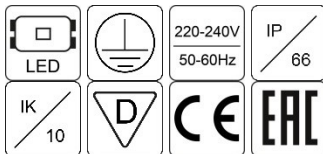


BARAT LED

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/L80B50
 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

Installation: On the ceiling or wall (mounting brackets included), or suspended (hooks included). 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 cables is available on request. For more information see the accessories list.

TECHNICAL DATA SHEET

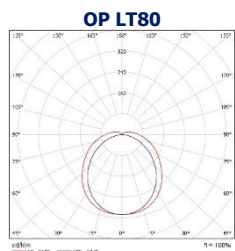
Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI	CCT*, K	Weight, kg
Barat LED1x1600 G237 T830 PC/PC OP LT80	662	96	111	1481	10,0	148	80+	3000	1,30
Barat LED1x2150 G238 T830 PC/PC OP LT80	662	96	111	2026	13,9	146	80+	3000	1,30
Barat LED1x2850 G239 T830 PC/PC OP LT80	662	96	111	2687	17,2	156	80+	3000	1,30
Barat LED2x2150 G240 T830 PC/PC OP LT80	662	146	111	4052	25,6	158	80+	3000	1,80
Barat LED1x2850 G241 T830 PC/PC OP LT80	1272	96	111	2701	17,3	156	80+	3000	2,10
Barat LED1x3750 G242 T830 PC/PC OP LT80	1272	96	111	3523	21,9	161	80+	3000	2,10
Barat LED1x4600 G243 T830 PC/PC OP LT80	1272	96	111	4323	27,5	157	80+	3000	2,10
Barat LED1x5400 G244 T830 PC/PC OP LT80	1272	96	111	5094	33,0	154	80+	3000	2,10
Barat LED1x7150 G245 T830 PC/PC OP LT80	1272	96	111	6792	43,3	157	80+	3000	2,10
Barat LED1x9650 G246 T830 PC/PC OP LT80	1272	96	111	9086	57,5	158	80+	3000	2,10
Barat LED2x5700 G247 T830 PC/PC OP LT80	1272	146	111	10694	65,9	162	80+	3000	2,80
Barat LED1x4500 G248 T830 PC/PC OP LT80	1572	96	111	4267	27,8	154	80+	3000	2,60
Barat LED1x5700 G249 T830 PC/PC OP LT80	1572	96	111	5403	34,0	159	80+	3000	2,60
Barat LED1x6750 G250 T830 PC/PC OP LT80	1572	96	111	6368	40,8	156	80+	3000	2,60
Barat LED1x8950 G251 T830 PC/PC OP LT80	1572	96	111	8447	54,1	156	80+	3000	2,60
Barat LED1x12050 G252 T830 PC/PC OP LT80	1572	96	111	11358	71,1	160	80+	3000	2,60
Barat LED2x7100 G253 T830 PC/PC OP LT80	1572	146	111	13368	82,4	162	80+	3000	3,30
Barat LED1x1600 G237 T840 PC/PC OP LT80	662	96	111	1561	10,0	156	80+	4000	1,30
Barat LED1x2150 G238 T840 PC/PC OP LT80	662	96	111	2136	13,9	154	80+	4000	1,30
Barat LED1x2850 G239 T840 PC/PC OP LT80	662	96	111	2833	17,2	165	80+	4000	1,30
Barat LED2x2150 G240 T840 PC/PC OP LT80	662	146	111	4271	25,6	167	80+	4000	1,80
Barat LED1x2850 G241 T840 PC/PC OP LT80	1272	96	111	2847	17,3	165	80+	4000	2,10
Barat LED1x3750 G242 T840 PC/PC OP LT80	1272	96	111	3713	21,9	170	80+	4000	2,10
Barat LED1x4600 G243 T840 PC/PC OP LT80	1272	96	111	4556	27,5	166	80+	4000	2,10
Barat LED1x5400 G244 T840 PC/PC OP LT80	1272	96	111	5398	33,0	164	80+	4000	2,10
Barat LED1x7150 G245 T840 PC/PC OP LT80	1272	96	111	7122	43,3	165	80+	4000	2,10
Barat LED1x9650 G246 T840 PC/PC OP LT80	1272	96	111	9628	57,5	167	80+	4000	2,10
Barat LED2x5700 G247 T840 PC/PC OP LT80	1272	146	111	11331	65,9	172	80+	4000	2,80
Barat LED1x4500 G248 T840 PC/PC OP LT80	1572	96	111	4498	27,8	162	80+	4000	2,60
Barat LED1x5700 G249 T840 PC/PC OP LT80	1572	96	111	5695	34,0	167	80+	4000	2,60
Barat LED1x6750 G250 T840 PC/PC OP LT80	1572	96	111	6747	40,8	165	80+	4000	2,60
Barat LED1x8950 G251 T840 PC/PC OP LT80	1572	96	111	8903	54,1	165	80+	4000	2,60
Barat LED1x12050 G252 T840 PC/PC OP LT80	1572	96	111	12035	71,1	169	80+	4000	2,60
Barat LED2x7100 G253 T840 PC/PC OP LT80	1572	146	111	14164	82,4	172	80+	4000	3,30

*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

Available options:

DALI	Driver with DALI interface and switch-control dimming	HBPIR7m	Integrated PIR and LUX level sensing sensor for high ceiling (up to 7 meters) with on-off control
COR	Driver with Corridor function (never off)		
COR1min	Driver with Corridor function 1min (switch off after 1 min.)	*note - Luminaire with integrated HBPIR7m sensor protection degree is IP65	
COR30min	Driver with Corridor function 30min (switch off after 30 min.)	EM3	Emergency version 3 hours
MW	Integrated microwave (MW) motion sensor with on-off control	EM3B	Emergency version 3 hours (best available technology)
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.	EM3A	Emergency version equipped with an autonomous testing system, 3 hours
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).	EM3Atmin-25	Emergency version equipped with an autonomous testing system, 3 hours. Suitable for low ambient temperatures up to -25°C
MWRFM	Integrated microwave (MW) motion sensor with integrated RF (radio wave) transmitter. Sensor can serve as master. Functions: Staircase, Corridor, dimming control.	EM3D	Emergency version 3 hours with DALI interface
MWRFS+	Integrated microwave (MW) motion sensor with integrated RF (radio wave) receiver. Sensor can serve as slave. Functions: Staircase, Corridor, dimming control.	*note - options EM3A, EM3Atmin25 and EM3D not applicable for models: H117, H118	
MWRFS+off	Integrated microwave (MW) motion sensor with integrated RF (radio wave) receiver. Sensor can serve as slave. Functions: Staircase, Corridor (no dimming control).	*note - Operating temperature range for Luminaires with EM option, °C: ta 0... +35	
MWRFS	Integrated microwave (MW) motion sensor with integrated RF (radio wave) receiver. Sensor can serve as slave. Functions: Staircase, Corridor, (no dimming control).	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
		*note - LIN options applicable for models longer than 800mm	
		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+

*note - all MWRFM and MWRFS options not applicable for models: H117, H118



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