

BARAT LED

Product Group: Waterproof and Cleanroom Luminaires



Type: A waterproof LED luminaire with opal diffuser and high impact resistance

Specification:

Light source: LED, included
Diffuser: opal polycarbonate (PC), UV stabilized, high impact resistance
Light distribution type: direct
Body: light grey polycarbonate, UV stabilized, high impact resistance
Gear tray: sheet steel, white color
Diffuser retaining clips and sealing washers from the end of the body for easy maintenance
Ingress protection code: IP66
Mechanical impact resistance: IK10
Mains voltage: 220-240V 0/50-60Hz
Power factor: >0,95
Protection class IEC: I (II optional)
Operating temperature range, °C: -20 ...+40 °C (from 0 °C with EMG/EM3)
Luminaire is plastic-wrapped and boxed individually

Installation:

Surface luminaire designed to be fixed to ceiling of any type or suspended. Terminal, 5x2x2,5mm²

Application:

Indoor. Dust and moisture proof luminaire, ideal for use in factories, warehouses, garages, halls and many other commercial applications



Supplied with two fixing brackets for easy installation, sealing washer and accessories for chain and wire suspension.



Diffuser retaining clips made of stainless steel available on request. See option list: IC- Stainless steel clips

Name	Overall dimensions (LxWxH)**, mm	Life-time	Luminaire output*, lm Ta=25°C	System power*, W	System efficacy, lm/W	CRI (Ra)	CCT, K	Weight, kg
Barat LED1x2050 D556 T840 PC/PC OP LT80	662x96x111	50000	2017	15,0	138	80+	4000	1,30
Barat LED1x2750 D557 T840 PC/PC OP LT80	662x96x111	50000	2745	21,0	130	80+	4000	1,30
Barat LED2x1250 D558 T840 PC/PC OP LT80	662x146x111	50000	2475	17,0	142	80+	4000	1,80
Barat LED2x2050 D559 T840 PC/PC OP LT80	662x146x111	50000	4034	27,0	148	80+	4000	1,80
Barat LED1x3300 D560 T840 PC/PC OP LT80	1272x96x111	50000	3266	22,0	152	80+	4000	2,10
Barat LED1x4050 D561 T840 PC/PC OP LT80	1272x96x111	50000	4036	27,0	148	80+	4000	2,10
Barat LED1x5500 D562 T840 PC/PC OP LT80	1272x96x111	50000	5490	38,0	144	80+	4000	2,10
Barat LED1x6850 D563 T840 PC/PC OP LT80	1272x96x111	50000	6829	50,0	136	80+	4000	2,10
Barat LED2x4800 D564 T840 PC/PC OP LT80	1272x146x111	50000	9547	65,0	148	80+	4000	2,80
Barat LED1x4100 D565 T840 PC/PC OP LT80	1572x96x111	50000	4082	27,0	151	80+	4000	2,60
Barat LED1x5050 D566 T840 PC/PC OP LT80	1572x96x111	50000	5045	34,0	148	80+	4000	2,60
Barat LED1x6900 D567 T840 PC/PC OP LT80	1572x96x111	50000	6863	48,0	144	80+	4000	2,60
Barat LED1x8550 D568 T840 PC/PC OP LT80	1572x96x111	50000	8537	63,0	136	80+	4000	2,60
Barat LED2x6000 D569 T840 PC/PC OP LT80	1572x146x111	50000	11934	81,0	148	80+	4000	3,30

* Tolerance range for optical and electrical data: ±10 %

PREMIUM RANGE AVAILABLE ON REQUEST (SUBJECT TO MINIMUM ORDER QUANTITY)

Name	Overall dimensions (LxWxH)**, mm	Life-time	Luminaire output*, lm Ta=25°C	System power*, W	System efficacy, lm/W	CRI (Ra)	CCT, K	Weight, kg
Barat LED1x2150 G019 T840 PC/PC OP LT80	662x96x111	50000	2132	15,0	146	80+	4000	1,30
Barat LED1x2950 G020 T840 PC/PC OP LT80	662x96x111	50000	2902	21,0	138	80+	4000	1,30
Barat LED2x1350 G021 T840 PC/PC OP LT80	662x146x111	50000	2625	17,0	159	80+	4000	1,80
Barat LED2x2150 G022 T840 PC/PC OP LT80	662x146x111	50000	4264	27,0	156	80+	4000	1,80
Barat LED1x3500 G023 T840 PC/PC OP LT80	1272x96x111	50000	3456	21,0	161	80+	4000	2,10
Barat LED1x4300 G024 T840 PC/PC OP LT80	1272x96x111	50000	4264	27,0	156	80+	4000	2,10
Barat LED1x5850 G025 T840 PC/PC OP LT80	1272x96x111	50000	5803	38,0	152	80+	4000	2,10
Barat LED1x7250 G026 T840 PC/PC OP LT80	1272x96x111	50000	7218	50,0	144	80+	4000	2,10
Barat LED2x5050 G027 T840 PC/PC OP LT80	1272x146x111	50000	10096	64,0	157	80+	4000	2,80
Barat LED1x4350 G028 T840 PC/PC OP LT80	1572x96x111	50000	4320	27,0	161	80+	4000	2,60
Barat LED1x5350 G029 T840 PC/PC OP LT80	1572x96x111	50000	5331	34,0	156	80+	4000	2,60
Barat LED1x7300 G030 T840 PC/PC OP LT80	1572x96x111	50000	7254	48,0	152	80+	4000	2,60
Barat LED1x9050 G031 T840 PC/PC OP LT80	1572x96x111	50000	9022	63,0	144	80+	4000	2,60
Barat LED2x6350 G032 T840 PC/PC OP LT80	1572x146x111	50000	12620	81,0	157	80+	4000	3,30

* Tolerance range for optical and electrical data: ±10 %

Options available on request:

- SDIM- Switch-control/dimming
- DALI- DALI driver
- EMG- Emergency version 1 hour
- EMGB- Emergency version 1 hour (best available technology)
- EM3- Emergency version 3 hours
- EM3B- Emergency version 3 hours (best available technology)
- EM3A- Emergency version equipped with an autonomous testing system, 3 hours
- EM3D- Emergency version 3 hours with DALI interface
- MW- Microwave motion sensor with on-off control (Microwave motion sensor with integrated RF (radio wave) transceiver available on request)
- IC- Stainless steel clips
- OP LT80- Opal UV stabilized polycarbonate diffuser
- T830- Colour temperature 3000K, CRI 80+
- T840- Colour temperature 4000K, CRI 80+
- 1LIN- Through wiring 3x1.5 mm² with two push-in terminal blocks
- 3LIN- Through wiring 5x1.5 mm² with two push-in terminal blocks
- 1LIN2.5- Through wiring 3x2.5 mm² with two push-in terminal blocks
- 3LIN2.5- Through wiring 5x2.5 mm² with two push-in terminal blocks
- L1- Driver connected to L1 line
- L2- Driver connected to L2 line
- L3- Driver connected to L3 line
- II- Electric shock protection class II

