SEN V 8W 840 IP65 WT
	LDT file (Eulumdat)	BLKH COMP RC SEN V 8W 830 IP65 WT
	LDT file (Eulumdat)	BLKH COMP RC SEN V 8W 840 IP65 WT
	ULD file (DIALux)	BLKH COMP RC SEN V 8W CPS IP65 WT
	ROLF file (RELUX)	BLKH COMP RC SEN V 8W CPS IP65 WT
	UGR file (UGR table)	BLKH COMP RC SEN V 8W 830 IP65 WT
	UGR file (UGR table)	BLKH COMP RC SEN V 8W 840 IP65 WT
	Light distribution curve type cone	BLKH COMP RC SEN V 8W 830 IP65 WT
	Light distribution curve type cone	BLKH COMP RC SEN V 8W 840 IP65 WT
	Light distribution curve type polar	BLKH COMP RC SEN V 8W 830 IP65 WT
	Light distribution curve type polar	BLKH COMP RC SEN V 8W 840 IP65 WT
CAD/BIM files		Document name
	BIM Revit 3D	Bulkhead Compact Rectangular
	CAD STEP 3D	BLKH COMP
Tender texts		Document name
	Tender documents	BULKHEAD COMPACT RECTANGULAR SENSOR RC SEN V 8W CPS IP65 WT-EN

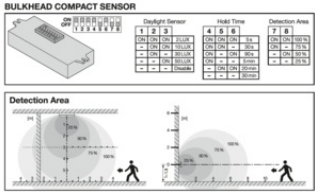
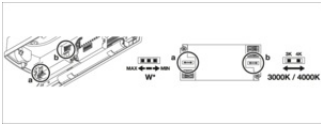
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854290602	Folding box 1	85 mm x 128 mm x 390 mm	670.00 g	4.24 dm ³
4099854290619	Shipping box 6	400 mm x 400 mm x 200 mm	4020.00 g	32.00 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

BLKH COMP RC SEN						
W	9		7		5	
T	4000	3000	4000	3000	4000	3000
lm	840	800	690	660	500	500
lm/W	93	88	98	94	100	100



	B16	B10	C16	C10
BLKH COMP RC V 9W ML 83040 BK/WT	104	83	110	87
BLKH COMP RC SN V 9W ML 83040 BK/WT				

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.