



## INDUSTRIAL LUMINAIRES

# FULMAR 4.0

### PRODUCT INFORMATION

Fulmar 4.0 is the fourth and the most efficient generation of the award-winning Fulmar series of industrial luminaires. The efficacy we have reached with Fulmar 4.0 goes up to 160 lm/W. What brings even greater electricity savings and lower electricity bills.

Fulmar 4.0 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 4.0 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 4.0 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 160 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

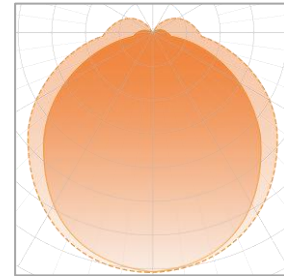
# FULMAR 4.0 120

## GENERAL INFORMATION

SUPPLY VOLTAGE	198 – 264 V; 50/60 Hz
POWER FACTOR	0.95 – 0.99
EFFICACY	138 – 152 lm/W
CCT	4000 K ± 150 K (natural white) 5000 K ± 150 K (cool 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-HE-...) -20 °C ~ +50 °C (BWL-HT-...)
STORAGE TEMP.	-40°C ~ +70 °C
LIFETIME	L80B10 80000 h (Ta +25°C) (BWL-HE-...) L80B10 75000 h (Ta +25°C) (BWL-HT-...)
MOUNTING OPTIONS	adjustable surface (wall, ceiling) mounting suspended mounting cable tray mounting rope mounting
CERTIFICATION	CE and RoHS compliant, ENEC certified
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

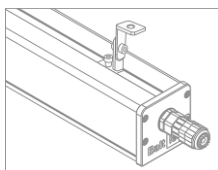
### FIXTURES

SKU	CCT	DIMENSIONS (LxHxW), MM non-sensor / sensor version	WEIGHT, KG	POWER, W*	LUMEN OUTPUT, LM*	OPTIONAL FEATURES**		
						DA	SENS	SENS+DA
BWLP-HE-025A120840E20	4000 K	346x100x75 / 416x100x75	1.1-1.2	20	3047	-	+	-
BWLP-HE-050A120840E35	4000 K	586x100x75 / 656x100x75	1.8-2.55	35	5070	+	+	+
BWLP-HT-050A120840E55	4000 K	586x100x75 / 656x100x75	1.8-2.55	55	7590	+	+	+
BWLP-HE-100A120840E70	4000 K	1076x100x75 / 1146x100x75	3.4-4.15	70	10010	+	+	+
BWLP-HT-100A120840E100	4000 K	1076x100x75 / 1146x100x75	3.4-4.15	100	14000	+	+	+
BWLP-HE-150A120840E100	4000 K	1567x100x75 / 1637x100x75	4.7-5.45	100	14423	+	+	+
BWLP-HT-150A120840E128	4000 K	1567x100x75 / 1637x100x75	4.7-5.45	128	17640	+	+	+
BWLP-HE-025A120850E20	5000 K	346x100x75 / 416x100x75	1.1-1.2	20	3047	-	+	-
BWLP-HE-050A120850E35	5000 K	586x100x75 / 656x100x75	1.8-2.55	35	5070	+	+	+
BWLP-HT-050A120850E55	5000 K	586x100x75 / 656x100x75	1.8-2.55	55	7590	+	+	+
BWLP-HE-100A120850E70	5000 K	1076x100x75 / 1146x100x75	3.4-4.15	70	10010	+	+	+
BWLP-HT-100A120850E100	5000 K	1076x100x75 / 1146x100x75	3.4-4.15	100	14000	+	+	+
BWLP-HE-150A120850E100	5000 K	1567x100x75 / 1637x100x75	4.7-5.45	100	14423	+	+	+
BWLP-HT-150A120850E128	5000 K	1567x100x75 / 1637x100x75	4.7-5.45	128	17640	+	+	+

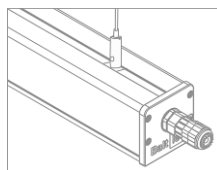
\*Possible ±3-5% deviation

\*\*DA – DALI driver; SENS – motion sensor

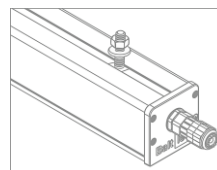
### MOUNTING KITS (ordered separately)



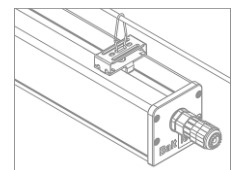
Adjustable stainless steel bracket for surface mounting BWL-WKIT



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

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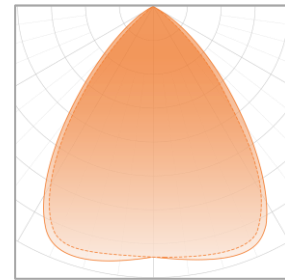
# FULMAR 4.0 100

## GENERAL INFORMATION

SUPPLY VOLTAGE	198 – 264 V; 50/60 Hz
POWER FACTOR	0.95 – 0.99
EFFICACY	144 – 160 lm/W
CCT	4000 K ± 150 K (natural white) 5000 K ± 150 K (cool 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-HE-...) -20 °C ~ +50 °C (BWL-HT-...)
STORAGE TEMP.	-40°C ~ +70 °C
LIFETIME	L80B10 80000 h (Ta +25°C) (BWL-HE-...) L80B10 75000 h (Ta +25°C) (BWL-HT-...)
MOUNTING OPTIONS	adjustable surface (wall, ceiling) mounting suspended mounting cable tray mounting surface/rope mounting
CERTIFICATION	CE and RoHS compliant, ENEC certified
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

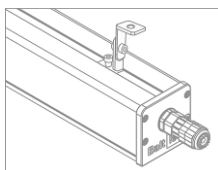
### FIXTURES

SKU	CCT	DIMENSIONS (LxHxW), MM non-sensor / sensor version	WEIGHT, KG	POWER, W*	LUMEN OUTPUT, LM*	OPTIONAL FEATURES**		
						DA	SENS	SENS+DA
BWLP-HE-025A100840E18	4000 K	317x77x75 / 387x77x75	1.0-1.1	18	2630	-	+	-
BWLP-HE-050A100840E34	4000 K	567x77x75 / 637x77x75	1.6-2.35	34	5200	+	+	+
BWLP-HT-050A100840E47	4000 K	567x77x75 / 637x77x75	1.6-2.35	47	6768	+	+	+
BWLP-HE-100A100840E65	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	65	10205	+	+	+
BWLP-HT-100A100840E90	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	90	13752	+	+	+
BWLP-HE-150A100840E96	4000 K	1568x77x75 / 1638x77x75	4.4-5.15	96	15360	+	+	+
BWLP-HE-200A100840E115	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	115	18400	+	+	+
BWLP-HE-200A100840E130	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	130	20800	+	+	+
BWLP-HT-150A100840E134	4000 K	1568x77x75 / 1638x77x75	4.4-5.15	134	20100	+	+	+
BWLP-HT-200A100840E150	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	150	22350	+	+	+
BWLP-HE-025A100850E18	5000 K	317x77x75 / 387x77x75	1.0-1.1	18	2630	-	+	-
BWLP-HE-050A100850E34	5000 K	567x77x75 / 637x77x75	1.6-2.35	34	5200	+	+	+
BWLP-HT-050A100850E47	5000 K	567x77x75 / 637x77x75	1.6-2.35	47	6768	+	+	+
BWLP-HE-100A100850E65	5000 K	1068x77x75 / 1138x77x75	3.1-3.85	65	10205	+	+	+
BWLP-HT-100A100850E90	5000 K	1068x77x75 / 1138x77x75	3.1-3.85	90	13752	+	+	+
BWLP-HE-150A100850E96	5000 K	1568x77x75 / 1638x77x75	4.4-5.15	96	15360	+	+	+
BWLP-HE-200A100850E115	5000 K	2068x77x75 / 2138x77x75	5.9-6.65	115	18400	+	+	+
BWLP-HE-200A100850E130	5000 K	2068x77x75 / 2138x77x75	5.9-6.65	130	20800	+	+	+
BWLP-HT-150A100850E134	5000 K	1568x77x75 / 1638x77x75	4.4-5.15	134	20100	+	+	+
BWLP-HT-200A100850E150	5000 K	2068x77x75 / 2138x77x75	5.9-6.65	150	22350	+	+	+

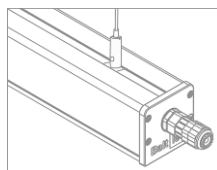
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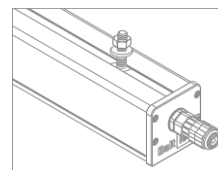
### MOUNTING KITS (ordered separately)



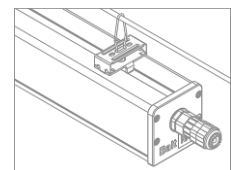
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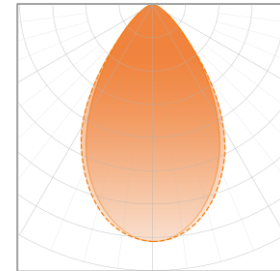
# FULMAR 4.0 60

## GENERAL INFORMATION

SUPPLY VOLTAGE	198 – 264 V; 50/60 Hz
POWER FACTOR	0.95 – 0.99
EFFICACY	144 – 160 lm/W
CCT	4000 K ± 150 K (natural white) 5000 K ± 150 K (cool 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-HE-...) -20 °C ~ +50 °C (BWL-HT-...)
STORAGE TEMP.	-40°C ~ +70 °C
LIFETIME	L80B10 80000 h (Ta +25°C) (BWL-HE-...) L80B10 75000 h (Ta +25°C) (BWL-HT-...)
MOUNTING OPTIONS	adjustable surface (wall, ceiling) mounting suspended mounting cable tray mounting surface/rope mounting
CERTIFICATION	CE and RoHS compliant, ENEC certified
WARRANTY	5 years
OPTIONAL FEATURES	DALI, motion sensor



## LIGHT DISTRIBUTION GRAPH



— C0-180 - - - C90-270 60°

## 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

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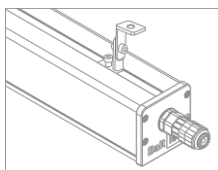
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BWLP-HT-050A60840E47	4000 K	567x77x75 / 637x77x75	1.6-2.35	47	6768	+	+	+
BWLP-HE-100A60840E65	4000 K	1068x77x75 / 1138x77x75	3.1-3.85	65	10205	+	+	+
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BWLP-HT-200A60840E150	4000 K	2068x77x75 / 2138x77x75	5.9-6.65	150	22350	+	+	+
BWLP-HE-025A60850E18	5000 K	317x77x75 / 387x77x75	1.0-1.1	18	2630	-	+	-
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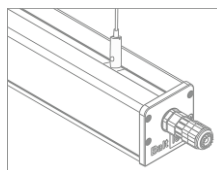
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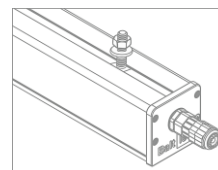
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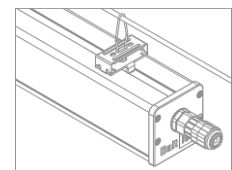
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