

PRODUCT DATASHEET

BLKH COMP RC EL V 10W ML 83040 WT

BULKHEAD COMPACT RECTANGULAR EMERGENCY | Robust wall and ceiling luminaire with IP65 protection and integrated emergency lighting function



Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for luminaires with fluorescent lamps
- Corridors, stairways, entrance areas
- Passages, underpasses
- Public areas

Product benefits

- Highly versatile due to selectable CCT and power steps (Multi Color / Multi Lumen) on the driver
- Seamless integration of luminaires with emergency lighting function into general lighting
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge 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

Product features

- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Luminaire suitable for normal lighting and emergency lighting
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h



- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO₄
- Ambient temperature in operation: +5...+45 °C
- Type of protection: IP65
- Impact resistance: IK10
- Lifetime (L70/B50): 50,000 h (at 25 °C)

TECHNICAL DATA

Electrical data

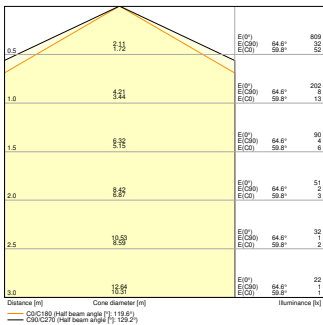
Nominal wattage	10 W / 8 W / 6 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Nominal current	56...48...39 mA
Inrush current	4 A
Inrush current time T _{h50}	180 µs
Max. number of luminaires per miniature circuit breaker B16	104
Max. number of luminaires per miniature circuit breaker C10	87
Max. number of luminaires per miniature circuit breaker C16	140
Power factor λ	> 0.7
Total harmonic distortion	< 64 %
Protection class	II
Operating mode	Integrated LED driver

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

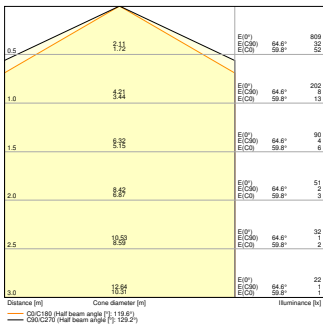
Photometrical data

Luminous flux	840 lm / 690 lm / 500 lm ¹⁾
Luminous efficacy	84 lm/W / 86 lm/W / 83 lm/W ¹⁾
Color temperature	3000 K / 4000 K
Reference control setting of contained light source (Kelvin)	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 °

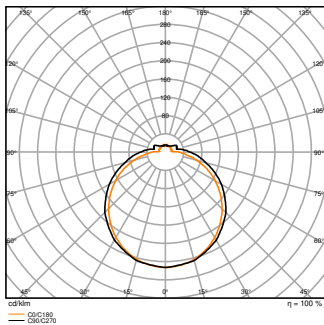
¹⁾ For possible options refer to lumen/power table image



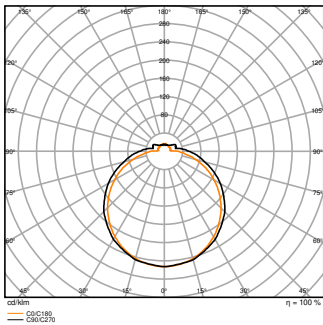
BLKH COMP RC EM V 8W 830
IP65 WT



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IP65 WT



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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
10 W	3000 K	800 lm	80 lm/W
10 W	4000 K	840 lm	84 lm/W
8 W	3000 K	660 lm	82 lm/W
8 W	4000 K	690 lm	86 lm/W
6 W	3000 K	500 lm	83 lm/W
6 W	4000 K	500 lm	83 lm/W

Dimensions & Weight

Length	356.00 mm
Width	115.00 mm
Height	80.00 mm
Product weight	750.00 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	+5...+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 %

BATTERY

Type of Battery	LiFePO4
Battery size [GMS]	Others
Nominal voltage of battery	3.2 V
Nominal capacity of battery	4500 mAh
Battery charging time	24 h

Emergency lighting

Type of Emergency Lighting (EL)	EL unit (battery and controller) for decentral operation included
Area of emergency application	Anti-panic lighting / Escape route lighting
Type of emergency light operation	Non-maintained / Maintained
Type of emergency operation test	Automatic
Wattage in maintained operation mode	10 W
Wattage in emergency operation mode	3 W
Luminous flux in maintained operation mode	840 lm
Luminous flux in emergency operation mode	300 lm
Battery life in emergency operation mode	3 h
Integrated test switch	No

Certificates & Standards

Standards	CE / CB / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
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

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	BULKHEAD COMPACT EM SEN
	Legal information	LSI BULKHEAD COMPACT EM
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Legal Insert G11193421
	Legal information	Safety Insert G11230262
	Declarations of conformity	BLKH COMP RC EL V
	Declarations of conformity UKCA	BLKH COMP RC EL V
Photometric and lighting design files		Document name
	IES file (IES)	BLKH COMP RC EM V 8W 830 IP65 WT
	IES file (IES)	BLKH COMP RC EM V 8W 840 IP65 WT
	LDT file (Eulumdat)	BLKH COMP RC EM V 8W 830 IP65 WT
	LDT file (Eulumdat)	BLKH COMP RC EM V 8W 840 IP65 WT
	ULD file (DIALux)	BLKH COMP RC EL V 10W MS 840 WT
	ROLF file (RELUX)	BLKH COMP RC EL V 10W MS 840 WT

Photometric and lighting design files		Document name
	UGR file (UGR table)	BLKH COMP RC EM V 8W 830 IP65 WT
	UGR file (UGR table)	BLKH COMP RC EM V 8W 840 IP65 WT
	Light distribution curve type cone	BLKH COMP RC EM V 8W 830 IP65 WT
	Light distribution curve type cone	BLKH COMP RC EM V 8W 840 IP65 WT
	Light distribution curve type polar	BLKH COMP RC EM V 8W 830 IP65 WT
	Light distribution curve type polar	BLKH COMP RC EM 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 EMERGENCY EL V 10W MS 840 WT-en

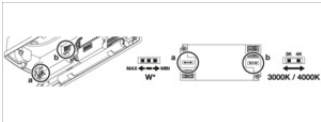
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854290688	Folding box 1	85 mm x 128 mm x 390 mm	840.00 g	4.24 dm ³
4099854290695	Shipping box 6	400 mm x 400 mm x 200 mm	5740.00 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 EM						
W	10		8		6	
T	4000	3000	4000	3000	4000	3000
lm	840	800	690	660	500	500
lm/W	84	80	86	82	83	83



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.