

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 lumen steps (Multi Lumen) 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

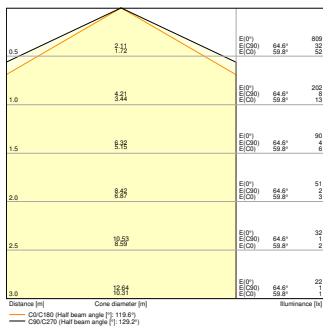
Nominal wattage	9 W / 7 W / 5 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Nominal current	63...56...49 mA
Inrush current	4 A
Inrush current time T _{h50}	180 µs
Max. number of luminaires per miniature circuit breaker B16	104
Max. number of luminaires per miniature circuit breaker C10	87
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

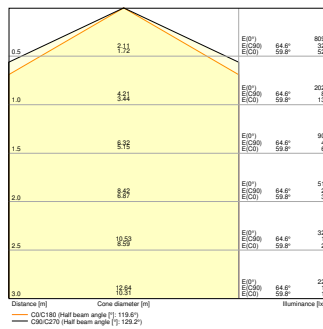
Photometrical data

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 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	125 °

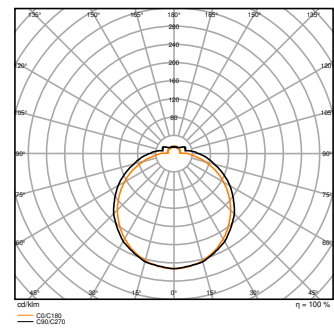
¹⁾ For possible options refer to lumen/power table image



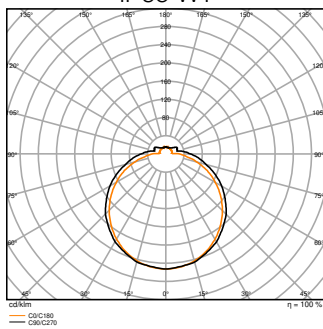
BLKH COMP RC SEN V 8W 830
IP65 WT



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
Replaceable light source (EPREL)	Not replaceable







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

Documents and certificates		Document name
	Declarations of conformity UKCA	UKCA_BLKH COMP RC SEN V LUM
	Certificates	ENEC BLKH COMP RC
	EPD	ENVIRONMENTAL PRODUCT DECLARATION BULKHEAD COMPACT RECTANGULAR

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

