

## BARAT LED1X4600 G243 T840 PC/PC OP LT80 • 1105239



Product:	Barat LED1x4600 G243 T840 PC/PC OP LT80
Order code:	1105239
Family:	Barat LED
Product group:	Waterproof and cleanroom luminaires

### GENERAL DATA

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		
Instalation:	On the ceiling or wall (mounting brackets included), or suspended (hooks included). Push-in terminal, 5x2x2.5mm2		
Environment	Indoor/outdoor with roof		
Application	public place, industry, warehouse, hall, parking area, sports, transport terminal		

#### ELECTRICAL DATA

Power factor:       >0.95       Control gear:       ECG on/off         Integrated sensor:       None       Surge protection (L to N), kV:       1         Surge protection (L/N to PE), kV:       2       Inrush current (Imax/time):       23A/ 140µs         Overvoltage protection:       330V AC, 1h       Connection:       Push-in terminal, 5x2x2.5mm2         LIGHTING DATA       Light source included:       yes         Luminaire output*, Im (ta+25°C):       4556       System efficacy, Im/W:       166         CRI (Ra):       80+       CCT, K:       4000         SDCM:       3       Light Distribution:       Wide-wide beam (C0-C180 plane 76125 , C90-C270 plane 76125 )         Distribution Type:       Direct       Beam angle, *:       125x103         LED lifetime, h:       100000/L80850       Ripple current (≤120 Hz), %:       ≤1         TECHNICAL DATA         Net weight, kg:       2.1       Quantity in package, pcs:       1         Packaging volume, m3/pcs:       0.016571192       Pallet quantity, pcs:       84         Dimensions, mm:       1272x96x111         STANDARDS       Protection class IEC:       I         Operating temperature range, *C:       Inrush current (imax/time):       IK10         Image: C:				
Integrated sensor:   None   Surge protection (L to N), kV: 1	Mains voltage:	220-240V, 0/50/60Hz	System power*, W:	27.5
Surge protection (L/N to PE), kV:         2         Inrush current (Imax/time):         23A/ 140µs           Overvoltage protection:         330V AC, 1h         Connection:         Push-in terminal, 5x2x2,5mm2           LIGHTING DATA         Light source included:         yes           Luminaire output*, Im (ta+25°C):         4556         System efficacy, Im/W:         166           CRI (Ra):         80+         CCT, K:         4000           SDCM:         3         Light Distribution:         Wide-wide beam (C0-C180 plane 76125 , C90-C270 plane 76125 )           Distribution Type:         Direct         Beam angle, °:         125x103           LED lifetime, h:         100000/L80850         Ripple current (≤120 Hz), %:         ≤1           TECHNICAL DATA           Net weight, kg:         2.1         Quantity in package, pcs:         1           Packaging volume, m3/pcs:         0.016571192         Pallet quantity, pcs:         84           Dimensions, mm:         1272x96x111         STANDARDS           Operating temperature range, °C:         ta -20+35         Protection class IEC:         I           Ingress protection code:         IP66         Mechanical impact resistance:         IK10	Power factor:	>0,95	Control gear:	ECG on/off
kV:         Overvoltage protection:         330V AC, 1h         Connection:         Push-in terminal, 5x2x2.5mm2           LIGHTING DATA           Light source and cap, W:         LED         Light source included:         yes           Luminaire output*, Im (ta+25°C):         4556         System efficacy, Im/W:         166           CRI (Ra):         80+         CCT, K:         4000           SDCM:         3         Light Distribution:         Wide-wide beam (C0-C180 plane 76125 , C90-C270 plane 76125 )           Distribution Type:         Direct         Beam angle, °:         125x103           LED lifetime, h:         100000/L80850         Ripple current (≤120 Hz), %:         ≤1           TECHNICAL DATA           Net weight, kg:         2.1         Quantity in package, pcs:         1           Packaging volume, m3/pcs:         0.016571192         Pallet quantity, pcs:         84           Dimensions, mm:         1272x96x111         STANDARDS           Operating temperature range, °C:         ta -20+35         Protection class IEC:         I           Ingress protection code:         IP66         Mechanical impact resistance:         IK10	Integrated sensor:	None	Surge protection (L to N), kV:	1
LIGHTING DATA         Light source and cap, W:       LED       Light source included:       yes         Luminaire output*, Im (ta+25°C):       4556       System efficacy, Im/W:       166         CRI (Ra):       80+       CCT, K:       4000         SDCM:       3       Light Distribution:       Wide-wide beam (C0-C180 plane 76125 , C90-C270 plane 76125 )         Distribution Type:       Direct       Beam angle, °:       125x103         LED lifetime, h:       100000/L80B50       Ripple current (≤120 Hz), %:       ≤1         TECHNICAL DATA         Net weight, kg:       2.1       Quantity in package, pcs:       1         Pallet quantity, pcs:       84         Dimensions, mm:       1272x96x111         STANDARDS         Operating temperature range, °C:       ta -20+35       Protection class IEC:       I         Ingress protection code:       IP66       Mechanical impact resistance:       IK10	Surge protection (L/N to PE), kV:	2	Inrush current (Imax/time):	23A/ 140μs
Light source and cap, W:         LED         Light source included:         yes           Luminaire output*, Im (ta+25°C):         4556         System efficacy, Im/W:         166           CRI (Ra):         80+         CCT, K:         4000           SDCM:         3         Light Distribution:         Wide-wide beam (C0-C180 plane 76125 , C90-C270 plane 76125 )           Distribution Type:         Direct         Beam angle, °:         125x103           LED lifetime, h:         100000/L80B50         Ripple current (≤120 Hz), %:         ≤1           TECHNICAL DATA           Net weight, kg:         2.1         Quantity in package, pcs:         1           Packaging volume, m3/pcs:         0.016571192         Pallet quantity, pcs:         84           Dimensions, mm:         1272x96x111         STANDARDS           Operating temperature range, °C:         ta -20+35         Protection class IEC:         I           Ingress protection code:         IP66         Mechanical impact resistance:         IK10	Overvoltage protection:	330V AC, 1h	Connection:	Push-in terminal, 5x2x2.5mm2
Luminaire output*, Im (ta+25°C):         4556         System efficacy, Im/W:         166           CRI (Ra):         80+         CCT, K:         4000           SDCM:         3         Light Distribution:         Wide-wide beam (C0-C180 plane 76125, C90-C270 plane 76125)           Distribution Type:         Direct         Beam angle, °:         125x103           LED lifetime, h:         100000/L80B50         Ripple current (≤120 Hz), %:         ≤1           TECHNICAL DATA           Net weight, kg:         2.1         Quantity in package, pcs:         1           Packaging volume, m3/pcs:         0.016571192         Pallet quantity, pcs:         84           Dimensions, mm:         1272x96x111         STANDARDS           Operating temperature range, °C:         ta -20+35         Protection class IEC:         I           Ingress protection code:          IP66         Mechanical impact resistance:         IK10	LIGHTING DATA			
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SDCM:    SDCM:   SDCM	Luminaire output*, lm (ta+25°C):	4556	System efficacy, lm/W:	166
Distribution Type: Direct Beam angle, °: 125x103  LED lifetime, h: 100000/L80B50 Ripple current (≤120 Hz), %: ≤1  TECHNICAL DATA  Net weight, kg: 2.1 Quantity in package, pcs: 1  Packaging volume, m3/pcs: 0.016571192 Pallet quantity, pcs: 84  Dimensions, mm: 1272x96x111  STANDARDS  Operating temperature range, °C: Ip66 Mechanical impact resistance: IK10	CRI (Ra):	80+	ССТ, К:	4000
LED lifetime, h: 100000/L80B50 Ripple current (≤120 Hz), %: ≤1  TECHNICAL DATA  Net weight, kg: 2.1 Quantity in package, pcs: 1  Packaging volume, m3/pcs: 0.016571192 Pallet quantity, pcs: 84  Dimensions, mm: 1272x96x111  STANDARDS  Operating temperature ta -20+35 Protection class IEC: I  range, °C: Ingress protection code: IP66 Mechanical impact resistance: IK10	SDCM:	3	Light Distribution:	76125 , C90-C270 plane 76
TECHNICAL DATA  Net weight, kg: 2.1 Quantity in package, pcs: 1  Packaging volume, m3/pcs: 0.016571192 Pallet quantity, pcs: 84  Dimensions, mm: 1272x96x111  STANDARDS  Operating temperature ta -20+35 Protection class IEC: I range, °C:  Ingress protection code: IP66 Mechanical impact resistance: IK10	Distribution Type:	Direct	Beam angle, °:	125x103
Net weight, kg:  Packaging volume, m3/pcs:  0.016571192  Pallet quantity, pcs:  1272x96x111  STANDARDS  Operating temperature range, °C:  Ingress protection code:  IP66  Mechanical impact resistance:  I R10	LED lifetime, h:	100000/L80B50	Ripple current (≤120 Hz), %:	≤1
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Dimensions, mm: 1272x96x111  STANDARDS  Operating temperature ta -20+35 Protection class IEC: I range, °C:  Ingress protection code: IP66 Mechanical impact resistance:	Net weight, kg:	2.1	Quantity in package, pcs:	1
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Operating temperature ta -20+35 Protection class IEC: I range, °C: Ingress protection code: IP66 Mechanical impact resistance:	Dimensions, mm:	1272x96x111		
range, °C:  Ingress protection code: IP66  Mechanical impact IK10  resistance:	STANDARDS			
resistance:	Operating temperature range, °C:	ta -20+35	Protection class IEC:	1
Protection symbol: D Glow wire test, °C: 850	Ingress protection code:	IP66	•	IK10
	Protection symbol:	D	Glow wire test, °C:	850

EEC: A++ Certificates: CE, RoHS

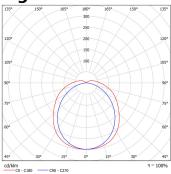
Warranty: 3 years

#### Technical drawing (.jpg)



L, mm	W, mm	H, mm	D, mm	h, mm
662	96	111	350	100
	146			
1272	96		700	
	146			
1572	96		940	
	146			

# Light distribution curve (.jpg)



Note:

Tolerance range for optical and electrical data:  $\pm 10\%$ . 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

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