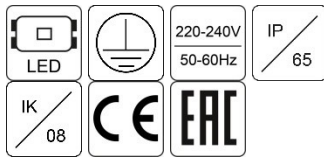


# BOREAS M LED

## Floodlights



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



**Description:** Surface mounted LED floodlight  
Light distribution type: direct  
Optical system: lenses, tempered glass diffuser, impact resistant  
Housing: aluminium  
Colour: dark grey (RAL 7043)

**General data:** Mains voltage: 220-240V, 50/60Hz  
LED lifetime, h: 100000/L90B10  
SDCM: 3  
Protection class IEC: I  
Ingress protection code: IP65  
Mechanical impact resistance: IK08  
Operating temperature range, °C: ta -25...+40

**Installation:** On horizontal or vertical surface. Push-in terminal, 3x2x2.5mm<sup>2</sup>

**Environment:** Outdoor

**Application:** Industry, sports, facade illumination, parking area, park, public space, street



Waterproof cable in-line connector is recommended to use when installing our LED high-bays and floodlights. Push-in terminal 3x1.5mm<sup>2</sup>, 400V/16A. IP66/IP68- dust and waterproof. For more information see the accessory list.

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI	CCT*, K	Weight, kg
Boreas MS LED1x4400 D349 T740 LS12	338	280	60	4319	34,4	125	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LS12	338	280	60	6036	52,9	114	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LS12	444	353	66	8712	68,9	126	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LS12	444	353	66	12072	105,8	114	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LS12	515	420	87	15090	132,2	114	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LS12	515	420	87	18108	158,7	114	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LS12	515	420	87	24144	211,6	114	70+	4000	7,60
Boreas MS LED1x4400 D349 T740 LS30	338	280	60	4170	34,4	121	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LS30	338	280	60	5828	52,9	110	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LS30	444	353	66	8412	68,9	122	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LS30	444	353	66	11656	105,8	110	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LS30	515	420	87	14570	132,2	110	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LS30	515	420	87	17484	158,7	110	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LS30	515	420	87	23312	211,6	110	70+	4000	7,60

**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
Boreas MS LED1x4400 D349 T740 LS45	338	280	60	4120	34,4	120	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LS45	338	280	60	5759	52,9	109	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LS45	444	353	66	8312	68,9	121	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LS45	444	353	66	11517	105,8	109	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LS45	515	420	87	14396	132,2	109	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LS45	515	420	87	17276	158,7	109	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LS45	515	420	87	23034	211,6	109	70+	4000	7,60
Boreas MS LED1x4400 D349 T740 LS60	338	280	60	4170	34,4	121	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LS60	338	280	60	5828	52,9	110	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LS60	444	353	66	8412	68,9	122	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LS60	444	353	66	11656	105,8	110	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LS60	515	420	87	14570	132,2	110	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LS60	515	420	87	17484	158,7	110	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LS60	515	420	87	23312	211,6	110	70+	4000	7,60
Boreas MS LED1x4400 D349 T730 LS90	338	280	60	4103	34,4	119	70+	3000	2,80
Boreas MS LED1x6100 D350 T730 LS90	338	280	60	5734	52,9	108	70+	3000	2,80
Boreas MM LED1x8800 D351 T730 LS90	444	353	66	8277	68,9	120	70+	3000	5,00
Boreas MM LED1x12100 D352 T730 LS90	444	353	66	11469	105,8	108	70+	3000	5,00
Boreas MB LED1x15100 D353 T730 LS90	515	420	87	14336	132,2	108	70+	3000	7,60
Boreas MB LED1x18200 D354 T730 LS90	515	420	87	17203	158,7	108	70+	3000	7,60
Boreas MB LED1x24200 D355 T730 LS90	515	420	87	22937	211,6	108	70+	3000	7,60
Boreas MS LED1x4400 D349 T740 LS90	338	280	60	4319	34,4	125	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LS90	338	280	60	6036	52,9	114	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LS90	444	353	66	8712	68,9	126	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LS90	444	353	66	12072	105,8	114	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LS90	515	420	87	15090	132,2	114	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LS90	515	420	87	18108	158,7	114	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LS90	515	420	87	24144	211,6	114	70+	4000	7,60
Boreas MS LED1x4400 D349 T730 LSA1	338	280	60	4103	34,4	119	70+	3000	2,80
Boreas MS LED1x6100 D350 T730 LSA1	338	280	60	5734	52,9	108	70+	3000	2,80
Boreas MM LED1x8800 D351 T730 LSA1	444	353	66	8277	68,9	120	70+	3000	5,00
Boreas MM LED1x12100 D352 T730 LSA1	444	353	66	11469	105,8	108	70+	3000	5,00
Boreas MB LED1x15100 D353 T730 LSA1	515	420	87	14336	132,2	108	70+	3000	7,60
Boreas MB LED1x18200 D354 T730 LSA1	515	420	87	17203	158,7	108	70+	3000	7,60
Boreas MB LED1x24200 D355 T730 LSA1	515	420	87	22937	211,6	108	70+	3000	7,60
Boreas MS LED1x4400 D349 T740 LSA1	338	280	60	4319	34,4	125	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LSA1	338	280	60	6036	52,9	114	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LSA1	444	353	66	8712	68,9	126	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LSA1	444	353	66	12072	105,8	114	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LSA1	515	420	87	15090	132,2	114	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LSA1	515	420	87	18108	158,7	114	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LSA1	515	420	87	24144	211,6	114	70+	4000	7,60
Boreas MS LED1x4400 D349 T730 LSA2	338	280	60	4103	34,4	119	70+	3000	2,80
Boreas MS LED1x6100 D350 T730 LSA2	338	280	60	5734	52,9	108	70+	3000	2,80
Boreas MM LED1x8800 D351 T730 LSA2	444	353	66	8277	68,9	120	70+	3000	5,00
Boreas MM LED1x12100 D352 T730 LSA2	444	353	66	11469	105,8	108	70+	3000	5,00
Boreas MB LED1x15100 D353 T730 LSA2	515	420	87	14336	132,2	108	70+	3000	7,60
Boreas MB LED1x18200 D354 T730 LSA2	515	420	87	17203	158,7	108	70+	3000	7,60
Boreas MB LED1x24200 D355 T730 LSA2	515	420	87	22937	211,6	108	70+	3000	7,60
Boreas MS LED1x4400 D349 T740 LSA2	338	280	60	4319	34,4	125	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LSA2	338	280	60	6036	52,9	114	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LSA2	444	353	66	8712	68,9	126	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LSA2	444	353	66	12072	105,8	114	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LSA2	515	420	87	15090	132,2	114	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LSA2	515	420	87	18108	158,7	114	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LSA2	515	420	87	24144	211,6	114	70+	4000	7,60
Boreas MS LED1x4400 D349 T730 LSM1	338	280	60	4056	34,4	118	70+	3000	2,80
Boreas MS LED1x6100 D350 T730 LSM1	338	280	60	5668	52,9	107	70+	3000	2,80
Boreas MM LED1x8800 D351 T730 LSM1	444	353	66	8181	68,9	119	70+	3000	5,00
Boreas MM LED1x12100 D352 T730 LSM1	444	353	66	11337	105,8	107	70+	3000	5,00
Boreas MB LED1x15100 D353 T730 LSM1	515	420	87	14171	132,2	107	70+	3000	7,60
Boreas MB LED1x18200 D354 T730 LSM1	515	420	87	17005	158,7	107	70+	3000	7,60
Boreas MB LED1x24200 D355 T730 LSM1	515	420	87	22673	211,6	107	70+	3000	7,60
Boreas MS LED1x4400 D349 T740 LSM1	338	280	60	4269	34,4	124	70+	4000	2,80
Boreas MS LED1x6100 D350 T740 LSM1	338	280	60	5967	52,9	113	70+	4000	2,80
Boreas MM LED1x8800 D351 T740 LSM1	444	353	66	8612	68,9	125	70+	4000	5,00
Boreas MM LED1x12100 D352 T740 LSM1	444	353	66	11933	105,8	113	70+	4000	5,00
Boreas MB LED1x15100 D353 T740 LSM1	515	420	87	14917	132,2	113	70+	4000	7,60
Boreas MB LED1x18200 D354 T740 LSM1	515	420	87	17900	158,7	113	70+	4000	7,60
Boreas MB LED1x24200 D355 T740 LSM1	515	420	87	23867	211,6	113	70+	4000	7,60

\*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

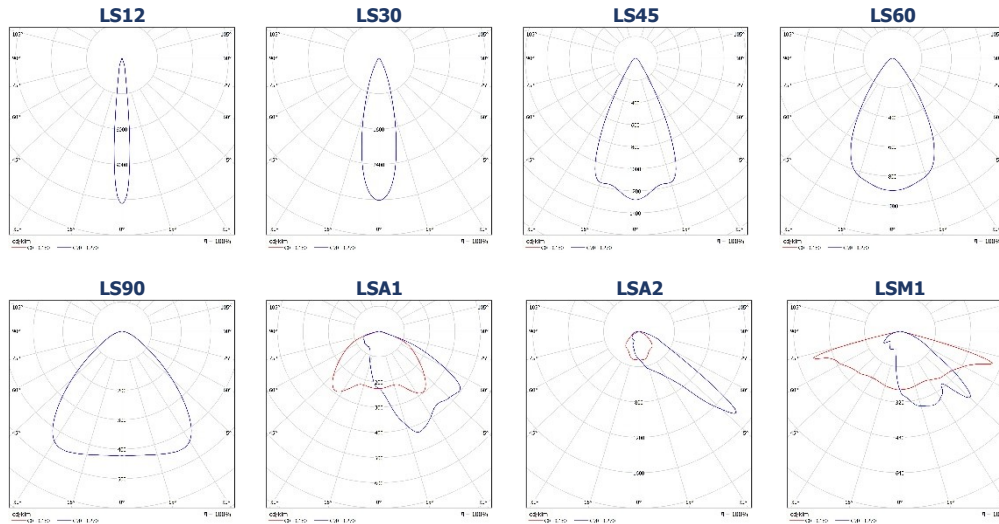
**TECHNICAL DATA SHEET**

**Available options:**

DALI Driver with DALI interface and switch-control dimming  
 ADIM Driver with autonomous two-level dimming  
*\*note - for power above 160W use two DALI, ADIM option price*  
 LS12 Optics with 12x12° beam angle  
 LS30 Optics with 30x30° beam angle  
 LS45 Optics with 45x45° beam angle  
 LS60 Optics with 60x60° beam angle  
 LS90 Optics with 90x90° beam angle

LSA1  
 LSA2  
 LSM1  
 RAL  
 T730  
 T740  
 T750

Optics with asymmetric beam LSA1  
 Optics with asymmetric beam LSA2  
 Optics with asymmetric beam LSM1  
 RAL colour  
 Colour temperature 3000K, CRI 70+  
 Colour temperature 4000K, CRI 70+  
 Colour temperature 5000K, CRI 70+



**Available accessories:**



Product: Power supply connector - IP66/IP68, 3x1.5mm<sup>2</sup>  
 Description: Quick and easy to connect power supply and luminaire cable connector - IP66/IP68, 3x1.5mm<sup>2</sup>, 400V/16A, 1pcs



Product: Power supply plug - IP66/IP68, 5x1.5mm<sup>2</sup>  
 Description: Quick and easy to connect power supply cable plug - IP66/IP68, 5x1.5mm<sup>2</sup>, 400V/16A, 1pcs



Product: Power supply socket - IP66/IP68, 5x1.5mm<sup>2</sup>  
 Description: Quick and easy to connect power supply cable socket - IP66/IP68, 5x1.5mm<sup>2</sup>, 400V/16A, 1pcs

**Applications:**



