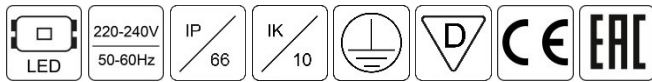


## BARAT LED

### Product Group: Waterproof and Cleanroom Luminaires



**Images for the product family and options:**



**Description:**

A waterproof IP66 LED luminaire with opal diffuser and high impact resistance  
 Diffuser: opal polycarbonate (PC), UV stabilized, high impact resistance  
 Body: light grey polycarbonate, UV stabilized, high impact resistance  
 Gear tray: sheet steel, white finish  
 Diffuser retaining clips and sealing washers from the end of the body for easy maintenance

**General data:**

Mains voltage: 220-240V, 50/60Hz  
 Power factor: >0,95  
 Light source: LED  
 Light source included: Yes  
 Light distribution type: Wide-wide beam  
 LED lifetime, h: 50000/L80B50  
 Operating temperature range, °C: ta -20...+35  
 Protection class IEC: I (II optional)  
 Ingress protection code: IP66  
 Mechanical impact resistance: IK10  
 Protection symbol: D  
 Glow wire test, °C: 850  
 EEC: A++

**Installation:**

Surface luminaire designed to be fixed to ceiling of any type or suspended. Push-in terminal, 5x2x2.5mm<sup>2</sup>

**Environment:**

Indoor/outdoor with roof

**Application:**

Industry, warehouse, hall, sports, public place, parking area, transport terminal, parking area



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



Diffuser retaining clips made of stainless steel available on request. For more information see the option list: IC- Stainless steel clips.



Suspension mounting kit for Barat, Proof and Nord LED luminaires with two 1.5 or 3.0 meter cables is available on request. For more information see the accessories list.

**TECHNICAL DATA SHEET**

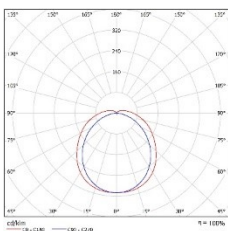
Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI	CCT*, K	Weight, kg
Barat LED1x2350 H023 T830 PC/PC OP LT80	662	96	111	2185	18,9	116	80+	3000	1,30
Barat LED2x2000 H024 T830 PC/PC OP LT80	662	146	111	3740	29,5	127	80+	3000	1,80
Barat LED1x3950 H025 T830 PC/PC OP LT80	1272	96	111	3740	29,5	127	80+	3000	2,10
Barat LED1x4650 H026 T830 PC/PC OP LT80	1272	96	111	4369	35,3	124	80+	3000	2,10
Barat LED1x5250 H027 T830 PC/PC OP LT80	1272	96	111	4949	41,5	119	80+	3000	2,10
Barat LED1x5000 H028 T830 PC/PC OP LT80	1572	96	111	4724	36,4	130	80+	3000	2,60
Barat LED1x5850 H029 T830 PC/PC OP LT80	1572	96	111	5519	44,1	125	80+	3000	2,60
Barat LED1x6600 H030 T830 PC/PC OP LT80	1572	96	111	6252	51,8	121	80+	3000	2,60
Barat LED1x2350 H023 T840 PC/PC OP LT80	662	96	111	2303	18,9	122	80+	4000	1,30
Barat LED2x2000 H024 T840 PC/PC OP LT80	662	146	111	3943	29,4	134	80+	4000	1,80
Barat LED1x3950 H025 T840 PC/PC OP LT80	1272	96	111	3943	29,5	134	80+	4000	2,10
Barat LED1x4650 H026 T840 PC/PC OP LT80	1272	96	111	4606	35,3	131	80+	4000	2,10
Barat LED1x5250 H027 T840 PC/PC OP LT80	1272	96	111	5218	41,5	126	80+	4000	2,10
Barat LED1x5000 H028 T840 PC/PC OP LT80	1572	96	111	4981	36,4	137	80+	4000	2,60
Barat LED1x5850 H029 T840 PC/PC OP LT80	1572	96	111	5818	44,1	132	80+	4000	2,60
Barat LED1x6600 H030 T840 PC/PC OP LT80	1572	96	111	6591	51,8	127	80+	4000	2,60

\* tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C

**Available options:**

- DALI Driver with DALI interface and switch-control dimming
- COR Driver with Corridor function (never off)
- COR1min Driver with Corridor function 1min (switch off after 1 min.)
- COR30min Driver with Corridor function 30min (switch off after 30 min.)
- MW Integrated microwave (MW) motion sensor with on-off control
- 5TB 5-pole terminal block in middle of luminaire for easy through wiring
- \*note - 5TB terminal block included as standard*
- 1LIN Through wiring 3x1.5 mm<sup>2</sup> with two push-in terminal blocks
- 3LIN Through wiring 5x1.5 mm<sup>2</sup> with two push-in terminal blocks
- 1LIN2.5 Through wiring 3x2.5 mm<sup>2</sup> with two push-in terminal blocks
- 3LIN2.5 Through wiring 5x2.5 mm<sup>2</sup> with two push-in terminal blocks
- \*note - LIN options applicable for models longer than 800mm, for shorter models 5TB option*
- 1G Strain relief for power supply cable
- 2G Strain relief for power supply cable, 2pcs
- IC Stainless steel clips
- ABS/PMMAABS/PMMA — body made from acrylonitrile butadiene styrene and diffuser from acrylic
- \*note - Luminaires with ABS/PMMA options are equipped with plastic cable glands*
- OP LT80 Opal diffuser with high light transmittance
- T830 Color temperature 3000K, CRI 80+
- T840 Color temperature 4000K, CRI 80+
- MWRFM+ Integrated microwave (MW) motion sensor with integrated RF (radio wave) transceiver. Sensor can serve as both master and slave. Functions: Staircase, Corridor, dimming control.
- MWRFM+off Integrated microwave (MW) motion sensor with integrated RF (radio wave) transceiver. Sensor can serve as both master and slave. Functions: Staircase, Corridor, (no dimming control).
- MWRFM Integrated microwave (MW) motion sensor with integrated RF (radio wave) transmitter. Sensor can serve as master. Functions: Staircase, Corridor, dimming control.
- MWRFS+ Integrated microwave (MW) motion sensor with integrated RF (radio wave) receiver. Sensor can serve as slave. Functions: Staircase, Corridor, dimming control.
- MWRFS+off Integrated microwave (MW) motion sensor with integrated RF (radio wave) receiver. Sensor can serve as slave. Functions: Staircase, Corridor (no dimming control).
- MWRFS Integrated microwave (MW) motion sensor with integrated RF (radio wave) receiver. Sensor can serve as slave. Functions: Staircase, Corridor, (no dimming control).
- HBPIR7m Integrated PIR and LUX level sensing sensor for high ceiling (up to 7 meters) with on-off control
- \*note - Luminaire with integrated HBPIR7m sensor protection degree is IP65*
- EMGB Emergency version 1 hour (best available technology)
- EM3B Emergency version 3 hours (best available technology)
- EM3A Emergency version equipped with an autonomous testing system, 3 hours
- EM3Amin-25 Emergency version equipped with an autonomous testing system, 3 hours. Suitable for low ambient temperatures up to -25°C
- EM3D Emergency version 3 hours with DALI interface
- \*note - Operating temperature range for Luminaires with EM option, °C: ta 0... +35*
- II Electric shock protection class II

**OP LT80**



## TECHNICAL DATA SHEET

### Available accessories:



Product: Suspension MTG KIT - Barat/Proof/Nord LED 1.5m  
Description: Suspension kit for Barat/Proof/Nord LED luminaires, 1,5 meter, 2pcs



Product: Suspension MTG KIT - Barat/Proof/Nord LED 3.0m  
Description: Suspension kit for Barat/Proof/Nord LED luminaires, 3,0 meter, 2pcs

### Applications:

