INLITE

# HERO + MRX SERIES

The HERO and MRX series of LED light sources adopts the latest advancements in LED technology from industry leaders such as Lumileds.
New developments such as Sunset DIM and Freedom from Binning™ are at the forefront of LED technology development and are introduced here in a series of products optimised to deliver performance from high system efficiency to high lumen package options.

# HERO SERIES

## CONSTANT COLOUR PROFESSIONAL SERIES

The Hero PRO series is a constant colour light source with high efficiency lensed optics to deliver optimal efficacy and precise beam control

### SUPER HERO PRO

18W 2700°K  1400lm
18W 3000°K  1480lm

20° / 26° / 38° / 54°

Ra80
Inital MacAdam <3

### HERO PRO

12W 2700°K  930lm
12W 3000°K  1019lm

20° / 26° / 38° / 54°

Ra80
Inital MacAdam <3

# MRX SERIES

## SUNSET DIM | CONSTANT COLOUR

The MRX series features constant colour and Sunset DIM light sources with hybrid mirror relfector optical assembly to replicate the aesthetic of a traditional halogen lamp

### MRX18 SSD

**Sunset DIM**
18W 2900°K  1180lm
40°
Ra80 / Inital MacAdam <3

### MRX13 SSD / MRX13 CC

**Sunset DIM**
13W 2900°K 820lm

**Constant Colour**
12W 3000°K  844lm
12W 4000°K  906lm
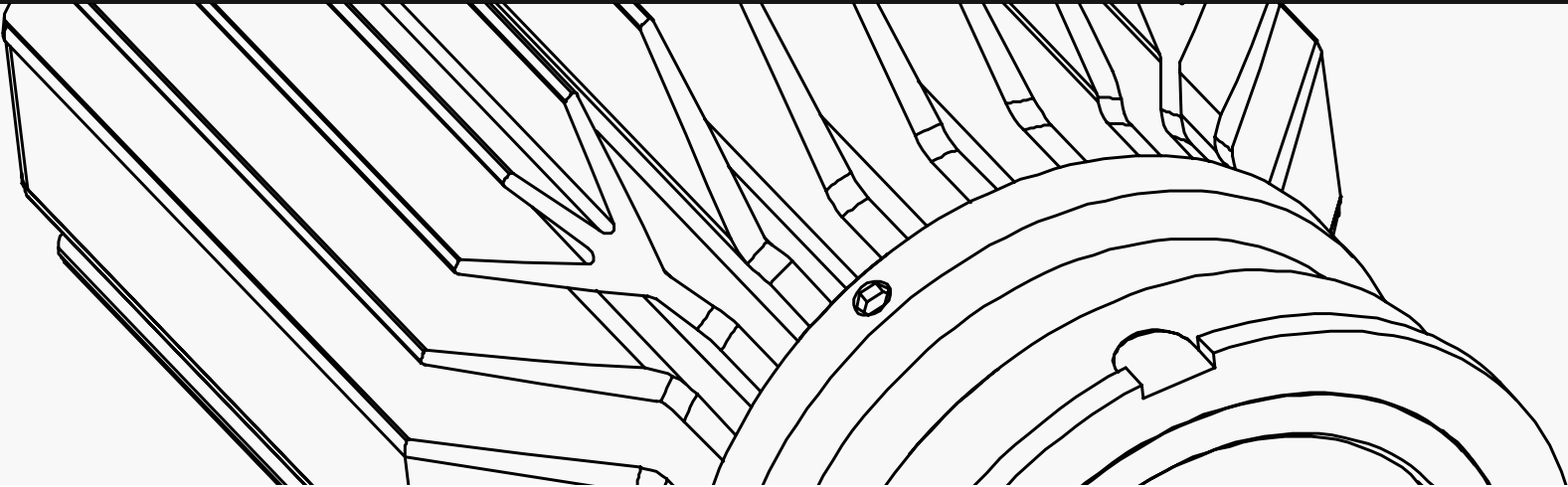
60°
Ra80 / Inital MacAdam <3

### MRX10 SSD

**Sunset DIM**
10W 2900°K  620lm
40° **/** 60°
Ra80 / Inital MacAdam <3

# SUPER HERO PRO

The Super Hero Pro LED lamp uses lensed Luxeon T and Luxeon TX LED chips, delivering 1135-1170lm at 650mA and up to 1450-1500lm at 850mA at Ra80+. Luxeon T and TX LED chips are 'binless,' meaning guaranteed colour consistency throughout the lifespan of the chip. Lensing ensures optimal efficiency of delivered lumens and a range of beam control options. Super Hero Pro is delivered with a Diginet LED power supply with a power factor of 0.95 and 4W of losses.

Diginet power supplies are designed in Australia specifically for compatability with Australian electrical installations and are available with phase or DALI control options. Power supplies includes a thermal monitoring system, which will cause the lamp to dim when ambient temperatures exceed 50 degrees, thus ensuring the 50 000hr product lifetime. Super Hero Pro comes with a standard 5 year product warranty.

# 18W
# 1480lm
# Ra80

**SUPER HERO PRO**
**14W 2700°K 20°**

**Delivered** 1135lm
**System** 18W 63lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**SUPER HERO PRO**
**14W 2700°K 26°**

**Delivered** 1186lm
**System** 18W 65lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**SUPER HERO PRO**
**14W 2700°K 38°**

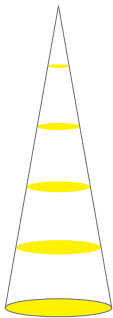**Delivered** 1103lm
**System** 18W 61lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**SUPER HERO PRO**
**14W 2700°K 54°**

**Delivered** 1080lm
**System** 18W 60lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

### 20°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 3551lx | 378 |
| 2.0m | 887lx | 756 |
| 3.0m | 394lx | 1134 |
| 4.0m | 222lx | 1512 |
| 5.0m | 142lx | 1890 |

### 38°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1282lx | 804 |
| 2.0m | 320lx | 1608 |
| 3.0m | 142lx | 2412 |
| 4.0m | 80lx | 3216 |
| 5.0m | 51lx | 4020 |

### 26°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1693lx | 700 |
| 2.0m | 423lx | 1400 |
| 3.0m | 188lx | 2100 |
| 4.0m | 105lx | 2800 |
| 5.0m | 67lx | 3500 |

### 54°
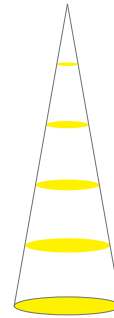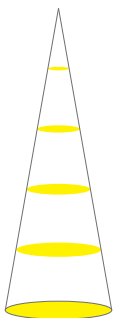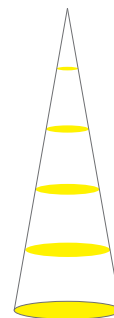
| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 767lx | 1081 |
| 2.0m | 191lx | 2162 |
| 3.0m | 85lx | 3242 |
| 4.0m | 48lx | 4325 |
| 5.0m | 30lx | 5407 |

**SUPER HERO PRO
14W 3000°K 20°**

**Delivered** 1150lm
**System** 18W 63lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**SUPER HERO PRO
14W 3000°K 26°**

**Delivered** 1323lm
**System** 18W 73lm/W
**Power Factor** λ  0.95
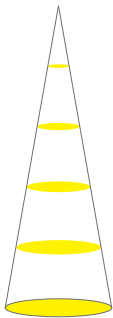**Output Current** 650mA

**SUPER HERO PRO
14W 3000°K 38°**

**Delivered** 1146lm
**System** 18W 63lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**SUPER HERO PRO
14W 3000°K 54°**

**Delivered** 1162lm
**System** 18W 65lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

### 20°

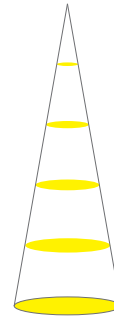| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 3712lx | 354 |
| 2.0m | 928lx | 708 |
| 3.0m | 412lx | 1063 |
| 4.0m | 232lx | 1417 |
| 5.0m | 148lx | 1772 |

### 38°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1452lx | 731 |
| 2.0m | 363lx | 1463 |
| 3.0m | 161lx | 2195 |
| 4.0m | 90lx | 2927 |
| 5.0m | 58lx | 3659 |

### 26°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 2068lx | 670 |
| 2.0m | 517lx | 1340 |
| 3.0m | 229lx | 2019 |
| 4.0m | 129lx | 2692 |
| 5.0m | 82lx | 3365 |

### 54°
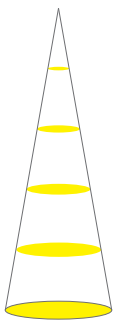
| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 893lx | 1027 |
| 2.0m | 223lx | 2055 |
| 3.0m | 99lx | 3083 |
| 4.0m | 55lx | 4111 |
| 5.0m | 35lx | 5139 |

# HERO PRO

The Hero PRO LED lamp uses lensed Luxeon T LED chips, delivering 930-1050lm at Ra80+. Luxeon T LED chips are 'binless,' meaning guaranteed colour consistency throughout the lifespan of the chip. Lensing ensures optimal efficiency of delivered lumens and a range of beam control options. Hero Pro is delivered with a Diginet LED power supply with a power factor of 0.95 and 4W of losses. Diginet power supplies are designed in Australia specifically for compatability with Australian electrical installations and are available with phase or DALI control options. Power supplies includes a thermal monitoring system, which will cause the lamp to dim when ambient temperatures exceed 50 degrees, thus ensuring the 50 000hr product lifetime. Hero Pro comes with a standard 5 year product warranty.

## 12W
## 1019lm
## Ra80

**HERO PRO**
**12W 2700°K 20°**

**Delivered** 925lm
**System** 16W 58lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**HERO PRO**
**12W 2700°K 26°**

**Delivered** 986lm
**System** 16W 55lm/W
**Power Factor** λ  0.95
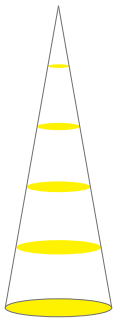**Output Current** 650mA

**HERO PRO**
**12W 2700°K 38°**

**Delivered** 958lm
**System** 16W 53lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**HERO PRO**
**12W 2700°K 54°**

**Delivered** ..Xlm
**System** 16W ..lm/W
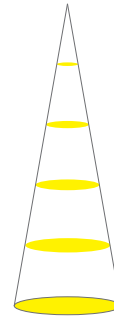**Power Factor** λ  0.95
**Output Current** 650mA

### 20°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 2852lx | 392 |
| 2.0m | 713lx | 784 |
| 3.0m | 316lx | 1177 |
| 4.0m | 178lx | 1569 |
| 5.0m | 114lx | 1961 |

### 38°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1082lx | 814 |
| 2.0m | 270lx | 1628 |
| 3.0m | 120lx | 2442 |
| 4.0m | 67lx | 3256 |
| 5.0m | 43lx | 4070 |

### 26°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1601lx | 649 |
| 2.0m | 400lx | 1298 |
| 3.0m | 177x | 1948 |
| 4.0m | 100lx | 2597 |
| 5.0m | 64lx | 3246 |

### 54°
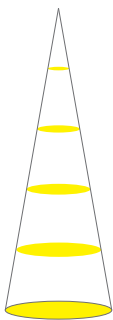
| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | ....lx | .... |
| 2.0m | ....lx | .... |
| 3.0m | ....lx | .... |
| 4.0m | ....lx | .... |
| 5.0m | ....lx | .... |

**HERO PRO**
**12W 3000°K 20°**

**Delivered** 1019lm
**System** 16W 63lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**HERO PRO**
**12W 3000°K 26°**

**Delivered** 1053lm
**System** 16W 65lm/W
**Power Factor** λ  0.95
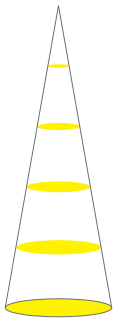**Output Current** 650mA

**HERO PRO**
**12W 3000°K 38°**

**Delivered** 1047lm
**System** 16W 65lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**HERO PRO**
**12W 3000°K 54°**

**Delivered** ..Xlm
**System** 16W ..lm/W
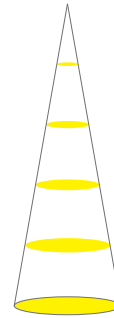**Power Factor** λ  0.95
**Output Current** 650mA

## 20°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 3399lx | 386 |
| 2.0m | 849lx | 773 |
| 3.0m | 377lx | 1160 |
| 4.0m | 212lx | 1547 |
| 5.0m | 136lx | 1934 |

## 38°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1171lx | 828 |
| 2.0m | 292lx | 1656 |
| 3.0m | 130lx | 2485 |
| 4.0m | 73lx | 3313 |
| 5.0m | 46lx | 414 |

## 26°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | 1644lx | 666 |
| 2.0m | 410lx | 1333 |
| 3.0m | 182lx | 2000 |
| 4.0m | 102lx | 2667 |
| 5.0m | 65lx | 3333 |

## 54°

| | Eavg(lx) | Ømm |
|---|---|---|
| 1.0m | ....lx | .... |
| 2.0m | ....lx | .... |
| 3.0m | ....lx | .... |
| 4.0m | ....lx | .... |
| 5.0m | ....lx | .... |

# MRX 18 | 13 | 10
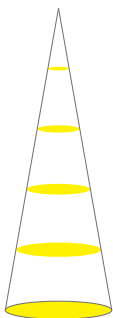
The MRX LED lamp with Sunset Dim functionality uses patented hybrid mirror reflector optics and combinations of Luxeon LED chips to deliver up to 1100lm at 850mA with Ra80+ in a package which follows the dimming curve of a traditional halogen lamp. As the lamp is dimmed, intensity and colour temperature of light is adjusted proportionately in order to deliver the functionality of halogen light sources ideal for hospitality and residential environments.

MRX is delivered with a Diginet LED power supply with a power factor of 0.95 and 4W of losses. Diginet power supplies are designed in Australia specifically for compatability with Australian electrical installations and are available with phase or DALI control options. Power supplies includes a thermal monitoring system, which will cause the lamp to dim when ambient temperatures exceed 50 degrees, thus ensuring the 50 000hr product lifetime. MRX comes with a standard 5 year product warranty.
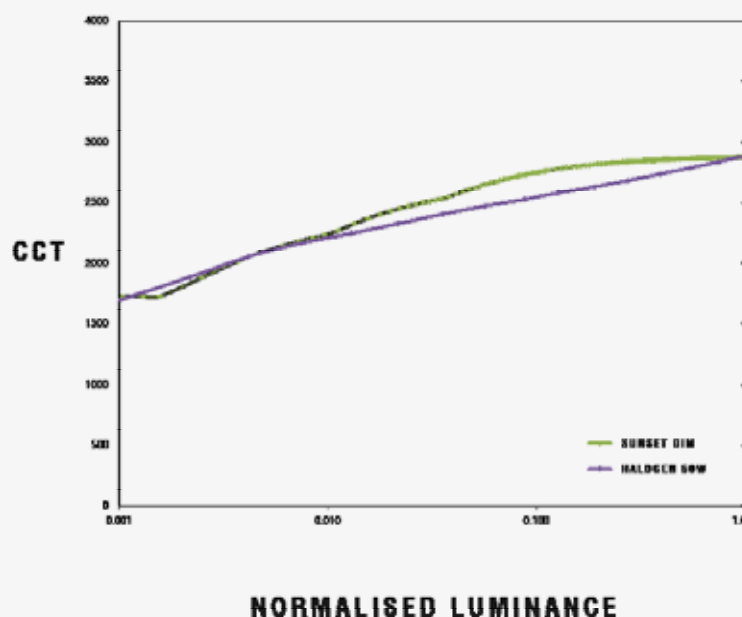
**10W**
**620lm**
**Ra80**

**13W**
**820lm**
**Ra80**

**18W**
**1100lm**
**Ra80**

# SUNSET DIM

## SUNSET DIM
### V
## 50W
## HALOGEN
## CCT CURVE



**CCT** / **NORMALISED LUMINANCE**

(Legend: SUNSET DIM, HALOGEN 50W)

Sunset DIM is patented technology which reduces both the luminous intensity and colour temperature of the light source when dimmed.

Colour temperatures range from 2900°K to 1800°K over the dimming range of 100% - 0%. This is achieved through the use of 3 different kinds of LED types (ultra high power density LED chips from premium chip manufacturer Lumileds) and 4 different LED colours for a consistent colour match to MR16 halogen light sources, while patented optics present the visual appearance of conventional MR16 halogen lamps.

In addition to this, phosphor conversion technology holds the CRI high throughout the brightness range and keeps the colour consistent across a wide range of operating temperatures. "Step-less" colour changing delivers a smooth and continuous change of colour throughout the brightness range, consistently from 100% down to 0% of maximum intensity.

Sunset DIM operates with conventional phase control or DALI control gear from Diginet.

Sunset DIM is employed in the Hero MR LED source, ensuring both the visual appearance and functionality of the traditional halogen reflector lamp.

**MRX18 SSD**
**18W 2900°K 40°**

**Delivered** 1100lm
**System** 23W 48lm/W
**Power Factor** λ  0.95
**Output Current** 850mA

**MRX13 SSD**
**13W 2900°K 40°**

**Delivered** 820lm
**System** 17W 48lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**MRX13 CC**
**13W 3000°K 60°**

**Delivered** 844lm
**System** 17W 49lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**MRX13 CC**
**13W 4000°K 60°**

**Delivered** 906lm
**System** 17W 53lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**MRX10 SSD**
**10W 2900°K 40°/ 60°**

**Delivered** 620lm
**System** 12W 51lm/W
**Power Factor** λ  0.95
**Output Current** 650mA

**IN**LITE