



SR Landscape Light

TUBO SERIES LED SPOT LIGHT



SUMMARY

diameter S: Ø47mm M: Ø63mm L: Ø73mm	mounting surface mount ground spike tree strap	optical construction cap half snoot full snoot	housing color 	accessory honeycomb spread lens frosted lens
IP IP66	power S: 1/3W M: 6/9W L: 11/15W	beam S: 11°/24°/36°/46° M: 13°/21°/33°/45° L: 16°/24°/36°/55°	color 2700K 4000K 3000K 5000K 3500K	CRI Ra 90+

FEATURES

- Wide range of beam angle selections: 11°~55°
- Modular optical and mounting accessories with plug-and-play interchangeability: half snoot, full snoot, honeycomb, spread lens, frosted lens and extended pole
- Integral humidity stabilizer technology
- Integral capillary stopper technology
- Marine grade powder coating

DIMMING OPTIONS



LIGHT OUTPUT

CRI/CCT: 927, 930, 935, 940, 950

Beam angle:

Beam Angle	NRB	MDB	WDB	FLD
S	11°	24°	36°	46°
M	13°	21°	33°	45°
L	16°	24°	36°	55°

Luminaire Lumen Output:

SR Tubo	Power	Flux with CAP (lm) @930			
		NRB	MDB	WDB	FLD
S	1W	51	74	68	57
	3W	149	221	207	171
M	6W	416	525	537	449
	9W	586	786	808	672
L	11W	839	980	954	834
	15W	1299	1346	1279	1132

Optical accessories: honeycomb, spread lens, frosted lens, half snoot, full snoot

ELECTRICAL

Supply voltage: DC24V±1.0V

Power range:

SR Tubo	Power
S	1W
	3W
M	6W
	9W
L	11W
	15W

ESD Protection: contact 4kV, air 8kV

MECHANICAL

Mounting: surface mount, ground spike, tree strap

Material: aluminum die cast

Housing color:



IP: IP66

ENVIRONMENT

Ambient temperature: -20°C ... +45°C

Storage temperature: -20°C ... +65°C

Working humidity: 5% to 85%, non-condensing

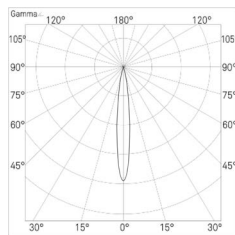
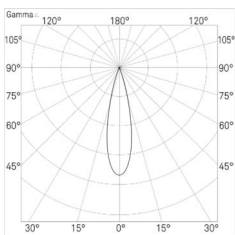
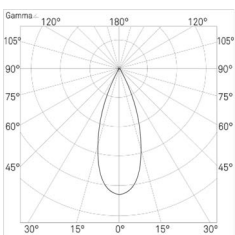
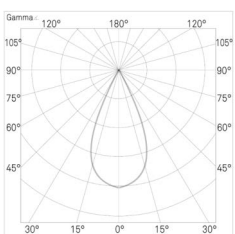
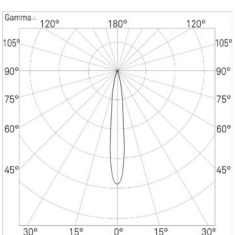
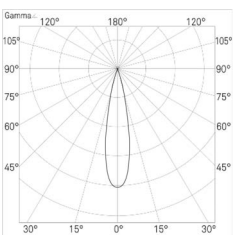
LIFETIME, WARRANTY & COMPLIANCE

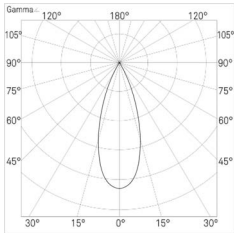
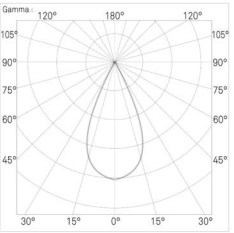
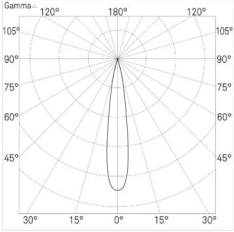
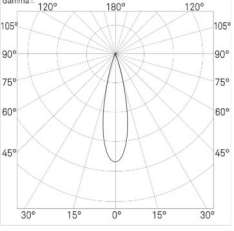
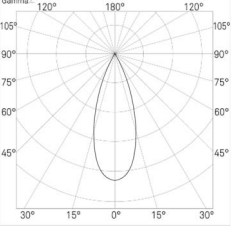
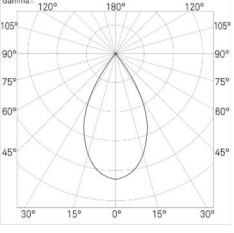
Warranty: 3 years

Lifetime: 50,000 hours at L70/B50 ta 30°C

Compliance: CE

PHOTOMETRY

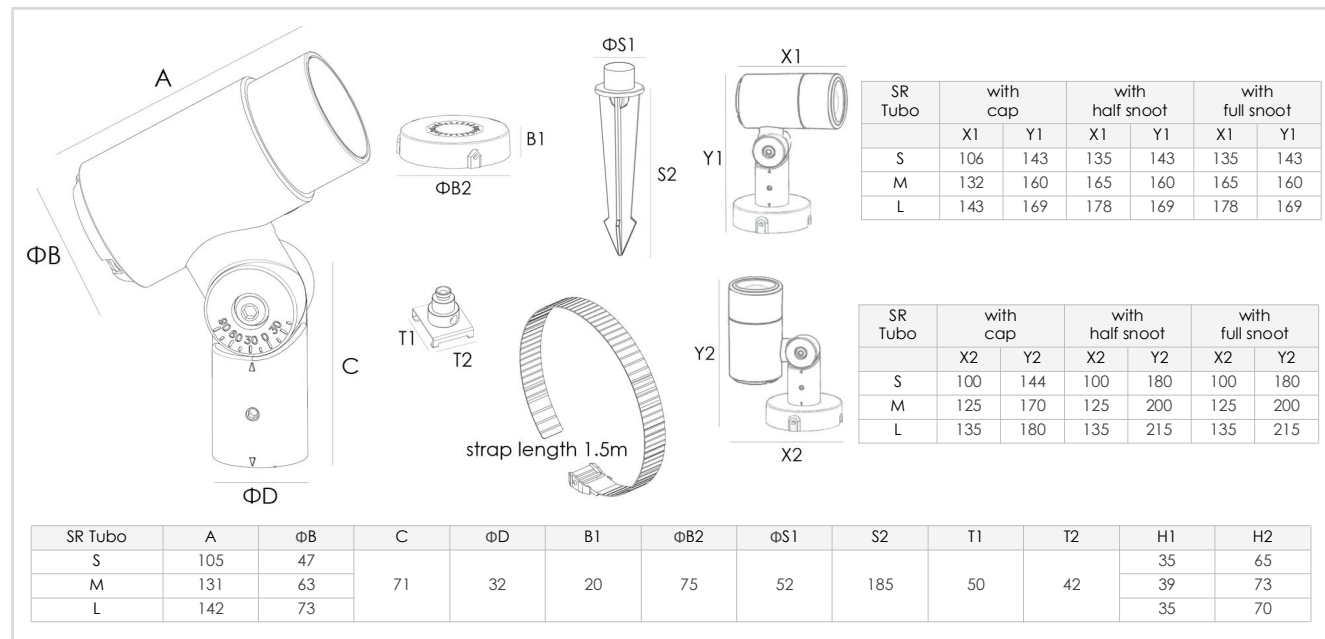
S 930 11°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>1W</th><th>3W</th></tr><tr><td>1</td><td>783</td><td>2279</td><td>0.19</td></tr><tr><td>2</td><td>196</td><td>570</td><td>0.38</td></tr><tr><td>3</td><td>87</td><td>253</td><td>0.57</td></tr><tr><td>4</td><td>49</td><td>142</td><td>0.76</td></tr><tr><td>5</td><td>31</td><td>91</td><td>0.95</td></tr></table> I (cd) 783 2279	Height (m)	E (lx)		D (m)	1W	3W	1	783	2279	0.19	2	196	570	0.38	3	87	253	0.57	4	49	142	0.76	5	31	91	0.95
Height (m)	E (lx)			D (m)																								
	1W	3W																										
1	783	2279	0.19																									
2	196	570	0.38																									
3	87	253	0.57																									
4	49	142	0.76																									
5	31	91	0.95																									
S 930 24°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>1W</th><th>3W</th></tr><tr><td>1</td><td>294</td><td>882</td><td>0.41</td></tr><tr><td>2</td><td>74</td><td>221</td><td>0.82</td></tr><tr><td>3</td><td>33</td><td>98</td><td>1.23</td></tr><tr><td>4</td><td>18</td><td>55</td><td>1.64</td></tr><tr><td>5</td><td>12</td><td>35</td><td>2.05</td></tr></table> I (cd) 294 882	Height (m)	E (lx)		D (m)	1W	3W	1	294	882	0.41	2	74	221	0.82	3	33	98	1.23	4	18	55	1.64	5	12	35	2.05
Height (m)	E (lx)			D (m)																								
	1W	3W																										
1	294	882	0.41																									
2	74	221	0.82																									
3	33	98	1.23																									
4	18	55	1.64																									
5	12	35	2.05																									
S 930 36°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>1W</th><th>3W</th></tr><tr><td>1</td><td>178</td><td>539</td><td>0.66</td></tr><tr><td>2</td><td>44</td><td>135</td><td>1.32</td></tr><tr><td>3</td><td>20</td><td>60</td><td>1.98</td></tr><tr><td>4</td><td>11</td><td>34</td><td>2.64</td></tr><tr><td>5</td><td>7</td><td>22</td><td>3.30</td></tr></table> I (cd) 178 539	Height (m)	E (lx)		D (m)	1W	3W	1	178	539	0.66	2	44	135	1.32	3	20	60	1.98	4	11	34	2.64	5	7	22	3.30
Height (m)	E (lx)			D (m)																								
	1W	3W																										
1	178	539	0.66																									
2	44	135	1.32																									
3	20	60	1.98																									
4	11	34	2.64																									
5	7	22	3.30																									
S 930 46°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>1W</th><th>3W</th></tr><tr><td>1</td><td>94</td><td>282</td><td>0.84</td></tr><tr><td>2</td><td>24</td><td>71</td><td>1.68</td></tr><tr><td>3</td><td>10</td><td>31</td><td>2.52</td></tr><tr><td>4</td><td>6</td><td>18</td><td>3.36</td></tr><tr><td>5</td><td>4</td><td>11</td><td>4.20</td></tr></table> I (cd) 94 282	Height (m)	E (lx)		D (m)	1W	3W	1	94	282	0.84	2	24	71	1.68	3	10	31	2.52	4	6	18	3.36	5	4	11	4.20
Height (m)	E (lx)			D (m)																								
	1W	3W																										
1	94	282	0.84																									
2	24	71	1.68																									
3	10	31	2.52																									
4	6	18	3.36																									
5	4	11	4.20																									
M 930 13°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>6W</th><th>9W</th></tr><tr><td>1</td><td>4264</td><td>6305</td><td>0.22</td></tr><tr><td>2</td><td>1066</td><td>1576</td><td>0.44</td></tr><tr><td>3</td><td>474</td><td>701</td><td>0.66</td></tr><tr><td>4</td><td>267</td><td>394</td><td>0.88</td></tr><tr><td>5</td><td>171</td><td>252</td><td>1.10</td></tr></table> I (cd) 4318 6938	Height (m)	E (lx)		D (m)	6W	9W	1	4264	6305	0.22	2	1066	1576	0.44	3	474	701	0.66	4	267	394	0.88	5	171	252	1.10
Height (m)	E (lx)			D (m)																								
	6W	9W																										
1	4264	6305	0.22																									
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3	474	701	0.66																									
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5	171	252	1.10																									
M 930 21°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>6W</th><th>9W</th></tr><tr><td>1</td><td>3341</td><td>4997</td><td>0.37</td></tr><tr><td>2</td><td>835</td><td>1249</td><td>0.74</td></tr><tr><td>3</td><td>371</td><td>555</td><td>1.11</td></tr><tr><td>4</td><td>209</td><td>312</td><td>1.48</td></tr><tr><td>5</td><td>134</td><td>200</td><td>1.85</td></tr></table> I (cd) 3341 4997	Height (m)	E (lx)		D (m)	6W	9W	1	3341	4997	0.37	2	835	1249	0.74	3	371	555	1.11	4	209	312	1.48	5	134	200	1.85
Height (m)	E (lx)			D (m)																								
	6W	9W																										
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2	835	1249	0.74																									
3	371	555	1.11																									
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M 930 33°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>6W</th><th>9W</th></tr><tr><td>1</td><td>1653</td><td>2489</td><td>0.60</td></tr><tr><td>2</td><td>413</td><td>622</td><td>1.20</td></tr><tr><td>3</td><td>184</td><td>277</td><td>1.80</td></tr><tr><td>4</td><td>103</td><td>156</td><td>2.40</td></tr><tr><td>5</td><td>66</td><td>100</td><td>3.00</td></tr></table> I (cd) 1653 2489	Height (m)	E (lx)		D (m)	6W	9W	1	1653	2489	0.60	2	413	622	1.20	3	184	277	1.80	4	103	156	2.40	5	66	100	3.00
Height (m)	E (lx)			D (m)																								
	6W	9W																										
1	1653	2489	0.60																									
2	413	622	1.20																									
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4	103	156	2.40																									
5	66	100	3.00																									
M 930 45°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>6W</th><th>9W</th></tr><tr><td>1</td><td>742</td><td>1109</td><td>0.83</td></tr><tr><td>2</td><td>186</td><td>277</td><td>1.66</td></tr><tr><td>3</td><td>82</td><td>123</td><td>2.49</td></tr><tr><td>4</td><td>46</td><td>69</td><td>3.32</td></tr><tr><td>5</td><td>30</td><td>44</td><td>4.15</td></tr></table> I (cd) 742 1109	Height (m)	E (lx)		D (m)	6W	9W	1	742	1109	0.83	2	186	277	1.66	3	82	123	2.49	4	46	69	3.32	5	30	44	4.15
Height (m)	E (lx)			D (m)																								
	6W	9W																										
1	742	1109	0.83																									
2	186	277	1.66																									
3	82	123	2.49																									
4	46	69	3.32																									
5	30	44	4.15																									
L 930 16°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>11W</th><th>15W</th></tr><tr><td>1</td><td>7636</td><td>10595</td><td>0.28</td></tr><tr><td>2</td><td>1909</td><td>2649</td><td>0.55</td></tr><tr><td>3</td><td>848</td><td>1177</td><td>0.83</td></tr><tr><td>4</td><td>477</td><td>662</td><td>1.10</td></tr><tr><td>5</td><td>305</td><td>424</td><td>1.38</td></tr></table> I (cd) 8062 10862	Height (m)	E (lx)		D (m)	11W	15W	1	7636	10595	0.28	2	1909	2649	0.55	3	848	1177	0.83	4	477	662	1.10	5	305	424	1.38
Height (m)	E (lx)			D (m)																								
	11W	15W																										
1	7636	10595	0.28																									
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L 930 24°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>11W</th><th>15W</th></tr><tr><td>1</td><td>5051</td><td>6850</td><td>0.41</td></tr><tr><td>2</td><td>1263</td><td>1713</td><td>0.82</td></tr><tr><td>3</td><td>561</td><td>761</td><td>1.23</td></tr><tr><td>4</td><td>316</td><td>428</td><td>1.64</td></tr><tr><td>5</td><td>202</td><td>274</td><td>2.05</td></tr></table> I (cd) 5138 6847	Height (m)	E (lx)		D (m)	11W	15W	1	5051	6850	0.41	2	1263	1713	0.82	3	561	761	1.23	4	316	428	1.64	5	202	274	2.05
Height (m)	E (lx)			D (m)																								
	11W	15W																										
1	5051	6850	0.41																									
2	1263	1713	0.82																									
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L 930 36°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>11W</th><th>15W</th></tr><tr><td>1</td><td>2505</td><td>3355</td><td>0.64</td></tr><tr><td>2</td><td>626</td><td>839</td><td>1.28</td></tr><tr><td>3</td><td>278</td><td>373</td><td>1.92</td></tr><tr><td>4</td><td>157</td><td>210</td><td>2.56</td></tr><tr><td>5</td><td>100</td><td>134</td><td>3.20</td></tr></table> I (cd) 2506 3406	Height (m)	E (lx)		D (m)	11W	15W	1	2505	3355	0.64	2	626	839	1.28	3	278	373	1.92	4	157	210	2.56	5	100	134	3.20
Height (m)	E (lx)			D (m)																								
	11W	15W																										
1	2505	3355	0.64																									
2	626	839	1.28																									
3	278	373	1.92																									
4	157	210	2.56																									
5	100	134	3.20																									
L 930 55°		<table><tr><th rowspan="2">Height (m)</th><th colspan="2">E (lx)</th><th rowspan="2">D (m)</th></tr><tr><th>11W</th><th>15W</th></tr><tr><td>1</td><td>1178</td><td>1556</td><td>1.00</td></tr><tr><td>2</td><td>295</td><td>389</td><td>2.00</td></tr><tr><td>3</td><td>131</td><td>173</td><td>3.00</td></tr><tr><td>4</td><td>74</td><td>97</td><td>4.00</td></tr><tr><td>5</td><td>47</td><td>62</td><td>5.00</td></tr></table> I (cd) 1177 1555	Height (m)	E (lx)		D (m)	11W	15W	1	1178	1556	1.00	2	295	389	2.00	3	131	173	3.00	4	74	97	4.00	5	47	62	5.00
Height (m)	E (lx)			D (m)																								
	11W	15W																										
1	1178	1556	1.00																									
2	295	389	2.00																									
3	131	173	3.00																									
4	74	97	4.00																									
5	47	62	5.00																									

SR Landscape Light TUBO SERIES LED PROJECTOR



DIMENSIONS



OPTICAL CONSTRUCTION



OPTICAL ACCESSORIES



MOUNTING ACCESSORY



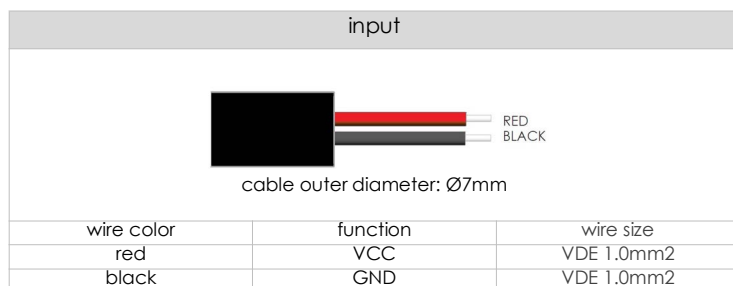
MOUNTING OPTIONS



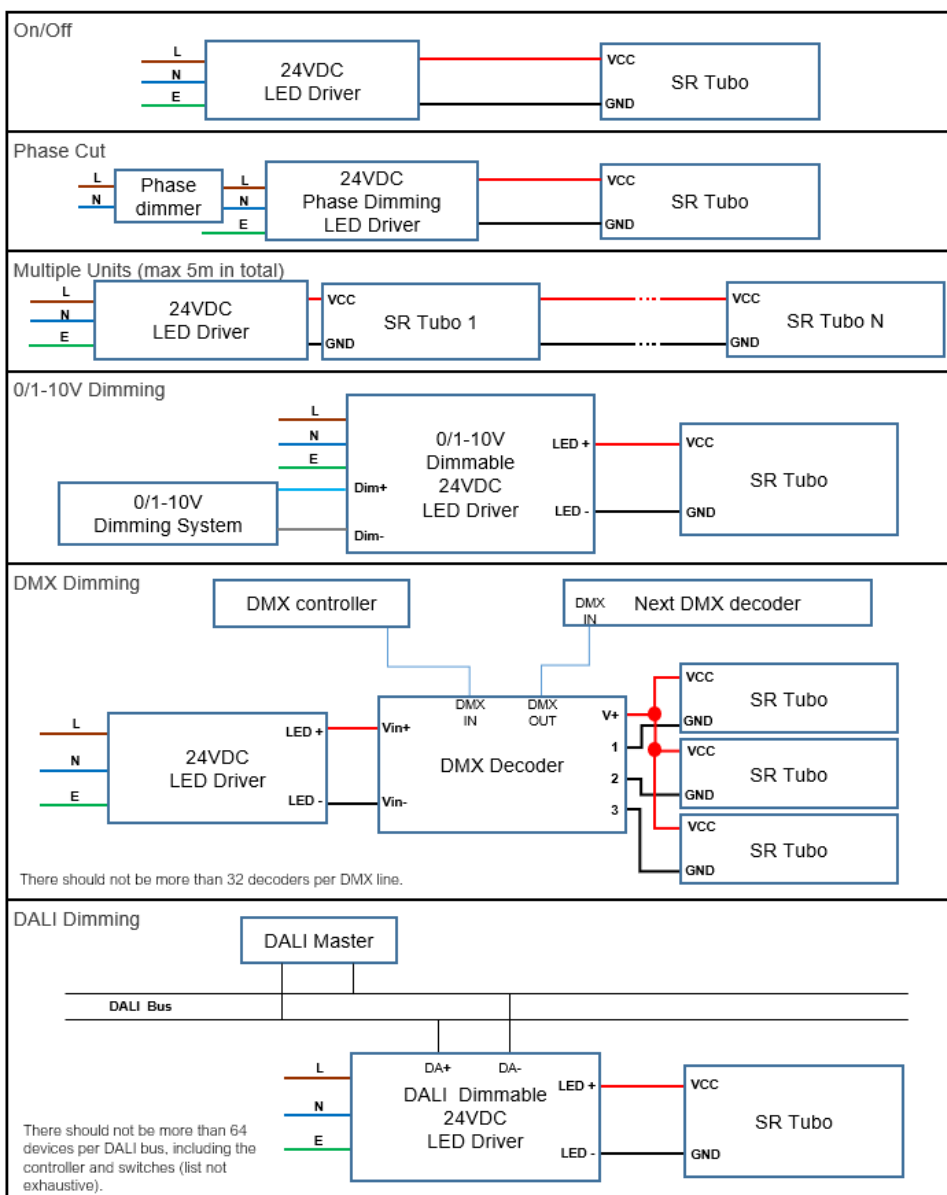
SR Landscape Light TUBO SERIES LED PROJECTOR



WIRING



CONNECTIONS



SR Landscape Light TUBO SERIES LED PROJECTOR



ORDERING INFORMATION

SR Tubo Series	Model	Power	CRI/CCT	Beam Angle†	Mounting‡	Optical Construction*	Optical Accessory 1#	Optical Accessory 2##
SRTUBO	S	1W 3W	927 930 935 940 950	NRB MDB WDB FLD	SFM SPIKE STRAP	CAP SNH SNF	NA HC	NA FRO SPD
	M	6W 9W						
	L	11W 15W						

Example: SRTUBO S 3W 930 MDB SFM SNH HC NA refers to SR Tubo LED Spot Light Series IP66, S model, 3W, CRI Ra90+, CCT 3000K, beam angle 24°, surface mount base with half snoot and honeycomb.

Beam Angle †	S	M	L
NRB	11°	13°	16°
MDB	24°	21°	24°
WDB	36°	33°	36°
FLD	46°	45°	55°

Mounting ‡	Description
SFM	surface mount base
SPIKE	ground spike
STRAP	tree strap mount (include base and 1.5m nylon strap)

Optical Construction*	Description
CAP	front cap
SNH	half snoot
SNF	full snoot

Optical Accessories 1#	Optical Accessories 2##	Description
NA	NA	no accessory
HC	--	honeycomb
--	FRO	frosted lens
--	SPD	spread lens

SR Tubo Accessories	Description
SRTUBO HC S/M/L	honeycomb with holder, S/M/L
SRTUBO SPD S/M/L	spread lens with holder, S/M/L
SRTUBO FRO S/M/L	frosted lens with holder, S/M/L
SRTUBO HC FRO S/M/L	honeycomb and frosted lens with holder, S/M/L
SRTUBO HC SPD S/M/L	honeycomb and spread lens with holder, S/M/L
SRTUBO CAP S/M/L	front cap S/M/L
SRTUBO SNH S/M/L	half snoot S/M/L
SRTUBO SNF S/M/L	full snoot S/M/L
SRTUBO SFM	surface mount base
SRTUBO SPIKE	ground spike
SRTUBO STRAP	strap mount base and 1.5m nylon tree strap
SRTUBO EXT POLE	pole extension (length: 500mm, Ø32mm)

LED Drivers	Description
SBV-040N024X167Q	40W 24V Constant Voltage LED Driver
SAV-060N024X02HQA	60W 24V Constant Voltage LED Driver
SAV-096N024X400Q	96W 24V Constant Voltage LED Driver
SAV-150N024X625Q	150W 24V Constant Voltage LED Driver