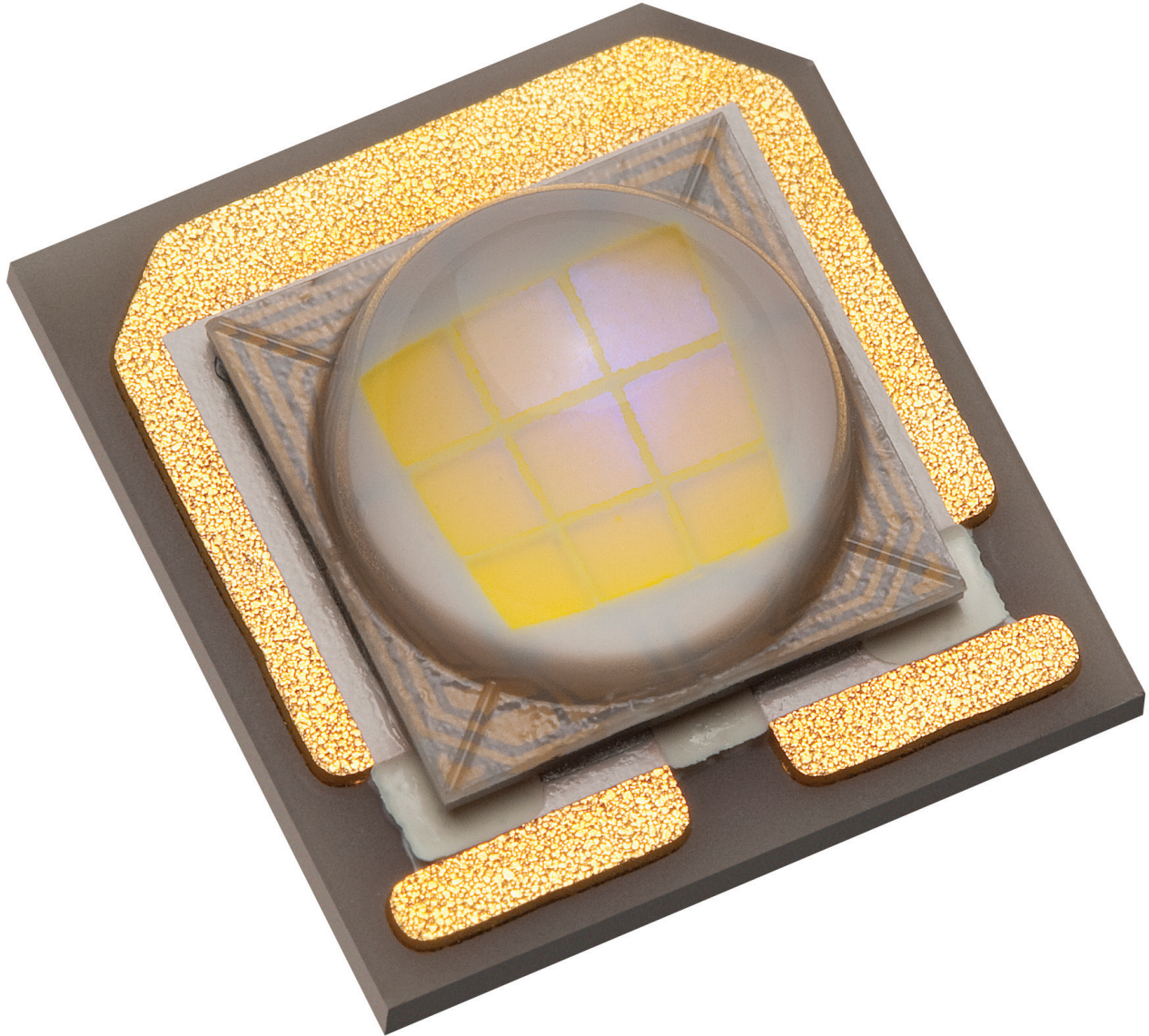


LUXEON S

Freedom From Binning



LUXEON®

FUTURE
Lighting Solutions
Making LED Lighting Solutions Simple™

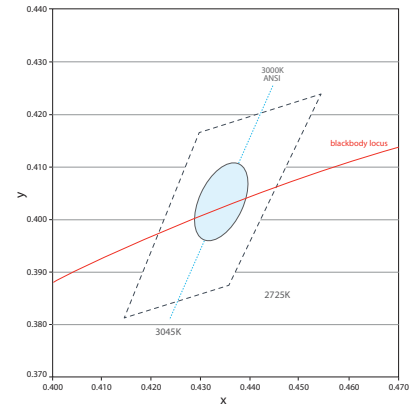
www.FutureLightingSolutions.com

LUXEON S

LUXEON S redefines what's possible for LED based retail spot and down lighting. LUXEON S delivers "Freedom From Binning" to ensure the highest quality of light and provide simple, effective, and efficient lighting. Because LUXEON S is hot tested and binned, the performance is already known at application conditions, further simplifying and speeding the development process and solution confidence. With a CCT of 3000K and a CRI >80, all LUXEON S emitters are targeted to the blackbody curve and populate an area within a 3-step MacAdam Ellipse. The result is unmatched uniformity and consistency within the light beam and between emitters.

Soldering is not required, as a Tyco Electronics mounting clamp is used to mount this LED directly on a heat sink.

LUXEON S bin structure within a single 3-step MacAdam Ellipse



LUXEON S ("Freedom From Binning", tested at Tj = 85°C)

Color	Part Number	"Nominal CCT (K)"	Min CRI	Typ CRI	Min Flux (lumens)	Typ Flux (lumens)	Test Forward Current (mA)	Maximum Ratings	Typ. Efficacy (lm/W)
CCT/CRI Specified	LXS8-PW30	ANSI 3000	80	85	1175	1300	700	"DC Forward Current: 700mA; LED Junction Temperature: 115°C"	68

Note: Mounted directly on a heat sink using Tyco Electronics Solderless LED Socket, Type LS. Please refer to 3000K "Freedom from Binning" 3-step MacAdam Ellipse chart below.

Tyco Electronics Solderless LED Socket, Type LS

Part Number	Description
2154235-1	Solderless LED socket, type LS without optic latches
2154235-2	Solderless LED socket, type LS with optic latches

Reflectors

Beam Type	Supplier	Optic			
		Part Number	Beam Angle (°)	Diameter (mm)	Shape
Narrow Beam Lens	Ledil	C11773_Venla-S-Vega	12	45	Circular
Medium Beam Lens		C11775_Venla-M-Vega	28	45	
Wide Beam Lens		C11776_Venla-W-Vega	42	45	
Symmetrical Beam Lens		C11777_Venla-WW-Vega	48	45	

Thermal Management

Part Number	Series	Diameter / Length (mm)	Thermal Resistance (°C)*	Max Cooling Capacity (W)**
HP20S-CALBL-001	Zflow 65	66	1.67-2.5	24
HSLCS-CALCL-007	Zflow 75	75	0.97-1.2	31

* Thermal resistance when used in conjunction with SynJet. Value is dependent on SynJet performance setting.

** Maximum cooling capacity is based on SynJet running at High-Performance setting.

Power Solutions

Supplier	Part Number	Power (W)	VIN (Vac)	VOUT (Vdc)	IOUT (mA)	0 - 10 V	DALI	Remarks
Philips	913701213402	39	120-277	25-56	200-700	x		(North America) with 12 V auxiliary output
Philips	929000600403	15-30	220-240	18-36	300-1000		x	(Asia and Europe) with 12 V auxiliary output
Meanwell	LPC-35-700	33.6	90-264	9-48	700			-
Inventronics	EUC-025S070DS	25	90-305	12-36	700	x		-

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