



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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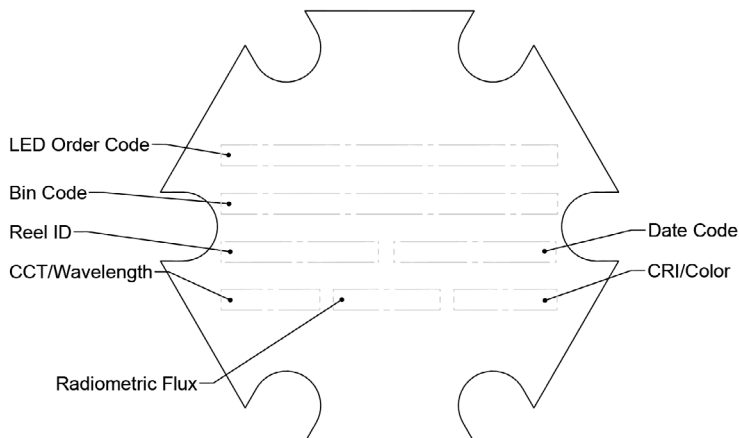
# Osram Horticulture Starboards

## Product Selection Guide

Color	Part Number	Description	Beam Angle	Peak Wave length	Vf	Flux (mW)	uMol/s	uMol/J	uMol/s	uMol/J
					@ 350mA, Tj 25C				@700mA, Tj 85C	
 Deep Blue 455nm	LST1-01F06-RYL1-00	Starboard, Osram OSOLON SSL 120, Deep Blue	120°	455nm	2.85	687	2.60	2.60	4.20	2.10
 Green 530nm	LST1-01F06-GRN1-00	Starboard, Osram OSOLON SSL 120, Green	120°	530nm	3.20	281	1.22	1.09	1.73	0.77
 White 4000K	LST1-01F06-4070-00	Starboard, Osram OSOLON Square, 4000K / 70CRI	120°	n/a	3.00	516	2.34	2.39	4.10	2.09
 Hyper Red 655nm	LST1-01F06-PRD1-00	Starboard, Osram OSOLON SSL 120, Hyper Red	120°	655nm	2.15	450	2.47	3.29	4.35	2.68
 Far Red 735nm	LST1-01F06-FRD1-00	Starboard, Osram OSOLON SSL 120, Far Red	120°	735nm	1.85	282	1.60	2.48	2.70	1.98

All values shown above are typical. Please reference the marking on the starboard back side for actual values.  
Do not look into the light emitting from these LEDs as it is harmful to the human eye.  
Eye injury may result. Use skin and eye protection as necessary.  
Other beam angles and colors available upon request

### Detailed Back-Side Labeling



### About Opulent Americas

Opulent Americas, part of Singapore based Opulent Group, is a fully integrated, global manufacturer for the lighting, automotive and medical industries. Through 30 years of manufacturing experience and state-of-the-art facilities, the company offers leading solid state lighting components and modules. The NC-based office provides quick engineering & sales support with an R&D lab to provide prototype development and custom solutions. See [Opulent-Americas.com](http://Opulent-Americas.com) for more information.

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For support visit [Opulent-Americas.com/support](http://Opulent-Americas.com/support)



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