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DURIS® E 2835 Color

(Product Info)

OSRAM Opto Semiconductors | OS IL | September 2020



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Opto Semiconductors

DURIS® E 2835 Color (Product Info update)

Product Brief



2835 LED 0.5W



Provide \$ value Mid-Power LED and standard foot print with wide range of color

- 2.8 x 3.5 mm² PCT package with 120 degree beam angle
- Standardize market foot print
- Value for \$

Applications:

- Architectural Lighting
- Accent & Effect Lighting
- Horticulture Lighting



Type	L dom	Color		Binning	typ. Vf (V)	typ. Power (W)	typ. output	Typ. Eff.	PPF/W
GD JTLPS1.14	455nm		Deep Blue	150mA / 25°C	2.95	0.5	286mW	66%	2.42 µmol/J
GB JTLPS1.13	465nm		Blue		3.2	0.5	11lm	23lm/W	-
GT JTLPS1.13	525nm		True Green		2.95	0.5	68lm	154lm/W	-
GR JTLPS1.23	620nm		Red		2.16	0.5	24lm	74lm/W	-
GH JTLPS1.24	660nm		Hyper Red		2.2	0.5	132mW	38%	2.18 µmol/J
GF JTLPS1.24	730nm		Far Red		1.9	0.5	104mW	37%	0.30 µmol/J
GP JTLPS1.14	NA		Purple		2.86	0.5	203mW	46%	2.01 µmol/J

Product Ordering Info

DURIS® E 2835 Color – (0.5W) Ordering Q code

Devices	Color	Q code description	Q code	Datasheet
GR JTLPS1.23	Red	GR JTLPS1.23-G7H4-45-1-150-R33	Q65113A1052	Version 1.3
GT JTLPS1.13	Green	GT JTLPS1.13-KKLN-25-1-150-R33	Q65113A1047	Version 1.3
GB JTLPS1.13	Blue	GB JTLPS1.13-FVG6-23-1-150-R33	Q65113A1049	Version 1.2
GD JTLPS1.14	Deep Blue	GD JTLPS1.14-MFN8-25-1-150-R33	Q65113A1051	Version 1.2
GH JTLPS1.24	Hyper Red	GH JTLPS1.24-K5L2-1-1-150-R33	Q65113A1048	Version 1.3
GF JTLPS1.24	Far Red	GF JTLPS1.24-KXK5-1-1-150-R33	Q65113A1050	Version 1.3
GP JTLPS1.14	Purple	GP JTLPS1.14-M2N1-P1P2-1-150-R33	Q65113A1493	Version 1.1

Product Info update

DURIS® E 2835 Color – (0.5W)

- Available Color: Red, Green, Blue, Deep Blue, Hyper Red, Far Red and Purple
- Standard footprint of 2.8 mm x 3.5 mm
- ESD withstand voltage 2kV

Devices	Pre-series sample	LM80	Datasheet	Start of Production
Red, Green, Blue	Available in Sample Store	3000 hours Oct 2020	Refer to Sales & Marketing	Standard lead time Refer to Sales & Marketing
Deep Blue, Hyper Red, Far Red, Purple	Available in Sample Store	3000 hours Nov 2020	Refer to Sales & Marketing	Standard lead time Refer to Sales & Marketing

Note: info subjected to change

Thank you.