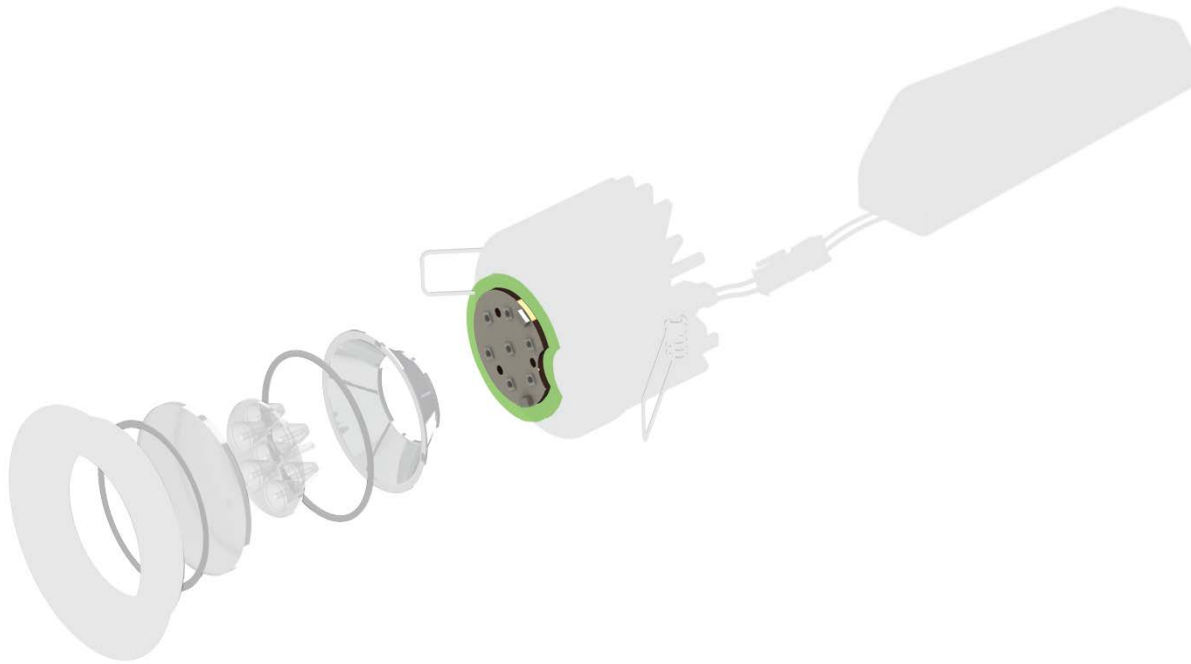




Designed &  
Produced  
in the UK



# 2012 Archive

## Specification Range - Light Engines

- Enclosed data sheets are maintained for reference only
- New range utilises new order codes & nomenclature
- Latest edition offers an extended range of luminaires with a wide choice of more efficient and higher output light engines. This gives the flexibility to match the right aesthetic and mechanical solution to a number of illumination and efficiency possibilities, as well as colour tuneable, high CRI and RGB options
- Find the latest range of downlights here:

<http://www.photonstarlighting.co.uk/products/>



# Standard Light Engines

Efficient superior LED Light Engines for halogen and CFL type applications

Fixed colour temperature LED light engines to be specified in PhotonStar™ luminaires.  
Designed as a superior and efficient alternative for halogen and CFL type applications.

- Greater than Ra 80
- 50,000 hours life ( $L_{70} F_{10}$ )

- 2700K, 3000K, 4000K  
& 6500K

- Up to 78.9lm/cW
- 150 to 3300lm



# Pluto 300

4.4W LED light engine module for general 20W MR11 type applications

Delivered Lumens: 243lm @ 3000K<sup>B</sup>

Luminaire lm/circW: 48lm/circW<sup>B</sup> @ 3000K

Typical CRI: Ra 83 @ 3000K

LED Power: 4.4W<sup>C</sup>

Mains Power: 5.1 circW<sup>B</sup>

Light Aperture Compatibility: 39mm

LED Type: 1 Cree MCE



Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	 /PT1-300	-80	-30 -27 -40 -65

Drivers: See Driver Table A

Colour Temperature	3000K	2700K*	4000K*	6500K*
Order Code	30	27	40	65
LED Module Luminous Flux	298lm	307lm	360lm	417lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	243lm	289lm	339lm	393lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	5	5	5	5
Lifetime (L <sub>70</sub> F <sub>30</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	350mA	350mA	350mA	350mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	32.5%	32.5%	32.5%	32.5%

<sup>A</sup> All data @ 25° ambient

<sup>B</sup> In LS-MA fitting with 350mA 86% efficient driver

<sup>C</sup> 350mA

\* To special order minimum quantity

(All values are typical unless stated)

# PT1-300



# PT1-390

# Pluto 390

6.6W LED light engine module for 20W MR11 & MR16 decorative accent applications



Delivered Lumens: 316lm @ 3000K<sup>B</sup>  
 Luminaire lm/circW: 62lm/circW<sup>B</sup> @ 3000K  
 Typical CRI: Ra 83 @ 3000K  
 LED Power: 6.6W<sup>C</sup>

Mains Power: 7.7 circW<sup>B</sup>  
 Light Aperture Compatibility: 39mm  
 LED Type: 1 Cree MCE



Ordering:	e.g. Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
	FITTING CODE	/PT1-390	-80	-30 -27 -40 -65

Drivers: See Driver Table B

Colour Temperature Order Code	3000K 30	2700K* 27	4000K* 40	6500K* 65
LED Module Luminous Flux	387lm	375lm	441lm	511lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	316lm	307lm	360lm	417lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	5	5	5	5
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	500mA	500mA	500mA	500mA
LEDs Drive Current	500mA	500mA	500mA	500mA
Emergency Pack BLF	25%	25%	25%	25%

<sup>A</sup> All data @ 25° ambient  
<sup>B</sup> In PS-SP fitting with 500mA 86% efficient driver  
<sup>C</sup> 500mA  
 \* To special order minimum quantity

(All values are typical unless stated)

# Pictor 150 RGBW

4.4W RGBW LED light engine module for colour changing decorative accent applications

Delivered Lumens: 125lm @ 3000K

Luminaire lm/circW: 47lm/circW@350mA

all channels

LED Power: 4.4W<sup>c</sup>

Mains Power: 5.1 circW

Light Aperture Compatibility: 39mm

LED Type: 1 Cree MCE Colour



Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	 /PR1-150	-RG	-RG

Drivers: See Controls

Colour Temperature	RGBW
Order Code	RG
LED Module Luminous Flux	155lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	125lm
Typical CRI (Ra)	N/A
CRI shift @ 6000hrs	N/A
CCT shift @ 6000hrs	N/A
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9
Module Drive Current	Depends on driver
LEDs Drive Current	350mA
Emergency Pack BLF	N/A

<sup>A</sup> All data @ 25° ambient

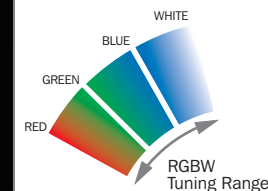
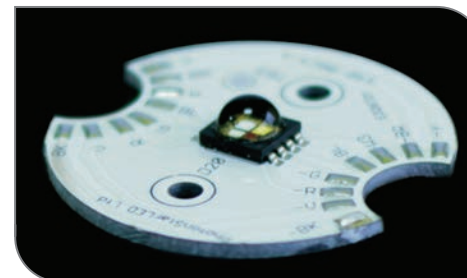
<sup>B</sup> Relates to single channel

<sup>C</sup> 350mA

\* To special order minimum quantity

(All values are typical unless stated)

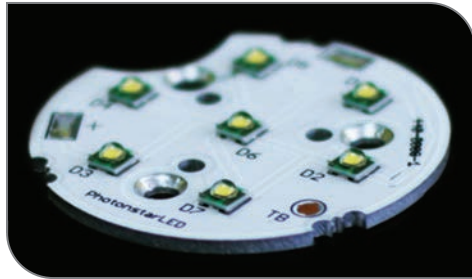
# PR1-150



# TN1-550

# Titan 550

6.2W LED light engine module for general 35W MR16/50W GU10 type applications



Delivered Lumens: 470lm @ 3000K<sup>B</sup>  
 Luminaire lm/circW: 64.4lm/circW<sup>B</sup> @ 3000K  
 Typical CRI: Ra 83 @ 3000K  
 LED Power: 6.2W<sup>C</sup>

Mains Power: 7.2 circW<sup>B</sup>  
 Light Aperture Compatibility: 50mm  
 LED Type: 7 Cree XPE / 7 Lumileds Rebel



Phaeton      Simetra      Lorem      Cryos



Tesla      CeilingStar      Venturi      Vespertine



Cordus      Lightslot      Phocus      Surface Spot



Track Spot      Olympus      Muro      Chime

Ordering:	e.g. Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
	FITTING CODE	/TN1-550	-80	-30 -40 -27 -65

Drivers: See Driver Table C

Colour Temperature Order Code	3000K 30	4000K 40	2700K* 27	6500K* 65
LED Module Luminous Flux	546lm	581lm	514lm	667lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	470lm	500lm	442lm	573lm
Typical CRI (Ra)	Ra 83	Ra 86	Ra 83	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	22.1%	22.1%	22.1%	22.1%

<sup>A</sup> All data @ 25° ambient  
<sup>B</sup> In CS-ED fitting with 700mA 86% efficient driver  
<sup>C</sup> 700mA  
 \* To special order minimum quantity

(All values are typical unless stated)

# Mercury 630

6.2W high efficiency LED light engine module for general 35W MR16/50W GU10 type applications

Delivered Lumens: 541lm @ 3000K<sup>B</sup>

Luminaire lm/circW: 74.1lm/circW<sup>B</sup> @ 3000K

Typical CRI: Ra 83 @ 3000K

LED Power: 6.2W<sup>C</sup>

Mains Power: 7.2 circW<sup>B</sup>

Light Aperture Compatibility: 50mm

LED Type: 7 Cree XPG / 7 Lumileds Rebel ES



UK Part L1 & L2

Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	/MC1-630	-80	-30 -40 -27 -65

Drivers: See Driver Table C

Colour Temperature Order Code	3000K 30	4000K 40	2700K* 27	6500K* 65
LED Module Luminous Flux	629lm	670lm	591lm	717lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	541lm	576lm	508lm	616lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 83	Ra 83
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>30</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	22.1%	22.1%	22.1%	22.1%

<sup>A</sup> All data @ 25° ambient

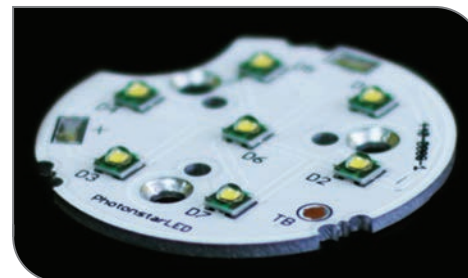
<sup>B</sup> In CS-ED fitting with 700mA 86% efficient driver

<sup>C</sup> 700mA

\* To special order minimum quantity

(All values are typical unless stated)

# MC1-630



Phaeton



Simetra



Lorem



Cryos



Tesla



CeilingStar



Venturi



Vespertine



Cordus



Lightslot



Surface Spot



Track Spot



Olympus

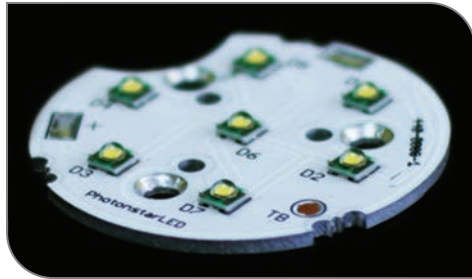


Chime

# MC1-810

# Mercury 810

9.5W LED light engine module for general 50W MR16 type applications



Delivered Lumens: 695lm @ 3000K<sup>B</sup>  
 Luminaire lm/circW: 62.5lm/circW<sup>B</sup> @ 3000K  
 Typical CRI: Ra 83 @ 3000K  
 LED Power: 9.5W<sup>C</sup>

Mains Power: 11 circW<sup>B</sup>  
 Light Aperture Compatibility: 50mm  
 LED Type: 7 Cree XPG / 7 Lumileds Rebel ES



Ordering:	e.g. Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
	FITTING CODE	/MC1-810	-80	-30 -40 -27 -65

Drivers: See Driver Table D

Colour Temperature Order Code	3000K 30	4000K 40	2700K* 27	6500K* 65
LED Module Luminous Flux	661lm	861lm	760lm	922lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	695lm	741lm	654lm	793lm
Typical CRI (Ra)	Ra 83	Ra 86	Ra 83	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	1000mA	1000mA	1000mA	1000mA
LEDs Drive Current	500mA	500mA	500mA	500mA
Emergency Pack BLF	16.46%	16.46%	16.46%	16.46%

<sup>A</sup> All data @ 25° ambient  
<sup>B</sup> In CS-ED fitting with 1000mA 86% efficient driver  
<sup>C</sup> 1000mA  
 \* To special order minimum quantity

(All values are typical unless stated)



# Venus 1000

13.3W LED light engine module for high output 75-100W MR16 type applications

Delivered Lumens: 845lm @ 3000K<sup>B</sup>

Luminaire lm/circW: 55lm/circW<sup>B</sup> @ 3000K

Typical CRI: Ra 83 @ 3000K

LED Power: 13.3W<sup>C</sup>

Mains Power: 15.5 circW<sup>B</sup>

Light Aperture Compatibility: 50mm

LED Type: 7 Cree XPG / 7 Lumileds Rebel ES



UK Part  
L1 & L2

Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	/VS1-1000	-80	-30 -27 -40 -65

Drivers: See Driver Table E

Colour Temperature	3000K	2700K*	4000K*	6500K*
Order Code	30	27	40	65
LED Module Luminous Flux	1034lm	972lm	1101lm	1178lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	845lm	794lm	899lm	963lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>30</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	700mA	700mA	700mA	700mA
Emergency Pack BLF	13.63%	13.63%	13.63%	13.63%

<sup>A</sup> All data @ 25° ambient

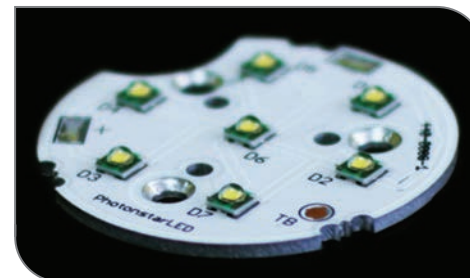
<sup>B</sup> In LS-F1 fitting with 700mA 86% efficient driver

<sup>C</sup> 700mA

\* To special order minimum quantity

(All values are typical unless stated)

# VS1-1000



Phaeton



Lorem



Cryos

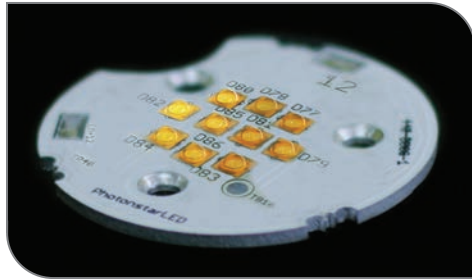


Tesla

# AR1-875

# Aries 875

10.7W LED light engine module for general 50W MR16 low glare type applications



Delivered Lumens: 765lm @ 3000K<sup>B</sup>  
 Luminaire lm/circW: 58lm/circW<sup>B</sup> @ 3000K  
 Typical CRI: Ra 83 @ 3000K  
 LED Power: 10.7W<sup>C</sup>

Mains Power: 12.4 circW<sup>B</sup>  
 Light Aperture Compatibility: 50mm  
 LED Type: 10 Cree XPE / XPE-HEW / Rebel ES



Ordering:	e.g. Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
	FITTING CODE	/AR1-875	-80	-30 -40 -27 -65

Drivers: See Driver Table E

Colour Temperature	3000K	4000K	2700K*	6500K*
Order Code	30	40	27	65
LED Module Luminous Flux	765lm	930lm	822lm	1667lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	446lm	814lm	719lm	934lm
Typical CRI (Ra)	Ra 83	Ra 86	Ra 83	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	5%	5%	5%	5%

<sup>A</sup> All data @ 25° ambient  
<sup>B</sup> In LS-F1 fitting with 700mA 86% efficient driver  
<sup>C</sup> 700mA  
 \* To special order minimum quantity

(All values are typical unless stated)

# Jupiter 1500

15W high efficiency LED light engine module for general  
2 x 13W low glare & 28W 2D type applications

Delivered Lumens: 1312lm @ 4000K<sup>B</sup>

Luminaire lm/circW: 75lm/circW<sup>B</sup> @ 4000K

Typical CRI: Ra 86 @ 4000K

LED Power: 15W<sup>C</sup>

Mains Power: 17.4 circW<sup>B</sup>

Light Aperture Compatibility: 80mm

LED Type: 14 Cree XPE-HEW/ 14 Lumileds Rebel ES



Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	<span style="background-color: green; color: white;">/JT1-1500</span>	-80	-40 -27 -30 -65

Drivers: See Driver Table C

Colour Temperature	3000K	2700K*	4000K*	6500K*
Order Code	30	27	40	65
LED Module Luminous Flux	1500lm	1316lm	1410lm	1710lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	1312lm	1150lm	1233lm	1495lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>30</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	9.28%	9.28%	9.28%	9.28%

<sup>A</sup> All data @ 25° ambient

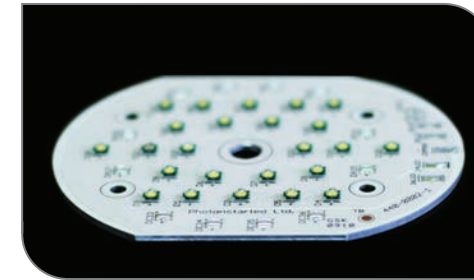
<sup>B</sup> In NS-LG fitting with 700mA 86% efficient driver

<sup>C</sup> 700mA

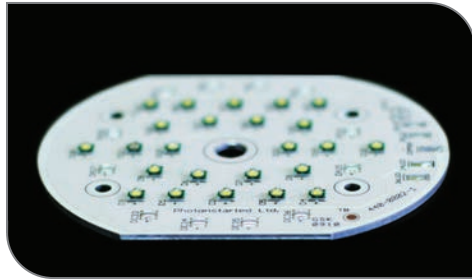
\* To special order minimum quantity

(All values are typical unless stated)

# JT1-1500



# JT1-1950



# Jupiter 1950

21.7W LED light engine module for general 2 x 18W low glare or 55W 2D type applications

Delivered Lumens: 1705lm @ 4000K<sup>B</sup>

Mains Power: 25.2 circW<sup>B</sup>

Luminaire lm/circW: 68lm/circW<sup>B</sup> @ 4000K

Light Aperture Compatibility: 80mm

Typical CRI: Ra 86 @ 4000K

LED Type: 14 Cree XPE-HEW/14 Lumileds Rebel ES

LED Power: 21.7W<sup>C</sup>



Ordering:	e.g. Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
	FITTING CODE	/JT1-1950	-80	-40 -27 -30 -65

Drivers: See Driver Table G

Colour Temperature	4000K	2700K*	3000K*	6500K*
Order Code	40	27	30	65
LED Module Luminous Flux	1950lm	1711lm	1833lm	2223lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	1705lm	1496lm	1603lm	1944lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	1000mA	1000mA	1000mA	1000mA
LEDs Drive Current	500mA	500mA	500mA	500mA
Emergency Pack BLF	7.14%	7.14%	7.14%	7.14%

<sup>A</sup> All data @ 25° ambient

<sup>B</sup> In NS-LG fitting with 1000mA 86% efficient driver

<sup>C</sup> 1000mA

\* To special order minimum quantity

(All values are typical unless stated)

# Jupiter 2150

21.4W high efficiency LED light engine module for general 2 x 18W low glare type applications

Delivered Lumens: 1874lm @ 4000K<sup>B</sup>

Luminaire lm/circW: 75lm/circW<sup>B</sup> @ 4000K

Typical CRI: Ra 86 @ 4000K

LED Power: 21.4W<sup>C</sup>

Mains Power: 24.8 circW<sup>B</sup>

Light Aperture Compatibility: 80mm

LED Type: 20 Cree XPE-HEW/ 20 Lumileds Rebel ES



UK Part  
L1 & L2

Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	 /JT1-2150	-80	-40 -27 -30 -65

Drivers: See Driver Table H

Colour Temperature	4000K	2700K*	3000K*	6500K*
Order Code	40	27	30	65
LED Module Luminous Flux	2143lm	1800lm	2015lm	2443lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	1874lm	1644lm	1761lm	2136lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>30</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	6.5%	6.5%	6.5%	6.5%

<sup>A</sup> All data @ 25° ambient

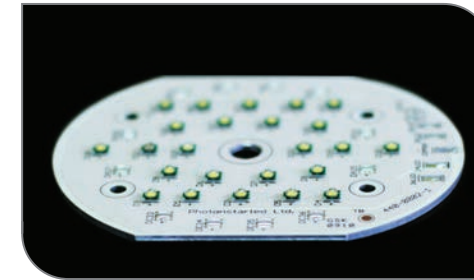
<sup>B</sup> In NS-LG fitting with 700mA 86% efficient driver

<sup>C</sup> 700mA

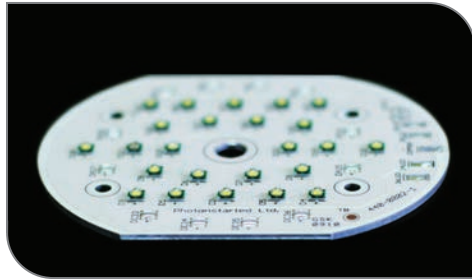
\* To special order minimum quantity

(All values are typical unless stated)

# JT1-2150



# JT1-2600



# Jupiter 2600

25.6W high efficiency LED light engine module for general  
2 x 26W low glare type applications

Delivered Lumens: 2248lm @ 4000K<sup>B</sup>

Mains Power: 29.8 circW<sup>B</sup>

Luminaire lm/circW: 75lm/circW<sup>B</sup> @ 4000K

Light Aperture Compatibility: 80mm

Typical CRI: Ra 86 @ 4000K

LED Type: 24 Cree XPE-HEW/24 Lumileds Rebel ES

LED Power: 25.6W<sup>C</sup>



Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE	<span style="background-color: red; color: white;"> </span> /JT1-2600	-80	-40 -27 -30 -65

Drivers: See Driver Table H

Colour Temperature	4000K	2700K*	3000K*	6500K*
Order Code	40	27	30	65
LED Module Luminous Flux	2572lm	2256lm	2418lm	2932lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	2248lm	1972lm	2113lm	2563lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	700mA	700mA	700mA	700mA
LEDs Drive Current	350mA	350mA	350mA	350mA
Emergency Pack BLF	5.4%	5.4%	5.4%	5.4%

<sup>A</sup> All data @ 25° ambient

<sup>B</sup> In NS-LG fitting with 700mA 86% efficient driver

<sup>C</sup> 700mA

\* To special order minimum quantity

(All values are typical unless stated)

# Jupiter 2800

31W LED light engine module for general 2 x 26W low glare type applications

Delivered Lumens: 2436lm @ 4000K<sup>B</sup>

Luminaire lm/circW: 68lm/circW<sup>B</sup> @ 4000K

Typical CRI: Ra 86 @ 4000K

LED Power: 31W<sup>C</sup>

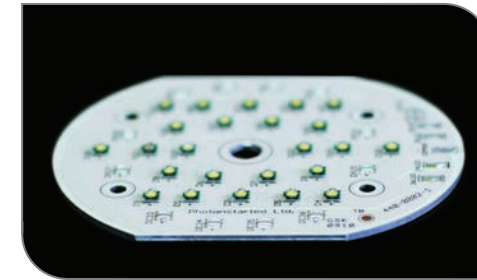
Mains Power: 36 circW<sup>B</sup>

Light Aperture Compatibility: 80mm

LED Type: 20 Cree XPE-HEW/ 20 Lumileds Rebel ES



# JT1-2800



Nemesis

Ordering:	e.g.	Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
		FITTING CODE			
			/JT1-2800	-80	-40 -27 -30 -65

Drivers: See Driver Table J

Colour Temperature	4000K	2700K*	3000K*	6500K*
Order Code	40	27	30	65
LED Module Luminous Flux	2786lm	2444lm	2619lm	3176lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	2436lm	2137lm	2290lm	2777lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>30</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	1000mA	1000mA	1000mA	1000mA
LEDs Drive Current	500mA	500mA	500mA	500mA
Emergency Pack BLF	5%	5%	5%	5%

<sup>A</sup> All data @ 25° ambient

<sup>B</sup> In NS-LG fitting with 1000mA 86% efficient driver

<sup>C</sup> 1000mA

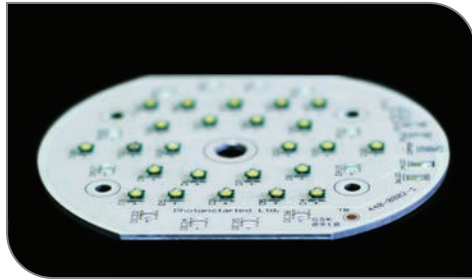
\* To special order minimum quantity

(All values are typical unless stated)

# JT1-3350

# Jupiter 3350

38.4W LED light engine module for general 2 x 32W low glare type applications



Delivered Lumens: 2923lm @ 4000K<sup>B</sup>

Mains Power: 44.7 circW<sup>B</sup>

Luminaire lm/circW: 68lm/circW<sup>B</sup> @ 4000K

Light Aperture Compatibility: 80mm

Typical CRI: Ra 86 @ 4000K

LED Type: 24 Cree XPE-HEW/24 Lumileds Rebel ES

LED Power: 38.4W<sup>C</sup>



Ordering:	e.g. Select Fitting + (see fitting page)	Light Engine	Min CRI	Colour Temp
	FITTING CODE	/JT1-3350	-80	-40 -27 -30 -65

Drivers: See Driver Table J

Colour Temperature	4000K	2700K*	3000K*	6500K*
Order Code	40	27	30	65
LED Module Luminous Flux	3343lm	2933lm	3143lm	3812lm
Delivered Lumens (L <sub>100</sub> ) <sup>B</sup>	2923lm	2564lm	2747lm	3332lm
Typical CRI (Ra)	Ra 83	Ra 83	Ra 86	Ra 80
CRI shift @ 6000hrs	<3	<3	<3	<3
CCT shift @ 6000hrs	3	3	3	3
Lifetime (L <sub>70</sub> F <sub>10</sub> ) <sup>AB</sup>	50,000hrs	50,000hrs	50,000hrs	50,000hrs
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9
Module Drive Current	1000mA	1000mA	1000mA	1000mA
LEDs Drive Current	500mA	500mA	500mA	500mA
Emergency Pack BLF	4.16%	4.16%	4.16%	4.16%

<sup>A</sup> All data @ 25° ambient

<sup>B</sup> In NS-LG fitting with 1000mA 86% efficient driver

<sup>C</sup> 1000mA

\* To special order minimum quantity

(All values are typical unless stated)