



INDUSTRIAL LUMINAIRES

FULMAR 4.5

PRODUCT INFORMATION

Fulmar 4.5 is the fourth and the most efficient generation of the award-winning Fulmar series of industrial luminaires. The efficacy we have reached with Fulmar 4.5 goes up to 173 lm/W. What brings even greater electricity savings and lower electricity bills.

Fulmar 4.5 shares the same benefits as previous versions: lifetime up to 80,000 hours L80B10, IP65 protection class, stable performance in a great temperature range from -20°C to +60°C. As the Fulmar series, Fulmar 4.5 remains with a 5-year warranty.

These luminaires come with four different mounting kits: a standard holder for surface mounting, a special bolt for cable tray mounting, the hanging kit for suspended mounting, and a rope mounting kit. Fulmar 4.5 is made in Europe - engineered and manufactured at our facility in Lithuania. .

APPLICATION

- Warehouses
- Parking lots, car wash
- Industrial facilities
- Gas stations
- Bus and train stations, airports
- Cold storage facilities

FEATURES & BENEFITS

- Efficacy up to 173 lm/W
- Easy mounting: surface, suspended, cable tray, rope
- Operational height from 2 m to 16 m
- IP65 protection class
- DALI control, motion sensor available
- 5 year warranty

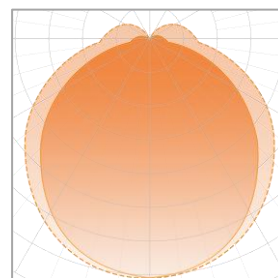
FULMAR 4.5 120

GENERAL INFORMATION

SUPPLY VOLTAGE	198 – 264 V; 50/60 Hz
POWER FACTOR	0.95 – 0.99
EFFICACY	148 – 173 lm/W
CCT	4000 K ± 150 K (natural white)
CRI	>82
BEAM ANGLE	120°
IP CLASS	IP65
BODY MATERIAL	aluminium
RECOMMENDED HEIGHT	up to 6 meters
CLEANROOM APPLICATION	suitable
OPERATING TEMP.	-20 °C ~ +60 °C (BWL-P-SE-...) -20 °C ~ +50 °C (BWL-P-ST-...)
STORAGE TEMP.	-40°C ~ +70 °C
LIFETIME	L80B10 80000 h (Ta +25°C) (BWL-P-SE-...) L80B10 75000 h (Ta +25°C) (BWL-P-ST-...)
MOUNTING OPTIONS	adjustable surface (wall, ceiling) mounting suspended mounting cable tray mounting rope mounting
CERTIFICATION	CE and RoHS compliant
WARRANTY	5 years
OPTIONAL FEATURES	DALI, motion sensor



LIGHT DISTRIBUTION GRAPH



— CO-180 — C90-270 120°

SENSOR SPECIFICATIONS

	without DALI	with DALI
SENSOR TYPE	motion	motion
SENSOR FUNCTION	on/off	100% - preset %
DETECTION RANGE	max. Ø 16 m	max. Ø 10 m
DETECTION ANGLE	360°	360°
MOUNTING HEIGHT	max. 15 m	max. 15 m

ORDERING INFORMATION

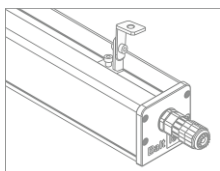
FIXTURES

SKU	CCT	DIMENSIONS (LxHxW), MM non-sensor / sensor version	WEIGHT, KG	POWER, W*	LUMEN OUTPUT, LM*	OPTIONAL FEATURES**		
						DA	SENS	SENS+DA
BWLP-SE-025A120840E20	4000 K	346x100x75 / 416x100x75	1.1-1.2	20	3285	-	+	-
BWLP-SE-050A120840E35	4000 K	586x100x75 / 656x100x75	1.8-2.55	35	5447	+	+	+
BWLP-ST-050A120840E55	4000 K	586x100x75 / 656x100x75	1.8-2.55	55	8128	+	+	+
BWLP-SE-100A120840E70	4000 K	1076x100x75 / 1146x100x75	3.4-4.15	70	10745	+	+	+
BWLP-ST-100A120840E100	4000 K	1076x100x75 / 1146x100x75	3.4-4.15	100	15007	+	+	+
BWLP-SE-150A120840E100	4000 K	1567x100x75 / 1637x100x75	4.7-5.45	100	15491	+	+	+
BWLP-ST-150A120840E128	4000 K	1567x100x75 / 1637x100x75	4.7-5.45	128	18888	+	+	+

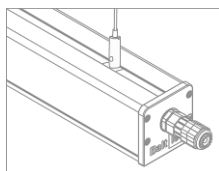
*Possible ±3-5% deviation

**DA – DALI driver; SENS – motion sensor

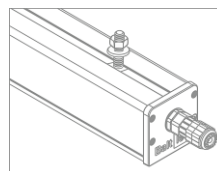
MOUNTING KITS (ordered separately)



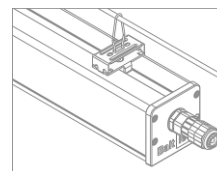
Adjustable stainless steel bracket for surface mounting **BWL-WKIT**



Stainless steel hanging cable with hook, 1.5 m **BWL-HKIT**



Stainless steel bolt, nut, washer for cable tray mounting **BWL-SKIT**



Stainless-steel surface/rope mounting kit **BWL-SRKIT2**

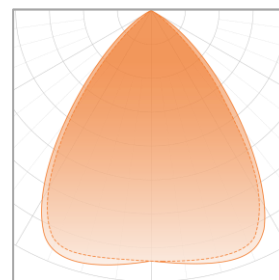
FULMAR 4.5 100

GENERAL INFORMATION

SUPPLY VOLTAGE	198 – 264 V; 50/60 Hz
POWER FACTOR	0.95 – 0.99
EFFICACY	155 – 173 lm/W
CCT	4000 K ± 150 K (natural white)
CRI	>82
BEAM ANGLE	100°
IP CLASS	IP65
BODY MATERIAL	aluminium
RECOMMENDED HEIGHT	from 6 to 10 meters
CLEANROOM APPLICATION	yes
OPERATING TEMP.	-20 °C ~ +60 °C (BWL-SE-...) -20 °C ~ +50 °C (BWL-ST-...)
STORAGE TEMP.	-40 °C ~ +70 °C
LIFETIME	L80B10 80000 h (Ta +25 °C) (BWL-SE-...) L80B10 75000 h (Ta +25 °C) (BWL-ST-...)
MOUNTING OPTIONS	adjustable surface (wall, ceiling) mounting suspended mounting cable tray mounting surface/rope mounting
CERTIFICATION	CE and RoHS compliant
WARRANTY	5 years
OPTIONAL FEATURES	DALI, motion sensor



LIGHT DISTRIBUTION GRAPH



— CO-180 - - - C90-270 100°

SENSOR SPECIFICATIONS

	without DALI	with DALI
SENSOR TYPE	motion	motion
SENSOR FUNCTION	on/off	100% - preset %
DETECTION RANGE	max. Ø 16 m	max. Ø 10 m
DETECTION ANGLE	360°	360°
MOUNTING HEIGHT	max. 15 m	max. 15 m

ORDERING INFORMATION

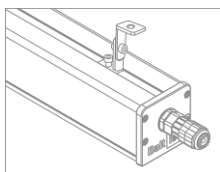
FIXTURES

SKU	CCT	DIMENSIONS (LxHxW), MM non-sensor / sensor version	WEIGHT, KG	POWER, W*	LUMEN OUTPUT, LM*	OPTIONAL FEATURES**		
						DA	SENS	SENS+DA
BWLP-SE-025A100840E18	4000 K	317x77x75 / 387x77x75	1.0-1.1	18	2827	-	+	-
BWLP-SE-050A100840E34	4000 K	567x77x75 / 637x77x75	1.6-2.35	34	5608	+	+	+
BWLP-ST-050A100840E47	4000 K	567x77x75 / 637x77x75	1.6-2.35	47	7269	+	+	+
BWLP-SE-100A100840E65	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	65	11028	+	+	+
BWLP-ST-100A100840E90	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	90	14831	+	+	+
BWLP-SE-150A100840E96	4000 K	1568x77x75 / 1638x77x75	4.4-5.15	96	16622	+	+	+
BWLP-SE-200A100840E115	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	115	19912	+	+	+
BWLP-SE-200A100840E130	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	130	22509	+	+	+
BWLP-ST-150A100840E134	4000 K	1568x77x75 / 1638x77x75	4.4-5.15	134	21648	+	+	+
BWLP-ST-200A100840E150	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	150	24060	+	+	+

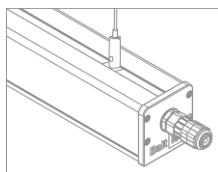
*Possible ±3-5% deviation

**DA – DALI driver; SENS – motion sensor

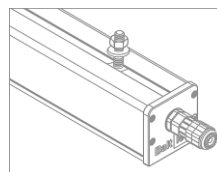
MOUNTING KITS (ordered separately)



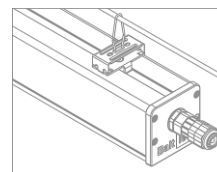
Adjustable stainless steel bracket for surface mounting **BWL-WKIT**



Stainless steel hanging cable with hook, 1.5 m **BWL-HKIT**



Stainless steel bolt, nut, washer for cable tray mounting **BWL-SKIT**



Stainless-steel surface/rope mounting kit **BWL-SRKIT2**

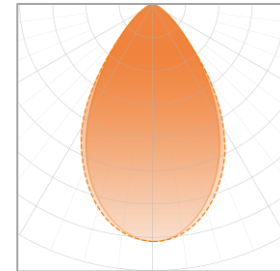
FULMAR 4.5 60

GENERAL INFORMATION

SUPPLY VOLTAGE	198 – 264 V; 50/60 Hz
POWER FACTOR	0.95 – 0.99
EFFICACY	155 – 173 lm/W
CCT	4000 K ± 150 K (natural white)
CRI	>82
BEAM ANGLE	60°
IP CLASS	IP65
BODY MATERIAL	aluminium
RECOMMENDED HEIGHT	from 10 to 16 meters
CLEANROOM APPLICATION	yes
OPERATING TEMP.	-20 °C ~ +60 °C (BWL _P -SE-...) -20 °C ~ +50 °C (BWL _P -ST-...)
STORAGE TEMP.	-40°C ~ +70 °C
LIFETIME	L80B10 80000 h (Ta +25°C) (BWL _P -SE-...) L80B10 75000 h (Ta +25°C) (BWL _P -ST-...)
MOUNTING OPTIONS	adjustable surface (wall, ceiling) mounting suspended mounting cable tray mounting surface/rope mounting
CERTIFICATION	CE and RoHS compliant
WARRANTY	5 years
OPTIONAL FEATURES	DALI, motion sensor



LIGHT DISTRIBUTION GRAPH



SENSOR SPECIFICATIONS

	without DALI	with DALI
SENSOR TYPE	motion	motion
SENSOR FUNCTION	on/off	100% - preset %
DETECTION RANGE	max. Ø 16 m	max. Ø 10 m
DETECTION ANGLE	360°	360°
MOUNTING HEIGHT	max. 15 m	max. 15 m

ORDERING INFORMATION

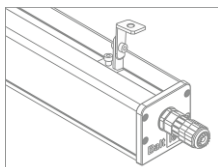
FIXTURES

SKU	CCT	DIMENSIONS (LxHxW), MM non-sensor / sensor version	WEIGHT, KG	POWER, W*	LUMEN OUTPUT, LM*	OPTIONAL FEATURES**		
						DA	SENS	SENS+DA
BWLP-SE-025A60840E18	4000 K	317x77x75 / 387x77x75	1.0-1.1	18	2827	-	+	-
BWLP-SE-050A60840E34	4000 K	567x77x75 / 637x77x75	1.6-2.35	34	5608	+	+	+
BWLP-ST-050A60840E47	4000 K	567x77x75 / 637x77x75	1.6-2.35	47	7269	+	+	+
BWLP-SE-100A60840E65	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	65	11028	+	+	+
BWLP-ST-100A60840E90	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	90	14831	+	+	+
BWLP-SE-150A60840E96	4000 K	1568x77x75 / 1638x77x75	4.4-5.15	96	16622	+	+	+
BWLP-SE-200A60840E115	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	115	19912	+	+	+
BWLP-SE-200A60840E130	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	130	22509	+	+	+
BWLP-ST-150A60840E134	4000 K	1568x77x75 / 1638x77x75	4.4-5.15	134	21648	+	+	+
BWLP-ST-200A60840E150	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	150	24060	+	+	+

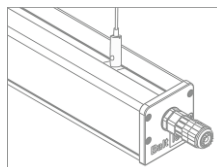
*Possible ±3-5% deviation

**DA – DALI driver; SENS – motion sensor

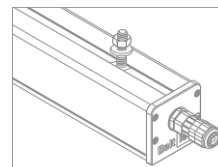
MOUNTING KITS (ordered separately)



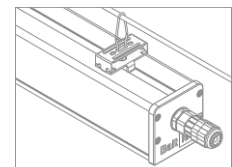
Adjustable stainless steel bracket for surface mounting **BWL-WKIT**



Stainless steel hanging cable with hook, 1.5 m **BWL-HKIT**



Stainless steel bolt, nut, washer for cable tray mounting **BWL-SKIT**



Stainless-steel surface/rope mounting kit **BWL-SRKITZ**