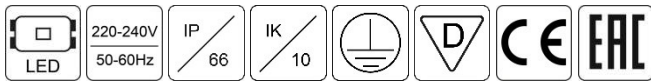


BARAT LED

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, 0/50-60Hz
 Power factor: >0,95
 Light source: LED
 Light source included: Yes
 Light distribution type: Direct
 LED lifetime, h: 75000/L80B50 (100000/L80B50 low power versions)
 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, 5x2x2.5mm²

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 rope 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 LED1x2050 D556 T830 PC/PC OP LT80	662	96	111	1931	14,6	132	80+	3000	1,30
Barat LED1x2750 D557 T830 PC/PC OP LT80	662	96	111	2627	21,1	125	80+	3000	1,30
Barat LED2x1250 D558 T830 PC/PC OP LT80	662	146	111	2376	16,5	144	80+	3000	1,80
Barat LED2x2050 D559 T830 PC/PC OP LT80	662	146	111	3861	27,3	141	80+	3000	1,80
Barat LED1x3300 D560 T830 PC/PC OP LT80	1272	96	111	3129	21,6	145	80+	3000	2,10
Barat LED1x4050 D561 T830 PC/PC OP LT80	1272	96	111	3861	27,3	141	80+	3000	2,10
Barat LED1x5500 D562 T830 PC/PC OP LT80	1272	96	111	5255	38,1	138	80+	3000	2,10
Barat LED1x6850 D563 T830 PC/PC OP LT80	1272	96	111	6535	50,2	130	80+	3000	2,10
Barat LED2x4800 D564 T830 PC/PC OP LT80	1272	146	111	9141	64,5	142	80+	3000	2,80
Barat LED1x4100 D565 T830 PC/PC OP LT80	1572	96	111	3911	27,0	145	80+	3000	2,60
Barat LED1x5050 D566 T830 PC/PC OP LT80	1572	96	111	4826	34,1	141	80+	3000	2,60
Barat LED1x6900 D567 T830 PC/PC OP LT80	1572	96	111	6568	47,6	138	80+	3000	2,60
Barat LED1x8550 D568 T830 PC/PC OP LT80	1572	96	111	8169	62,8	130	80+	3000	2,60
Barat LED2x6000 D569 T830 PC/PC OP LT80	1572	146	111	11426	80,6	142	80+	3000	3,30
Barat LED1x2050 D556 T840 PC/PC OP LT80	662	96	111	2017	14,6	138	80+	4000	1,30
Barat LED1x2750 D561 T840 PC/PC OP LT80	662	96	111	2745	21,1	130	80+	4000	1,30
Barat LED2x1250 D558 T840 PC/PC OP LT80	662	146	111	2475	17,4	142	80+	4000	1,80
Barat LED2x2050 D559 T840 PC/PC OP LT80 1G	662	146	111	4034	27,3	148	80+	4000	1,80
Barat LED1x3300 D560 T840 PC/PC OP LT80 1G	1272	96	111	3266	21,6	152	80+	4000	2,10
Barat LED1x4050 D561 T840 PC/PC OP LT80 1G	1272	96	111	4036	27,3	148	80+	4000	2,10
Barat LED1x5500 D562 T840 PC/PC OP LT80	1272	96	111	5490	38,1	144	80+	4000	2,10
Barat LED1x6850 D563 T840 PC/PC OP LT80 1G	1272	96	111	6829	50,2	136	80+	4000	2,10
Barat LED2x4800 D564 T840 PC/PC OP LT80 1G	1272	146	111	9547	64,5	148	80+	4000	2,80
Barat LED1x4100 D565 T840 PC/PC OP LT80	1572	96	111	4082	27,0	151	80+	4000	2,60
Barat LED1x5050 D566 T840 PC/PC OP LT80	1572	96	111	5045	34,1	148	80+	4000	2,60
Barat LED1x6900 D567 T840 PC/PC OP LT80 1G	1572	96	111	6863	47,6	144	80+	4000	2,60
Barat LED1x8550 D568 T840 PC/PC OP LT80 1G	1572	96	111	8537	62,8	136	80+	4000	2,60
Barat LED2x6000 D569 T840 PC/PC OP LT80 1G	1572	146	111	11934	80,6	148	80+	4000	3,30

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

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

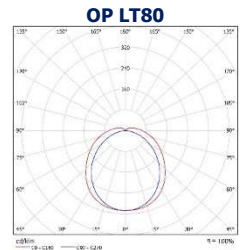
Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI	CCT*, K	Weight, kg
Barat LED1x2150 G019 T830 PC/PC OP LT80	662	96	111	2046	14,6	140	80+	3000	1,30
Barat LED1x2950 G020 T830 PC/PC OP LT80	662	96	111	2784	21,1	132	80+	3000	1,30
Barat LED2x1350 G021 T830 PC/PC OP LT80	662	146	111	2518	16,5	153	80+	3000	1,80
Barat LED2x2150 G022 T830 PC/PC OP LT80	662	146	111	4092	27,3	150	80+	3000	1,80
Barat LED1x3500 G023 T830 PC/PC OP LT80	1272	96	111	3316	21,5	155	80+	3000	2,10
Barat LED1x4300 G024 T830 PC/PC OP LT80	1272	96	111	4092	27,3	150	80+	3000	2,10
Barat LED1x5850 G025 T830 PC/PC OP LT80	1272	96	111	5568	38,1	146	80+	3000	2,10
Barat LED1x7250 G026 T830 PC/PC OP LT80	1272	96	111	6925	50,2	138	80+	3000	2,10
Barat LED2x5050 G027 T830 PC/PC OP LT80	1272	146	111	9687	64,4	150	80+	3000	2,80
Barat LED1x4350 G028 T830 PC/PC OP LT80	1572	96	111	4144	26,8	155	80+	3000	2,60
Barat LED1x5350 G029 T830 PC/PC OP LT80	1572	96	111	5115	34,1	150	80+	3000	2,60
Barat LED1x7300 G030 T830 PC/PC OP LT80	1572	96	111	6960	47,6	146	80+	3000	2,60
Barat LED1x9050 G031 T830 PC/PC OP LT80	1572	96	111	8656	62,8	138	80+	3000	2,60
Barat LED2x6350 G032 T830 PC/PC OP LT80	1572	146	111	12109	80,5	150	80+	3000	3,30
Barat LED1x2150 G019 T840 PC/PC OP LT80	662	96	111	2132	14,6	146	80+	4000	1,30
Barat LED1x2950 G020 T840 PC/PC OP LT80	662	96	111	2902	21,1	138	80+	4000	1,30
Barat LED2x1350 G021 T840 PC/PC OP LT80	662	146	111	2625	16,5	159	80+	4000	1,80
Barat LED2x2150 G022 T840 PC/PC OP LT80	662	146	111	4264	27,3	156	80+	4000	1,80
Barat LED1x3500 G023 T840 PC/PC OP LT80	1272	96	111	3456	21,5	161	80+	4000	2,10
Barat LED1x4300 G024 T840 PC/PC OP LT80	1272	96	111	4264	27,3	156	80+	4000	2,10
Barat LED1x5850 G025 T840 PC/PC OP LT80	1272	96	111	5803	38,1	152	80+	4000	2,10
Barat LED1x7250 G026 T840 PC/PC OP LT80	1272	96	111	7218	50,2	144	80+	4000	2,10
Barat LED2x5050 G027 T840 PC/PC OP LT80	1272	146	111	10096	64,4	157	80+	4000	2,80
Barat LED1x4350 G028 T840 PC/PC OP LT80	1572	96	111	4320	26,8	161	80+	4000	2,60
Barat LED1x5350 G029 T840 PC/PC OP LT80	1572	96	111	5331	34,1	156	80+	4000	2,60
Barat LED1x7300 G030 T840 PC/PC OP LT80	1572	96	111	7254	47,6	152	80+	4000	2,60
Barat LED1x9050 G031 T840 PC/PC OP LT80	1572	96	111	9022	62,8	144	80+	4000	2,60
Barat LED2x6350 G032 T840 PC/PC OP LT80	1572	146	111	12620	80,5	157	80+	4000	3,30

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

TECHNICAL DATA SHEET

Available options:

SDIM	Driver with switch-control dimming
DALI	Driver with DALI interface
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.
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 sensor for high ceiling (up to 7 meters) with on-off control
<i>*note - Luminaire with integrated HBPIR7m sensor protection degree is IP65</i>	
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
<i>*note - EM options not applicable for models: D557, G020</i>	
5TB	5-pole terminal block in middle of luminaire for easy through wiring
<i>*note - 5TB terminal block included as standard</i>	
1LIN	Through wiring 3x1.5 mm ² with two push-in terminal blocks
3LIN	Through wiring 5x1.5 mm ² with two push-in terminal blocks
1LIN2.5	Through wiring 3x2.5 mm ² with two push-in terminal blocks
3LIN2.5	Through wiring 5x2.5 mm ² with two push-in terminal blocks
<i>*note - LIN options applicable for models longer than 800mm, for shorter models 5TB option</i>	
1G	Strain relief for power supply cable
2G	Strain relief for power supply cable, 2pcs
II	Electric shock protection class II
IC	Stainless steel clips
OP LT80	Opal diffuser with high light transmittance
T830	Colour temperature 3000K, CRI 80+
T840	Colour temperature 4000K, CRI 80+



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:

