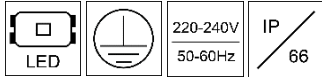


# BARAT LED

## Waterproof and Cleanroom Luminaires



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



**Description:** Surface mounted or suspended waterproof LED luminaire  
 Light distribution type: direct  
 Optical system: opal polycarbonate diffuser, UV stable, impact resistant  
 Housing: polycarbonate  
 Colour: light grey

**General data:** Mains voltage: 220-240V, 0/ 50-60Hz  
 LED lifetime, h: 100000/L80B10  
 SDCM: 3  
 Protection class IEC: I  
 Ingress protection code: IP66  
 Mechanical impact resistance: IK10  
 Protection symbol: D  
 Glow wire test, °C: 850  
 Operating temperature range, °C: ta -20...+35/ +40

**Installation:** On the ceiling or wall (mounting brackets included), or suspended (hooks included). 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.

Product	Length, mm	Width, mm	Height, mm	Luminaire output, lm	System power, W	System efficacy, lm/W	CRI	CCT, K	Weight, kg
Barat LED1x1600 G237 T830 PC/PC OP LT80	662	96	111	1481	10	148	80+	3000	1,3
Barat LED1x2150 G238 T830 PC/PC OP LT80	662	96	111	2026	13,9	146	80+	3000	1,3
Barat LED1x2850 G239 T830 PC/PC OP LT80	662	96	111	2687	17,2	156	80+	3000	1,3
Barat LED2x2150 G240 T830 PC/PC OP LT80	662	146	111	4052	25,6	158	80+	3000	1,8
Barat LED1x2850 G241 T830 PC/PC OP LT80	1272	96	111	2701	17,3	156	80+	3000	2,1
Barat LED1x3750 G242 T830 PC/PC OP LT80	1272	96	111	3523	21,9	161	80+	3000	2,1
Barat LED1x4600 G243 T830 PC/PC OP LT80	1272	96	111	4323	27,5	157	80+	3000	2,1
Barat LED1x5400 G244 T830 PC/PC OP LT80	1272	96	111	5094	33	154	80+	3000	2,1
Barat LED1x7150 G245 T830 PC/PC OP LT80	1272	96	111	6792	43,3	157	80+	3000	2,1
Barat LED1x9650 G246 T830 PC/PC OP LT80	1272	96	111	9086	57,5	158	80+	3000	2,1
Barat LED2x5700 G247 T830 PC/PC OP LT80	1272	146	111	10694	65,9	162	80+	3000	2,8
Barat LED1x4500 G248 T830 PC/PC OP LT80	1572	96	111	4267	27,8	154	80+	3000	2,6
Barat LED1x5700 G249 T830 PC/PC OP LT80	1572	96	111	5403	34	159	80+	3000	2,6
Barat LED1x6750 G250 T830 PC/PC OP LT80	1572	96	111	6368	40,8	156	80+	3000	2,6
Barat LED1x8950 G251 T830 PC/PC OP LT80	1572	96	111	8447	54,1	156	80+	3000	2,6
Barat LED1x12050 G252 T830 PC/PC OP LT80	1572	96	111	11358	71,1	160	80+	3000	2,6
Barat LED2x7100 G253 T830 PC/PC OP LT80	1572	146	111	13368	82,4	162	80+	3000	3,3
Barat LED1x1600 G237 T840 PC/PC OP LT80	662	96	111	1561	10	156	80+	4000	1,3
Barat LED1x2150 G238 T840 PC/PC OP LT80	662	96	111	2136	13,9	154	80+	4000	1,3
Barat LED1x2850 G239 T840 PC/PC OP LT80	662	96	111	2833	17,2	165	80+	4000	1,3
Barat LED2x2150 G240 T840 PC/PC OP LT80	662	146	111	4271	25,6	167	80+	4000	1,8
Barat LED1x2850 G241 T840 PC/PC OP LT80	1272	96	111	2847	17,3	165	80+	4000	2,1
Barat LED1x3750 G242 T840 PC/PC OP LT80	1272	96	111	3713	21,9	170	80+	4000	2,1
Barat LED1x4600 G243 T840 PC/PC OP LT80	1272	96	111	4556	27,5	166	80+	4000	2,1
Barat LED1x5400 G244 T840 PC/PC OP LT80	1272	96	111	5398	33	164	80+	4000	2,1
Barat LED1x7150 G245 T840 PC/PC OP LT80	1272	96	111	7122	43,3	165	80+	4000	2,1
Barat LED1x9650 G246 T840 PC/PC OP LT80	1272	96	111	9628	57,5	167	80+	4000	2,1
Barat LED2x5700 G247 T840 PC/PC OP LT80	1272	146	111	11331	65,9	172	80+	4000	2,8
Barat LED1x4500 G248 T840 PC/PC OP LT80	1572	96	111	4498	27,8	162	80+	4000	2,6
Barat LED1x5700 G249 T840 PC/PC OP LT80	1572	96	111	5695	34	167	80+	4000	2,6
Barat LED1x6750 G250 T840 PC/PC OP LT80	1572	96	111	6747	40,8	165	80+	4000	2,6
Barat LED1x8950 G251 T840 PC/PC OP LT80	1572	96	111	8903	54,1	165	80+	4000	2,6
Barat LED1x12050 G252 T840 PC/PC OP LT80	1572	96	111	12035	71,1	169	80+	4000	2,6
Barat LED2x7100 G253 T840 PC/PC OP LT80	1572	146	111	14164	82,4	172	80+	4000	3,3

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

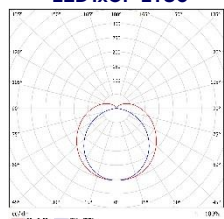
\*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.

**Available options:**

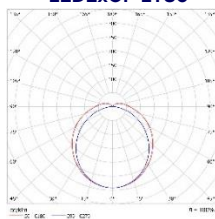
- T830 Colour temperature 3000K, CRI 80+
- T840 Colour temperature 4000K, CRI 80+
- ABS/PMMA ABS/PMMA — body made from acrylonitrile butadiene styrene and diffuser from acrylic
- \*note - Luminaires with ABS/PMMA options are equipped with plastic cable glands
- OP LT80 Opal diffuser with high light transmittance
- DALI Driver with DALI interface and switch-control dimming
- \*note - for DALI LIN option wires are 2x0.5mm<sup>2</sup>
- BLT Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth), with integrated DALI PS
- KRBLT Integrated wireless control unit and driver for lighting control via mobile device (KR system app), on/off
- KRBLT DALI Integrated wireless control unit and driver for lighting control via mobile device (KR system app), DALI with integrated PS
- 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
- 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.
- MW DALI2 Integrated microwave (MW) motion sensor with DALI2 controls, requires power supply
- MW KRBLT Integrated wireless microwave (MW) motion sensor with KR system app control, on-off
- MW KRBLT DALI Integrated wireless microwave (MW) motion sensor with KR system app control and DALI power supply.
- HBPIR-M Batten-fit PIR sensor for ceiling heights up to 12 meters, on-off, master luminaire
- HBPIR DALI-M Batten-fit PIR sensor for ceiling heights up to 12 meters, DALI with integrated PS, master luminaire

- HBPIR KRBLT Batten-fit PIR sensor for ceiling heights up to 12 meters, KR system app control, on-off
- HBPIR KBRT DALI Batten-fit PIR sensor for ceiling heights up to 12 meters, KR system app control and DALI with integrated PS
- \*note - Luminaire with integrated PIR sensor protection degree is IK05
- EM3 Emergency version 3 hours
- EM3A Emergency version equipped with an autonomous testing system, 3 hours
- EM3D Emergency version 3 hours with DALI interface
- \*note - Operating temperature range for Luminaires with EM option, C: ta 0...+35
- EM3A tmin-25 Emergency version equipped with an autonomous testing system, 3 hours. Suitable for low ambient temperatures up to -25 C
- 2G Strain relief for power supply cable, 2pcs
- 1LIN Through wiring single phase d=1.5 mm<sup>2</sup> with two push-in terminal blocks
- 2LIN Through wiring two phases d=1.5 mm<sup>2</sup> with two push-in terminal blocks
- 3LIN Through wiring three phases d=1.5 mm<sup>2</sup> with two push-in terminal blocks
- 1LIN2.5 Through wiring single phase d=2.5 mm<sup>2</sup> with two push-in terminal blocks
- 2LIN2.5 Through wiring two phases d=2.5 mm<sup>2</sup> with two push-in terminal blocks
- 3LIN2.5 Through wiring three phases d=2.5 mm<sup>2</sup> with two push-in terminal blocks
- \*note - LIN options applicable for models longer than 800mm, for shorter models 5TB option
- II Electric shock protection class II
- IC Stainless steel clips
- C3 2x 3-pole quick connection cable gland integrated in to luminaire for Ø6-11mm cable, Push-in terminal, 3x2.5mm<sup>2</sup>

**LED1xOP LT80**



**LED2xOP LT80**



## 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: Remote Control HRC-11  
 Description: Remote control unit, for DALI applications  
 \*note - remote control for HBPIR-M; HBPIR DALI-M



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

## Applications:

