STARK

HousingAluminium injection with electrostatic powder coating and air valve (ventile), monoblok silikon gasket

OpticsSpecial design, clear, acrylic (PMMA) optic lens

Glass4mm clear tempered glass

LEDHigh-power LED with high efficacy

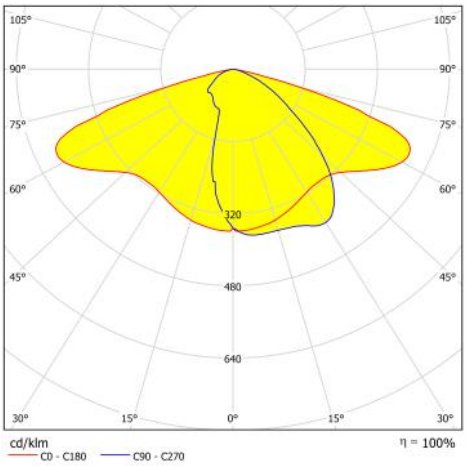
DriverConstant current driver with high efficiency

Ambient Temperature
-40 °C/+50 °C

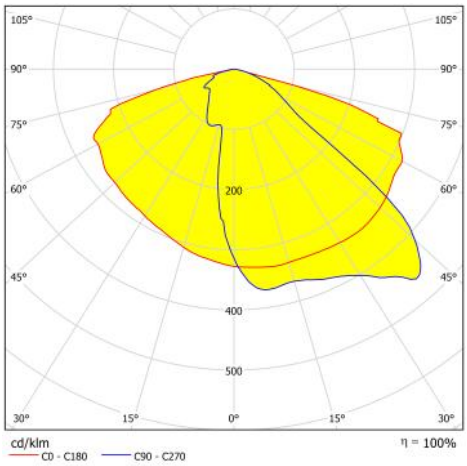
Impact Resistance
Glass : IK08
Body : IK10

ARL-G90 Ral 9005

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)
BSTA. 550.105.40.L1	105	4000	15970	>70	220 - 240 / 50 - 60	8,5
BSTA. 550.105.40.L2	105	4000	15980	>70	220 - 240 / 50 - 60	8,5
BSTA. 550.105.40.L3	105	4000	16010	>70	220 - 240 / 50 - 60	8,5
BSTA. 550.105.40.L4	105	4000	15960	>70	220 - 240 / 50 - 60	8,5
BSTA. 550.140.40.L1	140	4000	19730	>70	220 - 240 / 50 - 60	9
BSTA. 550.140.40.L2	140	4000	19560	>70	220 - 240 / 50 - 60	9
BSTA. 550.140.40.L3	140	4000	19750	>70	220 - 240 / 50 - 60	9
BSTA. 550.140.40.L4	140	4000	19440	>70	220 - 240 / 50 - 60	9



BSTA.550.140.40.L1



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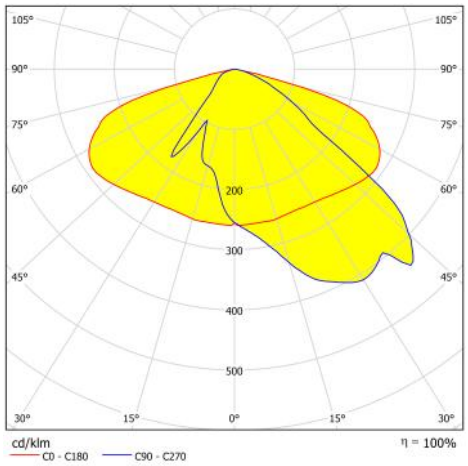
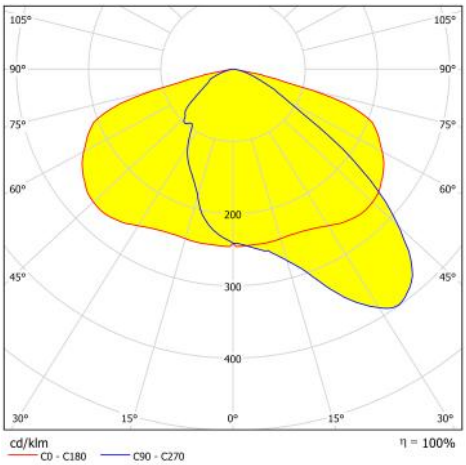
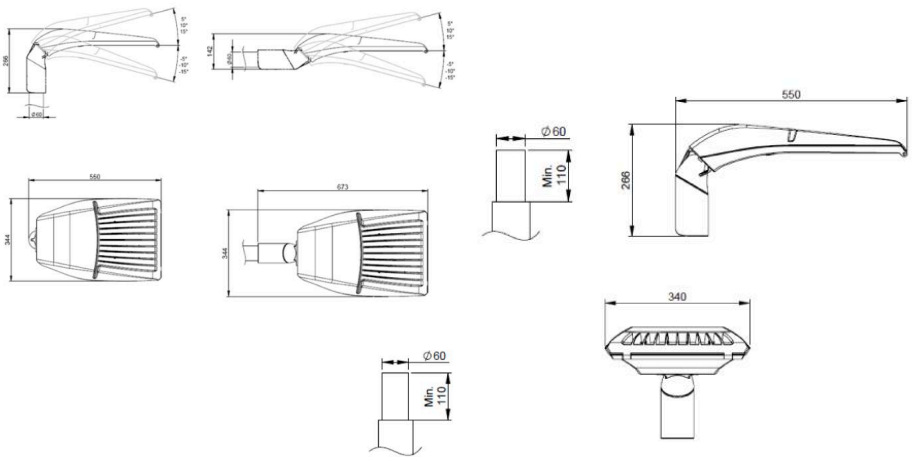


BSTA.550.140.40.L3



BSTA.550.140.40.L4



B 3003 BOW

Housing
Aluminum body with electrostatic powder coating.

PoleØ76mm galvanized, anti-corrosion polyester powder painted steel pole

GlassTempered, frosted glass.

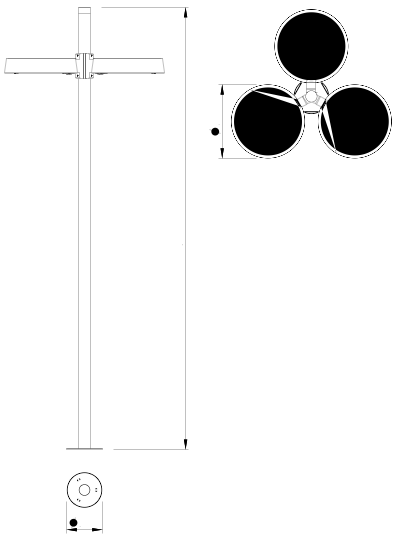
LedHigh-efficacy LED MODULE with CRI>80, achieving L90B50 ≥ 50,000 hours of lifetime.

DriverConstant current output LED driver with high efficiency and Pf≥0.95.

Ambient Temperature
-20 °C/+40 °C

Ral 9016 Ral 9005 Ral 9006 ARL-G90

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)
BBOW.3003.87.30	87	3000	9060	>80	220 - 240 / 50 - 60	35
BBOW.3003.87.40	87	4000	9300	>80	220 - 240 / 50 - 60	35
BBOW.3003.138.30	138	3000	15240	>80	220 - 240 / 50 - 60	35
BBOW.3003.138.40	138	4000	15560	>80	220 - 240 / 50 - 60	35



B 3001 BOW

Housing
Aluminum body with electrostatic powder coating.

PoleØ76mm galvanized, anti-corrosion polyester powder painted steel pole

GlassTempered, frosted glass.

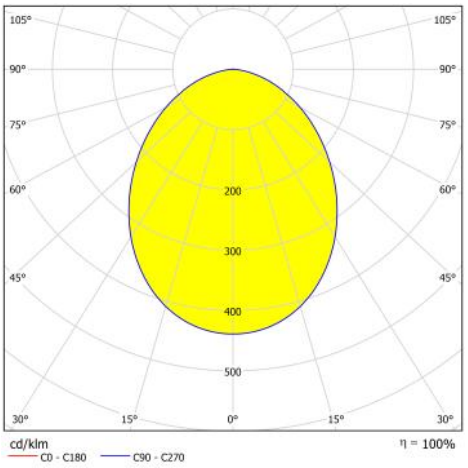
LedHigh-efficacy LED MODULE with CRI>80, achieving L90B50 ≥ 50,000 hours of lifetime.

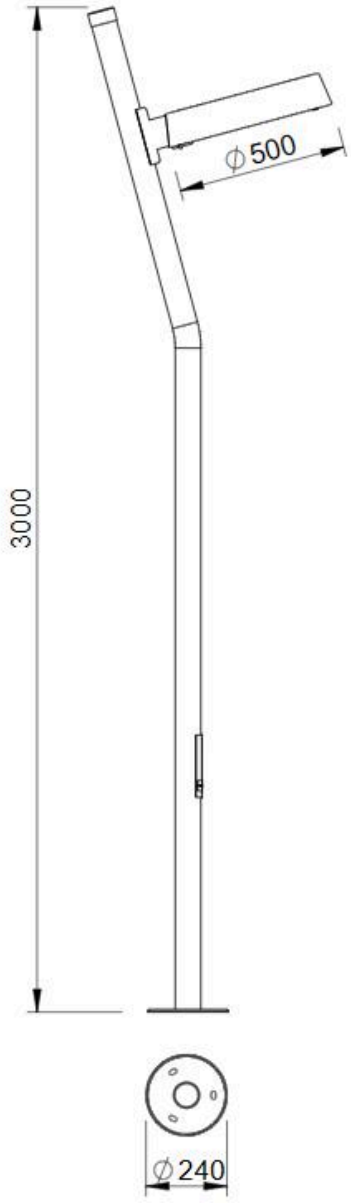
DriverConstant current output LED driver with high efficiency and Pf≥0.95.

Ambient Temperature
-20 °C/+40 °C

Ral 9016 Ral 9005 Ral 9006 ARL-G90

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)
BBOW.3001.29.30	29	3000	3020	>80	220 - 240 / 50 - 60	2,5
BBOW.3001.29.40	29	4000	3100	>80	220 - 240 / 50 - 60	2,5
BBOW.3001.46.30	46	3000	5080	>80	220 - 240 / 50 - 60	2,5
BBOW.3001.46.40	46	4000	5220	>80	220 - 240 / 50 - 60	2,5




ϕ500
3000
ϕ240

B 0450 SLS

Solis series is designed as a strong product family with it's aesthetic look, slim body structure and stylish form. SOLIS-Large which is the member of this product family has a wide optical lens option to be used in many different areas. For fast assembly, it provides external mounting parts to provide precise installation at 5° angles. There are three different lumen alternatives that can be used in different architectural applications. In order to meet special demands, Solis Large can be produce at intermediate levels as well. With external IP68 connector, easy and safe connection can be done without interfering with the product.

Product

Type	B 0450 SLS
Category	Floodlight
Color	Black (RAL 9005)

Technical Data

Light source	High Power LED
Power	152W - 250W
Color temperature	4000K (optional 3000K, 6500K)
Color rendering index	CRI>70 (optional >80)
Beam angle	15°, 25°, 70°, 100°, 20°+115°, ASM-L4, ASM-L8
Luminare class	Sınıf 1
Voltage	220V/240V
Frequency	50/60 Hz
Dimming	Optional (DALI)
Surge protection	Min. 6kV com. mode (L-N-GND)
Luminous flux tolerance	±7%
Power consumption tolerance	±7%
LED life	L90B50 > 130.000 h

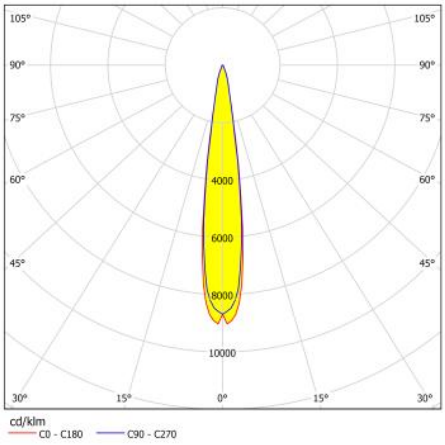
Other Information

Ingress protection	IP66
Impaction protection	IK08
Weight	11 kg
Dimensions (G x Y x U)	400mm x 450mm x 134mm
Optical cover	Tempered glass
Cable	30 cm with cable connector
Housing Material	Aluminum die cast
Optic material	PMMA
Ambient temperature range	-40...+40 °C (250W) -40...+45 °C (215W) -40...+50 °C (152W)
Performance ambient temp.	25 °C

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Beam Angle	lm/W
BSLS. 0450.245.40.15	245	4000	33830	70	220 - 240 / 50 - 60	15°	138
BSLS. 0450.245.40.25	245	4000	33500	70	220 - 240 / 50 - 60	25°	136
BSLS. 0450.245.40.70	245	4000	32900	70	220 - 240 / 50 - 60	70°	134
BSLS. 0450.245.40.100	245	4000	32220	70	220 - 240 / 50 - 60	100°	132
BSLS. 0450.245.40.20115	245	4000	32420	70	220 - 240 / 50 - 60	20°+115°	133
BSLS. 0450.245.40.ASL4	245	4000	32580	70	220 - 240 / 50 - 60	ASM-L4	133
BSLS. 0450.245.40.ASL8	245	4000	30100	70	220 - 240 / 50 - 60	ASM-L8	123
BSLS. 0450.210.40.15	210	4000	30560	70	220 - 240 / 50 - 60	15°	145
BSLS. 0450.210.40.25	210	4000	29890	70	220 - 240 / 50 - 60	25°	142
BSLS. 0450.210.40.70	215	4000	27470	70	220 - 240 / 50 - 60	70°	131
BSLS. 0450.210.40.100	210	4000	28950	70	220 - 240 / 50 - 60	100°	138
BSLS. 0450.210.40.20115	210	4000	29010	70	220 - 240 / 50 - 60	20°+115°	138
BSLS. 0450.210.40.ASL4	210	4000	29300	70	220 - 240 / 50 - 60	ASM-L4	140
BSLS. 0450.210.40.ASL8	210	4000	29600	70	220 - 240 / 50 - 60	ASM-L8	141
BSLS. 0450.152.40.15	152	4000	24950	70	220 - 240 / 50 - 60	15°	163
BSLS. 0450.152.40.25	152	4000	25300	70	220 - 240 / 50 - 60	25°	166
BSLS. 0450.152.40.70	152	4000	24300	70	220 - 240 / 50 - 60	70°	159
BSLS. 0450.152.40.100	152	4000	24360	70	220 - 240 / 50 - 60	100°	160
BSLS. 0450.152.40.20115	152	4000	23850	70	220 - 240 / 50 - 60	20°+115°	152
BSLS. 0450.152.40.ASL4	152	4000	24850	70	220 - 240 / 50 - 60	ASM-L4	163
BSLS. 0450.152.40.ASL8	152	4000	25250	70	220 - 240 / 50 - 60	ASM-L8	166
BSLS.S. 0450.250.57.15	250	5700	31940	80	220 - 240 / 50 - 60	15°	127
BSLS.S. 0450.250.57.25	250	5700	31440	80	220 - 240 / 50 - 60	25°	125
BSLS.S. 0450.250.57.70	250	5700	30900	80	220 - 240 / 50 - 60	70°	123

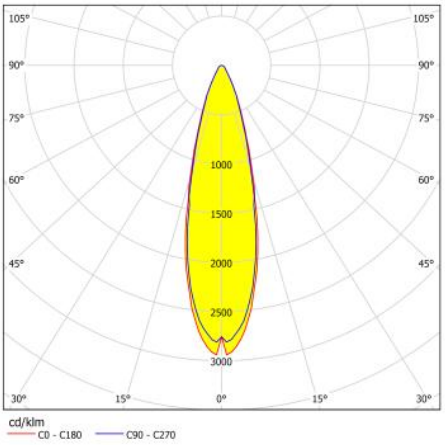
Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Beam Angle	lm/W
BSLS.S. 0450.250.57.100	250	5700	25960	80	220 - 240 / 50 - 60	100°	125
BSLS.S. 0450.250.57.20115	250	5700	30570	80	220 - 240 / 50 - 60	20°+115°	122
BSLS.S. 0450.250.57.ASL4	250	5700	30050	80	220 - 240 / 50 - 60	ASM-L4	120
BSLS.S. 0450.250.57.ASL8	250	5700	30760	80	220 - 240 / 50 - 60	ASM-L8	122
BSLS.S. 0450.215.57.15	215	5700	28400	80	220 - 240 / 50 - 60	15°	132
BSLS.S. 0450.215.57.25	215	5700	28000	80	220 - 240 / 50 - 60	25°	130
BSLS.S. 0450.215.57.70	215	5700	27470	80	220 - 240 / 50 - 60	70°	128
BSLS.S. 0450.215.57.100	215	5700	26880	80	220 - 240 / 50 - 60	100°	125
BSLS.S. 0450.215.57.20115	215	5700	27710	80	220 - 240 / 50 - 60	20°+115°	129
BSLS.S. 0450.215.57.ASL4	215	5700	26410	80	220 - 240 / 50 - 60	ASM-L4	123
BSLS.S. 0450.215.57.ASL8	215	5700	27350	80	220 - 240 / 50 - 60	ASM-L8	127
BSLS.S. 0450.152.57.15	152	5700	21560	80	220 - 240 / 50 - 60	15°	143
BSLS.S. 0450.152.57.25	152	5700	21270	80	220 - 240 / 50 - 60	25°	141
BSLS.S. 0450.152.57.70	152	5700	20970	80	220 - 240 / 50 - 60	70°	139
BSLS.S. 0450.152.57.100	152	5700	19900	80	220 - 240 / 50 - 60	100°	132
BSLS.S. 0450.152.57.20115	152	5700	20840	80	220 - 240 / 50 - 60	20°+115°	138
BSLS.S. 0450.152.57.ASL4	152	5700	20020	80	220 - 240 / 50 - 60	ASM-L4	133
BSLS.S. 0450.152.57.ASL8	152	5700	20670	80	220 - 240 / 50 - 60	ASM-L8	137

15°



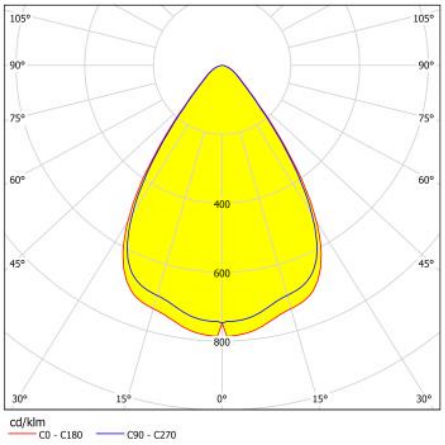
BSLS.0450.250.40.15

25°



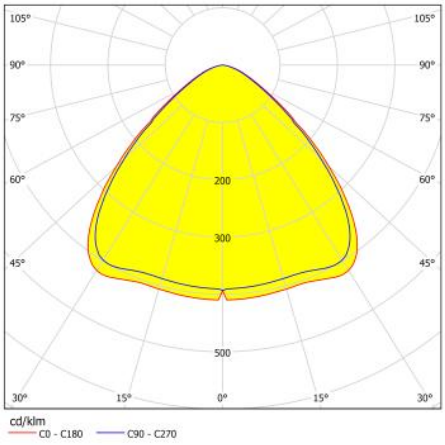
BSLS.0450.250.40.25

70°



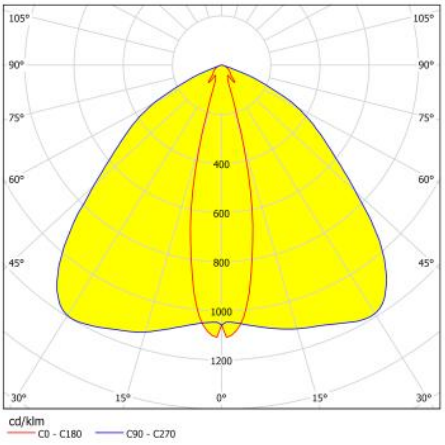
BSLS.0450.250.40.70

100°



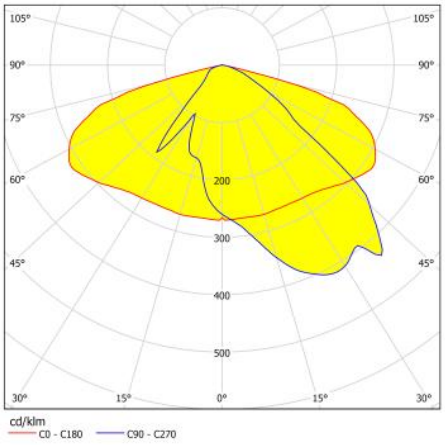
BSLS.0450.250.40.100

20°+115°



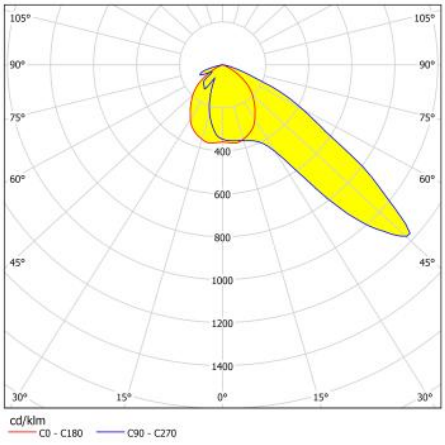
BSLS.0450.250.40.20115

ASM-L4



BSLS.0450.250.40.ASL4

ASM-L8



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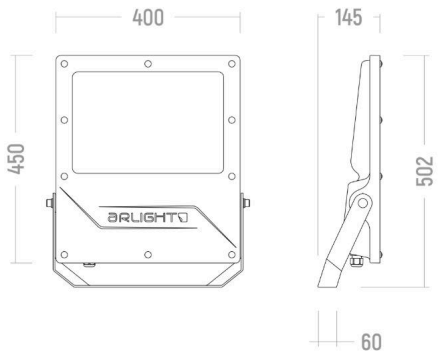

400
450
145
502
60

B 0375 SLS

Solis series is designed as a strong product family with it's aesthetic look, slim body structure and stylish form. SOLIS-Medium which is the member of this product family has a wide optical lens option to be used in many different areas. For fast assembly, it provides external mounting parts to provide precise installation at 5° angles. There are three different lumen alternatives that can be used in different architectural applications. In order to meet special demands, Solis Medium can be produce at bigger levels as well. With external IP68 connector, easy and safe connection can be done without interfering with the product.

Product

Type	B 0375 SLS
Category	Floodlight
Color	Black (RAL 9005)

Technical Data

Light source	High Power LED
Power	48W - 140W
Color temperature	4000K (optional 3000K, 6500K)
Color rendering index	CRI>70 (optional >80)
Beam angle	15°, 25°, 70°, 100°, 20°+115°, ASM-L4, ASM-L8
Luminare class	Sınıf 1
Voltage	220V/240V
Frequency	50/60 Hz
Dimming	Optional (DALI)
Surge protection	Min. 6kV com. mode (L-N-GND)
Luminous flux tolerance	±7%
Power consumption tolerance	±7%
LED life	L90B50 > 130.000 h

Other Information

Ingress protection	IP66
Impaction protection	IK08
Weight	7 kg
Dimensions (G x Y x U)	300m x 375mm x 123mm
Optical cover	Tempered glass
Cable	30 cm with cable connector
Housing Material	Aluminum die cast
Optic material	PMMA
Ambient temperature range	-40...+40 °C (140W) -40...+50 °C (48W, 69W, 105W)
Performance ambient temp.	25 °C

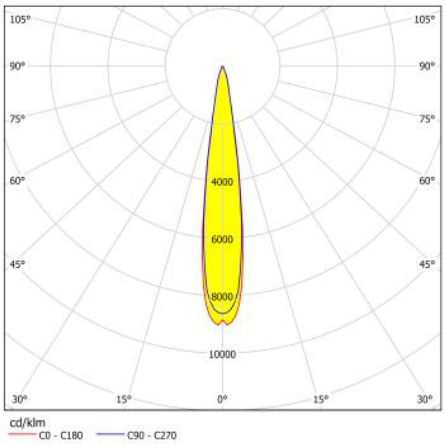
Urban

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Beam Angle	lm/W
BSLS. 0375.140.40.15	140	4000	18930	70	220 - 240 / 50 - 60	15°	135
BSLS. 0375.140.40.25	140	4000	18500	70	220 - 240 / 50 - 60	25°	132
BSLS. 0375.140.40.70	140	4000	19020	70	220 - 240 / 50 - 60	70°	135
BSLS. 0375.140.40.100	140	4000	17300	70	220 - 240 / 50 - 60	100°	123
BSLS. 0375.140.40.20115	140	4000	18400	70	220 - 240 / 50 - 60	20°+115°	131
BSLS. 0375.140.40.ASL4	140	4000	18060	70	220 - 240 / 50 - 60	ASM-L4	129
BSLS. 0375.140.40.ASL8	140	4000	18700	70	220 - 240 / 50 - 60	ASM-L8	133
BSLS. 0375.105.40.15	105	4000	15590	70	220 - 240 / 50 - 60	15°	148
BSLS. 0375.105.40.25	105	4000	15420	70	220 - 240 / 50 - 60	25°	146
BSLS. 0375.105.40.70	105	4000	15550	70	220 - 240 / 50 - 60	70°	139
BSLS. 0375.105.40.100	105	4000	14640	70	220 - 240 / 50 - 60	100°	139
BSLS. 0375.105.40.20115	105	4000	15110	70	220 - 240 / 50 - 60	20°+115°	143
BSLS. 0375.105.40.ASL4	105	4000	14905	70	220 - 240 / 50 - 60	ASM-L4	141
BSLS. 0375.105.40.ASL8	105	4000	15320	70	220 - 240 / 50 - 60	ASM-L8	145
BSLS. 0375.69.40.15	69	4000	10930	70	220 - 240 / 50 - 60	15°	158
BSLS. 0375.69.40.25	69	4000	10700	70	220 - 240 / 50 - 60	25°	155
BSLS. 0375.69.40.70	69	4000	10850	70	220 - 240 / 50 - 60	70°	157
BSLS. 0375.69.40.100	69	4000	10300	70	220 - 240 / 50 - 60	100°	149
BSLS. 0375.69.40.20115	69	4000	10600	70	220 - 240 / 50 - 60	20°+115°	153
BSLS. 0375.69.40.ASL4	69	4000	10350	70	220 - 240 / 50 - 60	ASM-L4	150
BSLS. 0375.69.40.ASL8	69	4000	10600	70	220 - 240 / 50 - 60	ASM-L8	153
BSLS. 0375.48.40.15	48	4000	7990	70	220 - 240 / 50 - 60	15°	166
BSLS. 0375.48.40.25	48	4000	7800	70	220 - 240 / 50 - 60	25°	162
BSLS. 0375.48.40.70	48	4000	7710	70	220 - 240 / 50 - 60	70°	161

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Beam Angle	lm/W
BSLS. 0375.48.40.100	48	4000	7560	70	220 - 240 / 50 - 60	100°	157
BSLS. 0375.48.40.20115	48	4000	7880	70	220 - 240 / 50 - 60	20°+115°	164
BSLS. 0375.48.40.ASL4	48	4000	7630	70	220 - 240 / 50 - 60	ASM-L4	158
BSLS. 0375.48.40.ASL8	48	4000	7930	70	220 - 240 / 50 - 60	ASM-L8	165
BSLS.S. 0375.140.57.15	140	5700	17590	80	220 - 240 / 50 - 60	15°	126
BSLS.S. 0375.140.57.25	140	5700	17190	80	220 - 240 / 50 - 60	25°	123
BSLS.S. 0375.140.57.70	140	5700	17160	80	220 - 240 / 50 - 60	70°	123
BSLS.S. 0375.140.57.100	140	5700	16570	80	220 - 240 / 50 - 60	100°	118
BSLS.S. 0375.140.57.20115	140	5700	16600	80	220 - 240 / 50 - 60	20°+115°	119
BSLS.S. 0375.140.57.ASL4	140	5700	16380	80	220 - 240 / 50 - 60	ASM-L4	117
BSLS.S. 0375.140.57.ASL8	140	5700	16570	80	220 - 240 / 50 - 60	ASM-L8	122
BSLS.S. 0375.105.57.15	105	5700	14250	80	220 - 240 / 50 - 60	15°	136
BSLS.S. 0375.105.57.25	105	5700	14025	80	220 - 240 / 50 - 60	25°	134
BSLS.S. 0375.105.57.70	105	5700	13920	80	220 - 240 / 50 - 60	70°	133
BSLS.S. 0375.105.57.100	105	5700	13430	80	220 - 240 / 50 - 60	100°	128
BSLS.S. 0375.105.57.20115	105	5700	13585	80	220 - 240 / 50 - 60	20°+115°	130
BSLS.S. 0375.105.57.ASL4	105	5700	13100	80	220 - 240 / 50 - 60	ASM-L4	125
BSLS.S. 0375.105.57.ASL8	105	5700	13580	80	220 - 240 / 50 - 60	ASM-L8	129
BSLS.S. 0375.69.57.15	69	5700	9790	80	220 - 240 / 50 - 60	15°	144
BSLS.S. 0375.69.57.25	69	5700	9650	80	220 - 240 / 50 - 60	25°	142
BSLS.S. 0375.69.57.70	69	5700	9580	80	220 - 240 / 50 - 60	70°	141
BSLS.S. 0375.69.57.100	69	5700	9245	80	220 - 240 / 50 - 60	100°	136
BSLS.S. 0375.69.57.20115	69	5700	9380	80	220 - 240 / 50 - 60	20°+115°	138
BSLS.S. 0375.69.57.ASL4	69	5700	9110	80	220 - 240 / 50 - 60	ASM-L4	134

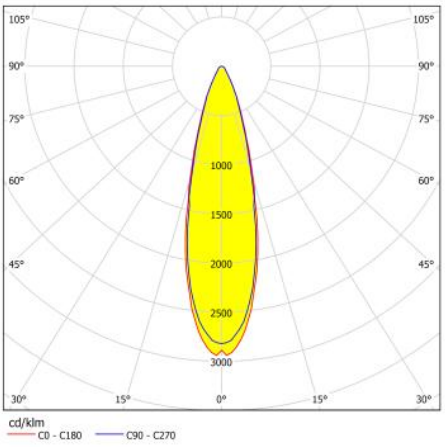
Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Beam Angle	lm/W
BSLS.S. 0375.69.57.ASL8	69	5700	9315	80	220 - 240 / 50 - 60	ASM-L8	137
BSLS.S. 0375.48.57.15	48	5700	7240	80	220 - 240 / 50 - 60	15°	150
BSLS.S. 0375.48.57.25	48	5700	7110	80	220 - 240 / 50 - 60	25°	147
BSLS.S. 0375.48.57.70	48	5700	7020	80	220 - 240 / 50 - 60	70°	145
BSLS.S. 0375.48.57.100	48	5700	6765	80	220 - 240 / 50 - 60	100°	140
BSLS.S. 0375.48.57.20115	48	5700	6890	80	220 - 240 / 50 - 60	20°+115°	142
BSLS.S. 0375.48.57.ASL4	48	5700	6700	80	220 - 240 / 50 - 60	ASM-L4	139
BSLS.S. 0375.48.57.ASL8	48	5700	6895	80	220 - 240 / 50 - 60	ASM-L8	143

15°



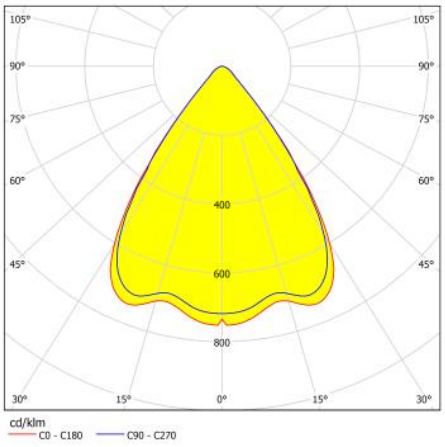
BSLS.0375.135.40.15

25°



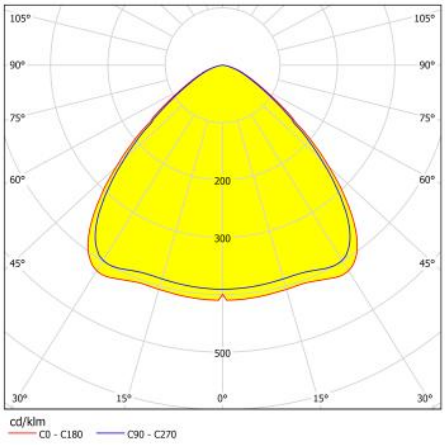
BSLS.0375.135.40.25

70°



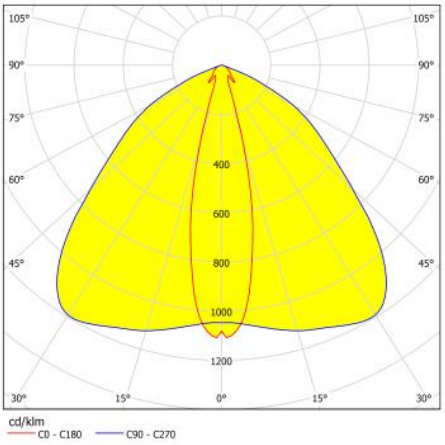
BSLS.0375.135.40.70

100°



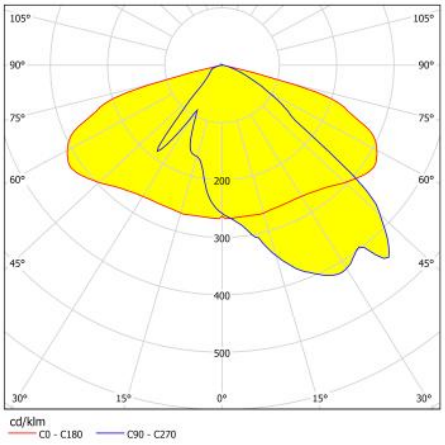
BSLS.0375.135.40.100

20°+115°



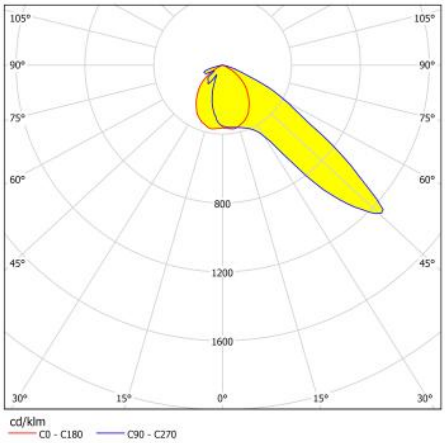
BSLS.0375.135.40.20115

ASM-L4



BSLS.0375.135.40.ASL4

ASM-L8



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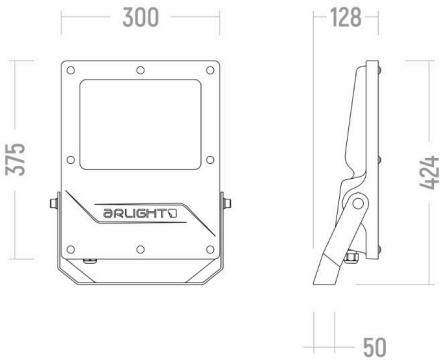


B 0140 STN-G

Housing
Anti-corrosion electrostatic powder painted alüminium body

Led
PAR16 LED lamp

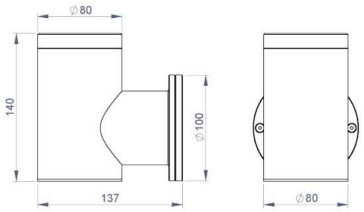
Optics
Transparent tempered glass

Lamp Base
GU 10

Ambient Temperature
-20 °C/+40 °C

Ral 9016 Ral 9005 Ral 9006

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	Lamp Base
BSTN-G.140.5.40	5	4000	450	>80	220 - 240 / 50 - 60	1,0	GU 10



B 0250 STN

Housing
Anti-corrosion electrostatic powder painted alüminium body

Led
High-efficacy High Power LED with CRI>80, achieving L70B50 ≥ 50,000 hours of lifetime.

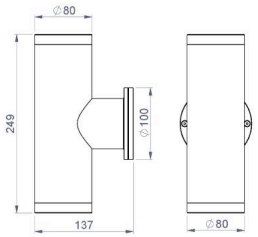
Optics
Highly efficient PMMA lens, designed specially for High Power LED.

Diffuser
Transparent tempered glass

Ambient Temperature
-20 °C/+40 °C

Ral 9016 Ral 9005 Ral 9006

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	Beam Angle
BSTN.250.60.11.30	11	3000	965	>80	220 - 240 / 50 - 60	1,5	60°
BSTN.250.60.11.40	11	4000	1045	>80	220 - 240 / 50 - 60	1,5	60°
BSTN.250.35.11.30	11	3000	1020	>80	220 - 240 / 50 - 60	1,5	35°
BSTN.250.35.11.40	11	4000	1100	>80	220 - 240 / 50 - 60	1,5	35°
BSTN.250.25.11.30	11	3000	1050	>80	220 - 240 / 50 - 60	1,5	25°
BSTN.250.25.11.40	11	4000	1135	>80	220 - 240 / 50 - 60	1,5	25°



B 0250 STN-G

Housing
Anti-corrosion electrostatic powder painted alüminium body

Led
PAR16 LED lamp

Optics
Transparent tempered glass

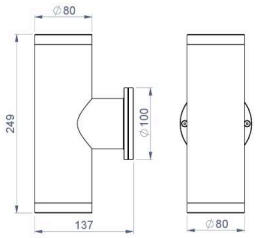
Lamp Base
GU 10

Ambient Temperature
-20 °C/+40 °C

NOTE
This product is supplied without a bulb as standard. The lighting status and performance shown are representative and may vary depending on the bulb model to be used. We are the standard for our company for bulb options.

Ral 9016 Ral 9005 Ral 9006

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	Lamb / Led	Lamp Base
BSTN-G.250.10.40	10	4000	850	>80	220 - 240 / 50 - 60	1,5	PAR16 Led	GU 10



STARK SMALL

HousingAluminium injection with electrostatic powder coating and air valve (ventile), monoblok silikon gasket

OpticsSpecial design, clear, acrylic (PMMA) optic lens

Glass4mm clear tempered glass

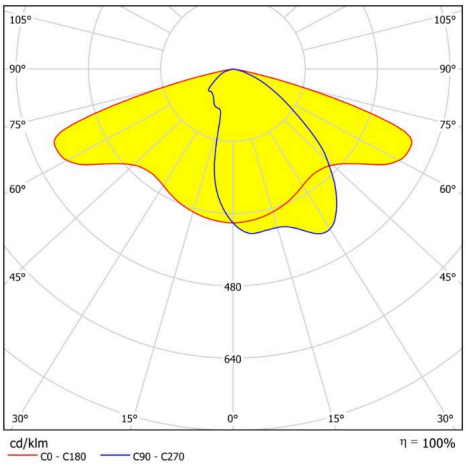
LEDHigh-power LED with high efficacy

DriverConstant current driver with high efficiency

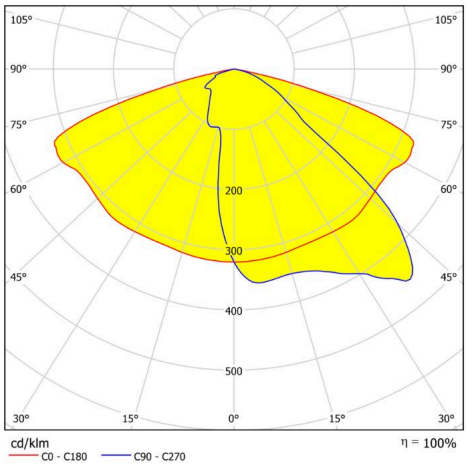
Ambient Temperature
-40 °C/+50 °C

Impact Resistance
Glass : IK08
Body : IK10

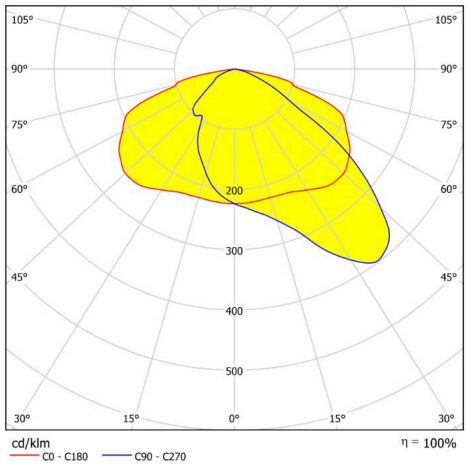
Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	lm/W
BSTA.450.36.40.L1	36	4000	5580	>70	220 - 240 / 50 - 60	6,3	153
BSTA.450.55.40.L1	55	4000	8260	>70	220 - 240 / 50 - 60	6,3	150
BSTA.450.62.40.L1	62	4000	9070	>70	220 - 240 / 50 - 60	6,3	147
BSTA.450.79.40.L1	79	4000	10950	>70	220 - 240 / 50 - 60	6,3	139
BSTA.450.36.40.L2	36	4000	5600	>70	220 - 240 / 50 - 60	6,3	154
BSTA.450.55.40.L2	55	4000	8230	>70	220 - 240 / 50 - 60	6,3	149
BSTA.450.62.40.L2	62	4000	8990	>70	220 - 240 / 50 - 60	6,3	146
BSTA.450.79.40.L2	79	4000	10830	>70	220 - 240 / 50 - 60	6,3	137
BSTA.450.36.40.L3	36	4000	5500	>70	220 - 240 / 50 - 60	6,3	151
BSTA.450.55.40.L3	55	4000	8360	>70	220 - 240 / 50 - 60	6,3	152
BSTA.450.62.40.L3	62	4000	9050	>70	220 - 240 / 50 - 60	6,3	147
BSTA.450.79.40.L3	79	4000	10800	>70	220 - 240 / 50 - 60	6,3	137
BSTA.450.36.40.L4	36	4000	5560	>70	220 - 240 / 50 - 60	6,3	153
BSTA.450.55.40.L4	55	4000	8280	>70	220 - 240 / 50 - 60	6,3	150
BSTA.450.62.40.L4	62	4000	9120	>70	220 - 240 / 50 - 60	6,3	148
BSTA.450.79.40.L4	79	4000	10750	>70	220 - 240 / 50 - 60	6,3	136
BSTA.450.36.40.L6	36	4000	5350	>70	220 - 240 / 50 - 60	6,3	149
BSTA.450.55.40.L6	55	4000	8110	>70	220 - 240 / 50 - 60	6,3	147
BSTA.450.62.40.L6	62	4000	8890	>70	220 - 240 / 50 - 60	6,3	144
BSTA.450.79.40.L6	79	4000	10450	>70	220 - 240 / 50 - 60	6,3	132



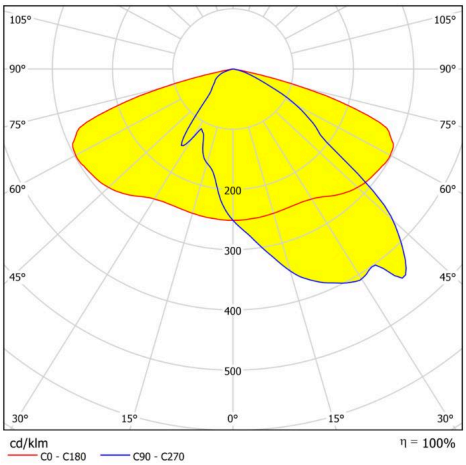
BSTA.450.79.40.L1



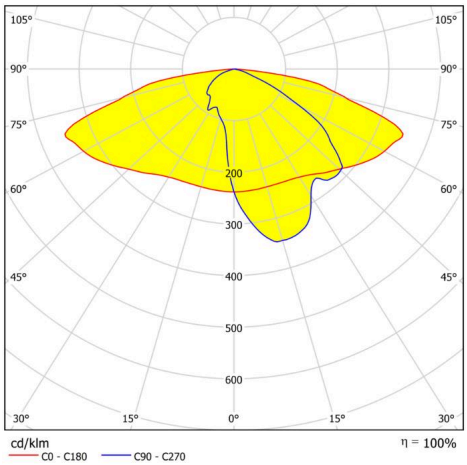
BSTA.450.79.40.L2



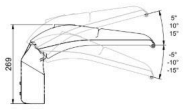
BSTA.450.79.40.L3

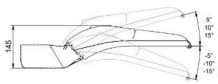


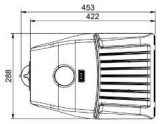
BSTA.450.79.40.L4

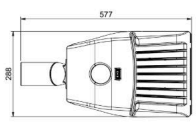


BSTA.450.79.40.L6

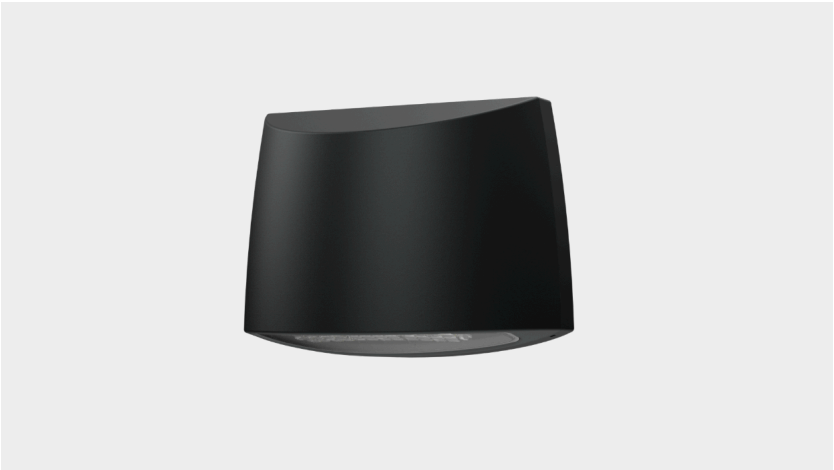








NURA



HousingAluminium injection with electrostatic powder coating and air valve (ventile), monoblok silikon gasket

OpticsSpecial design, clear, acrylic (PMMA) optic lens

Glass4mm clear tempered glass

LEDHigh-power LED with high efficacy

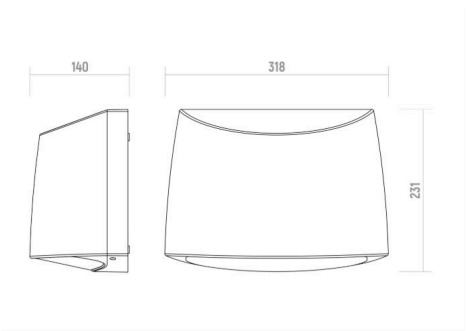
DriverConstant current driver with high efficiency

Ambient Temperature
-40 °C/+50 °C

Impact Resistance
Glass : IK08
Body : IK10

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	Beam Angle	lm/W	w/lm
BNRA.320.5.27.25	5	2700	0	>80	220 - 240 / 50 - 60	3,3	25°	106	
BNRA.320.5.30.25	5	3000	620	>80	220 - 240 / 50 - 60	3,3	25°	129	
BNRA.320.5.40.25	5	4000	649	>80	220 - 240 / 50 - 60	3,3	25°	135	
BNRA. 320.5.27.35105	5	2700	0	>80	220 - 240 / 50 - 60	3,3	35°+105°		
BNRA. 320.5.30.35105	5	3000	708	>80	220 - 240 / 50 - 60	3,3	35°+105°	148	
BNRA. 320.5.40.35105	5	4000	754	>80	220 - 240 / 50 - 60	3,3	35°+105°	157	
BNRA. 320.5.27.ASL13	5	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L13		
BNRA. 320.5.30.ASL13	5	3000	724	>80	220 - 240 / 50 - 60	3,3	ASM-L13		151
BNRA. 320.5.40.ASL13	5	4000	785	>80	220 - 240 / 50 - 60	3,3	ASM-L13	164	
BNRA. 320.5.27.ASL14	5	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L14		
BNRA. 320.5.30.ASL14	5	3000	686	>80	220 - 240 / 50 - 60	3,3	ASM-L14	143	
BNRA. 320.5.40.ASL14	5	4000	699	>80	220 - 240 / 50 - 60	3,3	ASM-L14	146	
BNRA.320.8.27.25	8	2700	0	>80	220 - 240 / 50 - 60	3,3	25°	104	
BNRA.320.8.30.25	8	3000	984	>80	220 - 240 / 50 - 60	3,3	25°	126	
BNRA.320.8.40.25	8	4000	1047	>80	220 - 240 / 50 - 60	3,3	25°	134	
BNRA.	8	2700	0	>80	220 - 240 / 50	3,3	35°+105°		

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	Beam Angle	lm/W	w/lm
320.8.27.35105	8	2700	0	>80	- 60	3,3	35°+105°		
BNRA. 320.8.30.35105	8	3000	1169	>80	220 - 240 / 50 - 60	3,3	35°+105°	150	
BNRA. 320.8.40.35105	8	4000	1243	>80	220 - 240 / 50 - 60	3,3	35°+105°	159	
BNRA. 320.8.27.ASL13	8	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L13		
BNRA. 320.8.30.ASL13	8	3000	1102	>80	220 - 240 / 50 - 60	3,3	ASM-L13	141	
BNRA. 320.8.40.ASL13	8	4000	1172	>80	220 - 240 / 50 - 60	3,3	ASM-L13	150	
BNRA. 320.8.27.ASL14	8	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L14		
BNRA. 320.8.30.ASL14	8	3000	1083	>80	220 - 240 / 50 - 60	3,3	ASM-L14	139	
BNRA. 320.8.40.ASL14	8	4000	1152	>80	220 - 240 / 50 - 60	3,3	ASM-L14	148	
BNRA. 320.13.27.25	13	2700	0	>80	220 - 240 / 50 - 60	3,3	25°	115	
BNRA. 320.13.30.25	13	3000	1612	>80	220 - 240 / 50 - 60	3,3	25°	124	
BNRA. 320.13.40.25	13	4000	1825	>80	220 - 240 / 50 - 60	3,3	25°	140	
BNRA. 320.13.27.35105	13	2700	0	>80	220 - 240 / 50 - 60	3,3	35°+105°		
BNRA. 320.13.30.35105	13	3000	1986	>80	220 - 240 / 50 - 60	3,3	35°+105°	153	
BNRA. 320.13.40.3505	13	4000	2113	>80	220 - 240 / 50 - 60	3,3	35°+105°	163	
BNRA. 320.13.27.ASL13	13	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L13		
BNRA. 320.13.30.ASL13	13	3000	1977	>80	220 - 240 / 50 - 60	3,3	ASM-L13	152	
BNRA. 320.13.40.ASL13	13	4000	2049	>80	220 - 240 / 50 - 60	3,3	ASM-L13	158	
BNRA. 320.13.27.ASL14	13	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L14		
BNRA. 320.13.30.ASL14	13	3000	1995	>80	220 - 240 / 50 - 60	3,3	ASM-L14	153	
BNRA. 320.13.40.ASL14	13	4000	1995	>80	220 - 240 / 50 - 60	3,3	ASM-L14	153	
BNRA. 320.20.27.25	20	2700	0	>80	220 - 240 / 50 - 60	3,3	25°	107	
BNRA. 320.20.30.25	20	3000	2560	>80	220 - 240 / 50 - 60	3,3	25°	130	
BNRA. 320.20.40.25	20	3000	2724	>80	220 - 240 / 50 - 60	3,3	25°	138	

Urban

Type Code	Power (w)	CCT (K)	Light Output (lm)	CRI	V/Hz	Weight (Kg)	Beam Angle	lm/W	w/lm
BNRA. 320.20.27.35105	20	2700	0	>80	220 - 240 / 50 - 60	3,3	35°+105°		
BNRA. 320.20.30.35105	20	3000	3002	>80	220 - 240 / 50 - 60	3,3	35°+105°	152	
BNRA. 320.20.40.35105	20	4000	3194	>80	220 - 240 / 50 - 60	3,3	35°+105°	162	
BNRA. 320.20.27.ASL13	20	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L13		
BNRA. 320.20.30.ASL13	20	3000	2874	>80	220 - 240 / 50 - 60	3,3	ASM-L13	146	
BNRA. 320.20.40.ASL13	20	4000	3058	>80	220 - 240 / 50 - 60	3,3	ASM-L13	155	
BNRA. 320.20.27.ASL14	20	2700	0	>80	220 - 240 / 50 - 60	3,3	ASM-L14		
BNRA. 320.20.30.ASL14	20	3000	2823	>80	220 - 240 / 50 - 60	3,3	ASM-L14	143	
BNRA. 320.20.40.ASL14	20	4000	3003	>80	220 - 240 / 50 - 60	3,3	ASM-L14	152