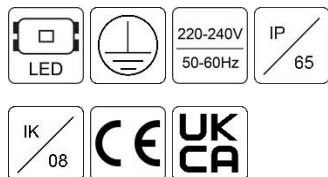


# BOREAS M LED

## 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, 0/50-60Hz  
LED lifetime, h: 100000/L90B10  
SDCM: 5  
Protection class IEC: I  
Ingress protection code: IP65  
Mechanical impact resistance: IK08  
Operating temperature range, °C: ta -40...+40 (J444, J445, J456 ta -25...+40/ J451 ta -40...+35)

**Installation:**

On horizontal or vertical surface. Push-in terminal, 3x2x2.5mm2

**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 3x1.5mm2, 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 M LED1x4800 J444 T730 LS20	291	230	58	4694	28,4	165	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LS20	291	230	58	8149	50,5	161	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LS20	291	230	58	10067	64,9	155	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LS20	338	280	59	10866	67,3	161	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LS20	338	280	59	13423	87,5	153	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LS20	381	312	62	16298	99,8	163	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LS20	381	312	62	20134	129,8	155	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LS20	381	312	62	22890	152,9	150	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LS20	444	353	66	20373	124,8	163	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LS20	444	353	66	25168	162,3	155	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LS20	515	420	87	32597	197,6	165	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LS20	291	230	58	4826	28,4	170	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LS20	291	230	58	8368	50,5	166	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LS20	291	230	58	10334	64,9	159	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LS20	338	280	59	11157	67,3	166	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LS20	338	280	59	13779	87,5	157	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LS20	381	312	62	16736	99,8	168	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LS20	381	312	62	20669	129,8	159	70+	4000	3,6

**TECHNICAL DATA SHEET**

Boreas M LED1x23300 J451 T740 LS20	381	312	62	23509	152,9	154	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LS20	444	353	66	20920	124,8	168	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LS20	444	353	66	25836	162,3	159	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LS20	515	420	87	33472	197,6	169	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LS20	565	460	100	39191	235,4	166	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LS20	565	460	100	43590	270,1	161	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LS20	565	460	100	51232	321,6	159	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LS30	291	230	58	4644	28,4	164	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LS30	291	230	58	8062	50,5	160	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LS30	291	230	58	9960	64,9	153	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LS30	338	280	59	10750	67,3	160	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LS30	338	280	59	13280	87,5	152	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LS30	381	312	62	16125	99,8	162	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LS30	381	312	62	19920	129,8	153	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LS30	381	312	62	22647	152,9	148	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LS30	444	353	66	20156	124,8	162	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LS30	444	353	66	24900	162,3	153	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LS30	515	420	87	32250	197,6	163	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LS30	291	230	58	4774	28,4	168	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LS30	291	230	58	8279	50,5	164	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LS30	291	230	58	10224	64,9	158	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LS30	338	280	59	11039	67,3	164	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LS30	338	280	59	13633	87,5	156	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LS30	381	312	62	16558	99,8	166	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LS30	381	312	62	20449	129,8	158	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LS30	381	312	62	23259	152,9	152	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LS30	444	353	66	20698	124,8	166	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LS30	444	353	66	25561	162,3	157	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LS30	515	420	87	33116	197,6	168	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LS30	565	460	100	38774	235,4	165	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LS30	565	460	100	43126	270,1	160	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LS30	565	460	100	50687	321,6	158	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LS45	291	230	58	4744	28,4	167	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LS45	291	230	58	8236	50,5	163	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LS45	291	230	58	10174	64,9	157	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LS45	338	280	59	10981	67,3	163	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LS45	338	280	59	13566	87,5	155	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LS45	381	312	62	16472	99,8	165	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LS45	381	312	62	20349	129,8	157	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LS45	381	312	62	23134	152,9	151	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LS45	444	353	66	20590	124,8	165	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LS45	444	353	66	25436	162,3	157	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LS45	515	420	87	32944	197,6	167	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LS45	291	230	58	4877	28,4	172	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LS45	291	230	58	8457	50,5	167	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LS45	291	230	58	10444	64,9	161	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LS45	338	280	59	11276	67,3	168	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LS45	338	280	59	13926	87,5	159	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LS45	381	312	62	16914	99,8	169	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LS45	381	312	62	20889	129,8	161	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LS45	381	312	62	23760	152,9	155	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LS45	444	353	66	21143	124,8	169	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LS45	444	353	66	26111	162,3	161	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LS45	515	420	87	33828	197,6	171	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LS45	565	460	100	39608	235,4	168	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LS45	565	460	100	44054	270,1	163	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LS45	565	460	100	51777	321,6	161	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LS60	291	230	58	4594	28,4	162	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LS60	291	230	58	7976	50,5	158	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LS60	291	230	58	9853	64,9	152	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LS60	338	280	59	10634	67,3	158	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LS60	338	280	59	13137	87,5	150	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LS60	381	312	62	15952	99,8	160	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LS60	381	312	62	19706	129,8	152	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LS60	381	312	62	22403	152,9	147	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LS60	444	353	66	19940	124,8	160	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LS60	444	353	66	24632	162,3	152	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LS60	515	420	87	31903	197,6	161	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LS60	291	230	58	4723	28,4	166	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LS60	291	230	58	8190	50,5	162	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LS60	291	230	58	10114	64,9	156	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LS60	338	280	59	10920	67,3	162	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LS60	338	280	59	13486	87,5	154	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LS60	381	312	62	16380	99,8	164	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LS60	381	312	62	20229	129,8	156	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LS60	381	312	62	23009	152,9	150	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LS60	444	353	66	20475	124,8	164	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LS60	444	353	66	25286	162,3	156	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LS60	515	420	87	32760	197,6	166	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LS60	565	460	100	38357	235,4	163	70+	4000	10,5

**TECHNICAL DATA SHEET**

Boreas M LED1x43150 G983 T740 LS60	565	460	100	42663	270,1	158	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LS60	565	460	100	50142	321,6	156	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LS90	291	230	58	4644	28,4	164	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LS90	291	230	58	8062	50,5	160	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LS90	291	230	58	9960	64,9	153	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LS90	338	280	59	10750	67,3	160	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LS90	338	280	59	13280	87,5	152	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LS90	381	312	62	16125	99,8	162	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LS90	381	312	62	19920	129,8	153	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LS90	381	312	62	22647	152,9	148	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LS90	444	353	66	20156	124,8	162	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LS90	444	353	66	24900	162,3	153	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LS90	515	420	87	32250	197,6	163	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LS90	291	230	58	4774	28,4	168	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LS90	291	230	58	8279	50,5	164	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LS90	291	230	58	10224	64,9	158	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LS90	338	280	59	11039	67,3	164	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LS90	338	280	59	13633	87,5	156	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LS90	381	312	62	16558	99,8	166	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LS90	381	312	62	20449	129,8	158	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LS90	381	312	62	23259	152,9	152	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LS90	444	353	66	20698	124,8	166	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LS90	444	353	66	25561	162,3	157	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LS90	515	420	87	33116	197,6	168	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LS90	565	460	100	38774	235,4	165	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LS90	565	460	100	43126	270,1	160	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LS90	565	460	100	50687	321,6	158	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LSA1	291	230	58	4395	28,4	155	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LSA1	291	230	58	7629	50,5	151	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LSA1	291	230	58	9425	64,9	145	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LSA1	338	280	59	10172	67,3	151	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LSA1	338	280	59	12566	87,5	144	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LSA1	381	312	62	15258	99,8	153	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LSA1	381	312	62	18849	129,8	145	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LSA1	381	312	62	21429	152,9	140	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LSA1	444	353	66	19073	124,8	153	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LSA1	444	353	66	23561	162,3	145	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LSA1	515	420	87	30516	197,6	154	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LSA1	291	230	58	4518	28,4	159	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LSA1	291	230	58	7834	50,5	155	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LSA1	291	230	58	9675	64,9	149	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LSA1	338	280	59	10445	67,3	155	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LSA1	338	280	59	12900	87,5	147	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LSA1	381	312	62	15668	99,8	157	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LSA1	381	312	62	19349	129,8	149	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LSA1	381	312	62	22009	152,9	144	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LSA1	444	353	66	19585	124,8	157	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LSA1	444	353	66	24187	162,3	149	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LSA1	515	420	87	31336	197,6	159	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LSA1	565	460	100	36689	235,4	156	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LSA1	565	460	100	40808	270,1	151	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LSA1	565	460	100	47962	321,6	149	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LSA2	291	230	58	4594	28,4	162	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LSA2	291	230	58	7976	50,5	158	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LSA2	291	230	58	9853	64,9	152	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LSA2	338	280	59	10634	67,3	158	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LSA2	338	280	59	13137	87,5	150	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LSA2	381	312	62	15952	99,8	160	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LSA2	381	312	62	19706	129,8	152	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LSA2	381	312	62	22403	152,9	147	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LSA2	444	353	66	19940	124,8	160	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LSA2	444	353	66	24632	162,3	152	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LSA2	515	420	87	31903	197,6	161	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LSA2	291	230	58	4723	28,4	166	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LSA2	291	230	58	8190	50,5	162	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LSA2	291	230	58	10114	64,9	156	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LSA2	338	280	59	10920	67,3	162	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LSA2	338	280	59	13486	87,5	154	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LSA2	381	312	62	16380	99,8	164	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LSA2	381	312	62	20229	129,8	156	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LSA2	381	312	62	23009	152,9	150	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LSA2	444	353	66	20475	124,8	164	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LSA2	444	353	66	25286	162,3	156	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LSA2	515	420	87	32760	197,6	166	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LSA2	565	460	100	38357	235,4	163	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LSA2	565	460	100	42663	270,1	158	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LSA2	565	460	100	50142	321,6	156	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LSM1	291	230	58	4395	28,4	155	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LSM1	291	230	58	7629	50,5	151	70+	3000	1,9

**TECHNICAL DATA SHEET**

Boreas M LED1x10250 J446 T730 LSM1	291	230	58	9425	64,9	145	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LSM1	338	280	59	10172	67,3	151	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LSM1	338	280	59	12566	87,5	144	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LSM1	381	312	62	15258	99,8	153	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LSM1	381	312	62	18849	129,8	145	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LSM1	381	312	62	21429	152,9	140	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LSM1	444	353	66	19073	124,8	153	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LSM1	444	353	66	23561	162,3	145	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LSM1	515	420	87	30516	197,6	154	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LSM1	291	230	58	4518	28,4	159	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LSM1	291	230	58	7834	50,5	155	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LSM1	291	230	58	9675	64,9	149	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LSM1	338	280	59	10445	67,3	155	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LSM1	338	280	59	12900	87,5	147	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LSM1	381	312	62	15668	99,8	157	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LSM1	381	312	62	19349	129,8	149	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LSM1	381	312	62	22009	152,9	144	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LSM1	444	353	66	19585	124,8	157	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LSM1	444	353	66	24187	162,3	149	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LSM1	515	420	87	31336	197,6	159	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LSM1	565	460	100	36689	235,4	156	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LSM1	565	460	100	40808	270,1	151	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LSM1	565	460	100	47962	321,6	149	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LSM2	291	230	58	4494	28,4	158	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LSM2	291	230	58	7802	50,5	154	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LSM2	291	230	58	9639	64,9	149	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LSM2	338	280	59	10403	67,3	155	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LSM2	338	280	59	12852	87,5	147	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LSM2	381	312	62	15605	99,8	156	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LSM2	381	312	62	19278	129,8	149	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LSM2	381	312	62	21916	152,9	143	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LSM2	444	353	66	19506	124,8	156	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LSM2	444	353	66	24097	162,3	148	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LSM2	515	420	87	31210	197,6	158	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LSM2	291	230	58	4620	28,4	163	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LSM2	291	230	58	8012	50,5	159	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LSM2	291	230	58	9895	64,9	152	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LSM2	338	280	59	10683	67,3	159	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LSM2	338	280	59	13193	87,5	151	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LSM2	381	312	62	16024	99,8	161	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LSM2	381	312	62	19789	129,8	152	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LSM2	381	312	62	22509	152,9	147	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LSM2	444	353	66	20030	124,8	160	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LSM2	444	353	66	24736	162,3	152	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LSM2	515	420	87	32048	197,6	162	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LSM2	565	460	100	37523	235,4	159	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LSM2	565	460	100	41735	270,1	155	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LSM2	565	460	100	49052	321,6	153	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LSS1	291	230	58	4395	28,4	155	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LSS1	291	230	58	7629	50,5	151	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LSS1	291	230	58	9425	64,9	145	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LSS1	338	280	59	10172	67,3	151	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LSS1	338	280	59	12566	87,5	144	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LSS1	381	312	62	15258	99,8	153	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LSS1	381	312	62	18849	129,8	145	70+	3000	3,6
Boreas M LED1x23300 J451 T730 LSS1	381	312	62	21429	152,9	140	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LSS1	444	353	66	19073	124,8	153	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LSS1	444	353	66	23561	162,3	145	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LSS1	515	420	87	30516	197,6	154	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LSS1	291	230	58	4518	28,4	159	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LSS1	291	230	58	7834	50,5	155	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LSS1	291	230	58	9675	64,9	149	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LSS1	338	280	59	10445	67,3	155	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LSS1	338	280	59	12900	87,5	147	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LSS1	381	312	62	15668	99,8	157	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LSS1	381	312	62	19349	129,8	149	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LSS1	381	312	62	22009	152,9	144	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LSS1	444	353	66	19585	124,8	157	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LSS1	444	353	66	24187	162,3	149	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LSS1	515	420	87	31336	197,6	159	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LSS1	565	460	100	36689	235,4	156	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LSS1	565	460	100	40808	270,1	151	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LSS1	565	460	100	47962	321,6	149	70+	4000	10,5
Boreas M LED1x4800 J444 T730 LSS2	291	230	58	4445	28,4	157	70+	3000	1,9
Boreas M LED1x8300 J445 T730 LSS2	291	230	58	7716	50,5	153	70+	3000	1,9
Boreas M LED1x10250 J446 T730 LSS2	291	230	58	9532	64,9	147	70+	3000	1,9
Boreas M LED1x11050 J447 T730 LSS2	338	280	59	10288	67,3	153	70+	3000	2,8
Boreas M LED1x13650 J448 T730 LSS2	338	280	59	12709	87,5	145	70+	3000	2,8
Boreas M LED1x16600 J449 T730 LSS2	381	312	62	15431	99,8	155	70+	3000	3,6
Boreas M LED1x20450 J450 T730 LSS2	381	312	62	19063	129,8	147	70+	3000	3,6

**TECHNICAL DATA SHEET**

Boreas M LED1x23300 J451 T730 LSS2	381	312	62	21672	152,9	142	70+	3000	3,6
Boreas M LED1x20700 J452 T730 LSS2	444	353	66	19289	124,8	155	70+	3000	5,0
Boreas M LED1x25600 J453 T730 LSS2	444	353	66	23829	162,3	147	70+	3000	5,0
Boreas M LED1x33150 J454 T730 LSS2	515	420	87	30863	197,6	156	70+	3000	7,6
Boreas M LED1x4800 J444 T740 LSS2	291	230	58	4569	28,4	161	70+	4000	1,9
Boreas M LED1x8300 J445 T740 LSS2	291	230	58	7923	50,5	157	70+	4000	1,9
Boreas M LED1x10250 J446 T740 LSS2	291	230	58	9785	64,9	151	70+	4000	1,9
Boreas M LED1x11050 J447 T740 LSS2	338	280	59	10564	67,3	157	70+	4000	2,8
Boreas M LED1x13650 J448 T740 LSS2	338	280	59	13046	87,5	149	70+	4000	2,8
Boreas M LED1x16600 J449 T740 LSS2	381	312	62	15846	99,8	159	70+	4000	3,6
Boreas M LED1x20450 J450 T740 LSS2	381	312	62	19569	129,8	151	70+	4000	3,6
Boreas M LED1x23300 J451 T740 LSS2	381	312	62	22259	152,9	146	70+	4000	3,6
Boreas M LED1x20700 J452 T740 LSS2	444	353	66	19807	124,8	159	70+	4000	5,0
Boreas M LED1x25600 J453 T740 LSS2	444	353	66	24462	162,3	151	70+	4000	5,0
Boreas M LED1x33150 J454 T740 LSS2	515	420	87	31692	197,6	160	70+	4000	7,6
Boreas M LED1x38800 G982 T740 LSS2	565	460	100	37106	235,4	158	70+	4000	10,5
Boreas M LED1x43150 G983 T740 LSS2	565	460	100	41271	270,1	153	70+	4000	10,5
Boreas M LED1x50700 G984 T740 LSS2	565	460	100	48507	321,6	151	70+	4000	10,5

\*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

**Available options:**

T730 Colour temperature 3000K, CRI 70+  
T740 Colour temperature 4000K, CRI 70+  
T750 Colour temperature 5000K, CRI 70+

\*note - for models: G982...G984 only T740 option is available

LS20 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 Optics with asymmetric beam SA1  
LSA2 Optics with asymmetric beam SA2  
LSM1 Optics with asymmetric beam SM1

LSM2 Optics with asymmetric beam SM2  
LSS1 Optics with asymmetric beam SS1  
LSS2 Optics with asymmetric beam SS2  
DALI Driver with DALI interface and switch-control dimming  
\*note - for models: G982...G984 DALI option is not applicable  
ADIM Driver with autonomous two-level dimming  
RAL RAL colour

\*note - price for uncommon RAL colour or quantity less than MOQ could be different from indicated. Ask before placing an order

**Available accessories:**



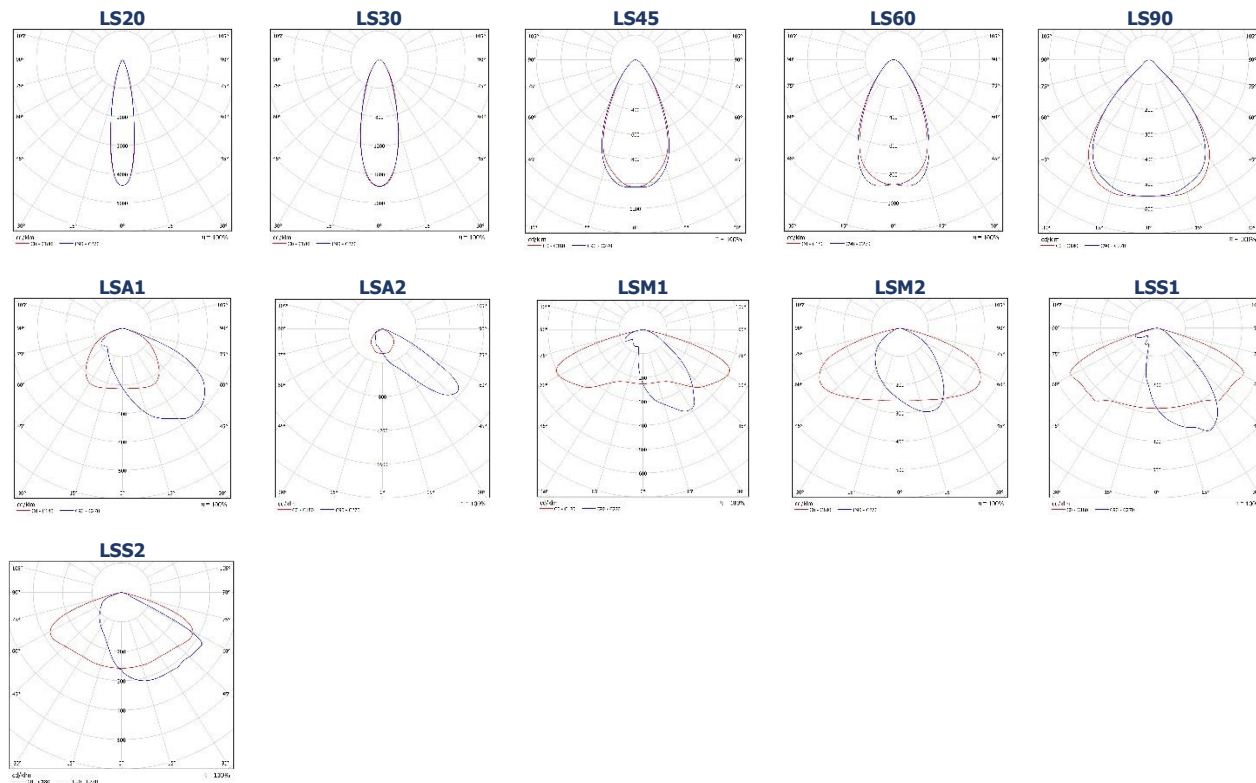
Product: Power supply connector - IP66/IP68, 3x1.5mm2  
Description: Quick and easy to connect power supply and luminaire cables connector - IP66/IP68, 3x1.5mm2, 400V/16A, 1pcs



Product: Power supply plug - IP66/IP68, 5x1.5mm2  
Description: Quick and easy to connect power supply cable plug - IP66/IP68, 5x1.5mm2, 400V/16A, 1pcs



Product: Power supply socket - IP66/IP68, 5x1.5mm2  
Description: Quick and easy to connect power supply cable socket - IP66/IP68, 5x1.5mm2, 400V/16A, 1pcs



**Applications:**

