



# SkylineELITE

## Asymmetric/Symmetric LED Floodlight

Designed and engineered in the UK specifically to meet the requirements for sports lighting and to reduce light pollution levels. The Skyline Elite is a high specification floodlight with a 70,000 hour lifespan, 5 year guarantee and one year on site warranty.



**80W**  $\equiv$  **250W** **MH/SON** Energy Saving **68%**

**150W**  $\equiv$  **400W** **MH/SON** Energy Saving **63%**

**240W**  $\equiv$  **600W** **MH/SON** Energy Saving **60%**



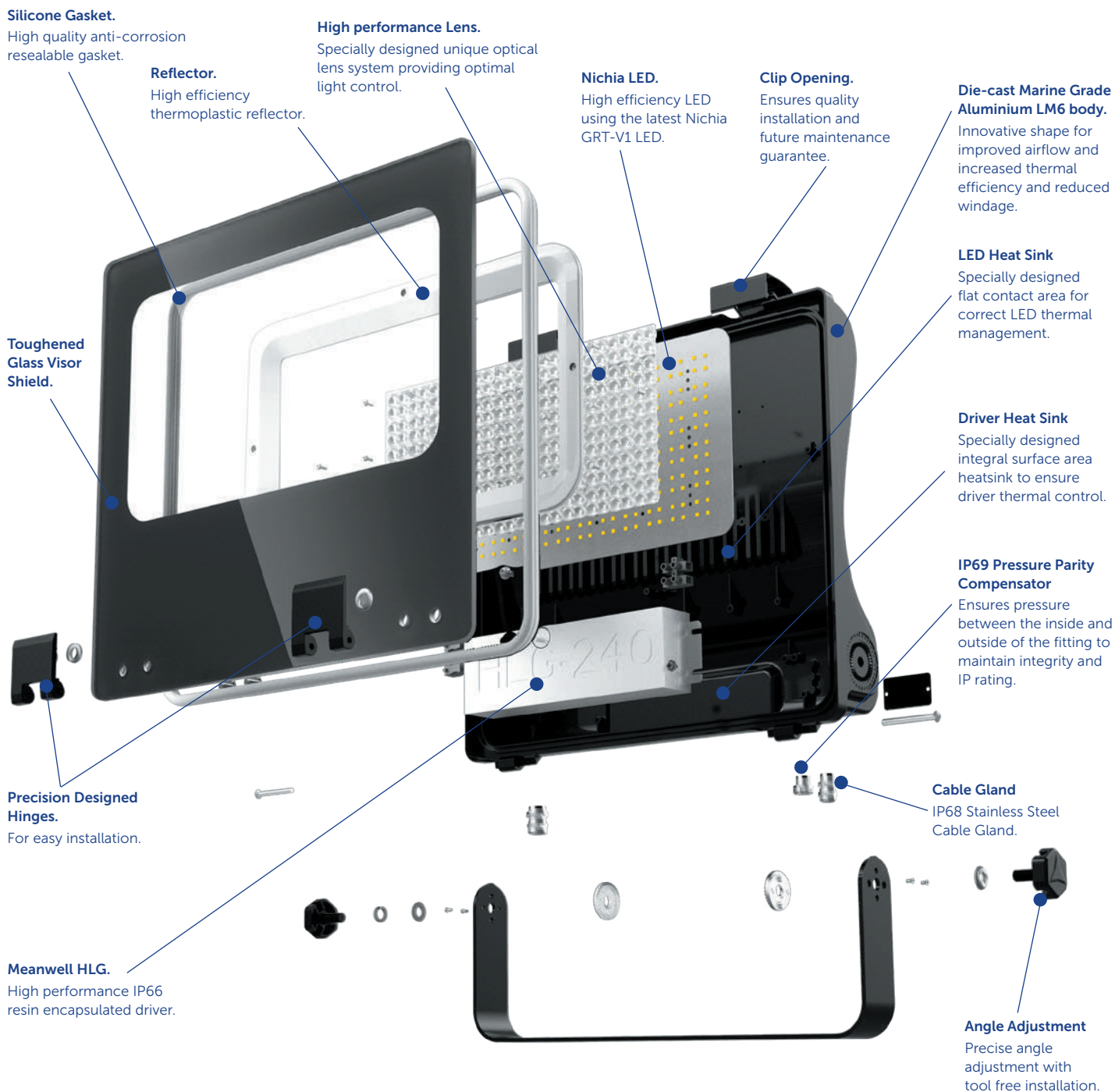
- Genuine replacement for 250/400/600W Metal Halide/ Sodium Floodlight
- Perfect for sports, building facade's, landscape, security & car park lighting
- Asymmetric distribution, low light pollution\*
- Up to 133 lm/W
- Surge protected up to 10,000 volts (250/240W) for lighting protection
- Cool White
- Aerodynamic, streamlined design for reduced windage

- Fully encapsulated IP66 TUV certified driver
- Nichia GRT-V1 LED / Meanwell Driver
- Long life 70,000 hours (L80 B10 @ 25° C)
- IK08 Impact Rating
- Robust construction IP66
- Standard universal mounting bracket
- Supplied pre-flexed (1.5M), tool free entry and construction for simple and quick installation

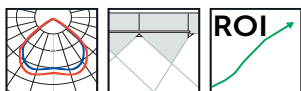


# SKYLINEELITE

## Asymmetric/Symmetric LED Floodlight



Contact BELL Technical Helpline for advice on compatible columns and correct mounting height.




<sup>1</sup> Exceeds EU standard of 70 for Lumens Maintenance Ratio  
<sup>2</sup> Exceeds EU standard of RA 80 for Colour Rendering Index  
<sup>3</sup> Subject to terms & conditions (Contact Customer Service)  
 \* Asymmetric version

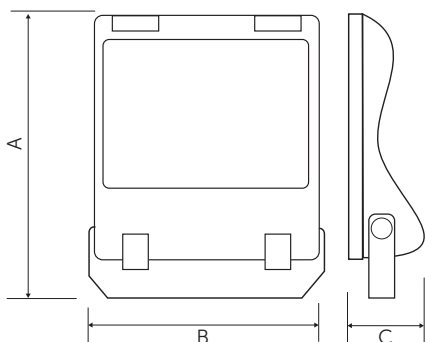


# Asymmetric/Symmetric LED Floodlight

## Technical Specification

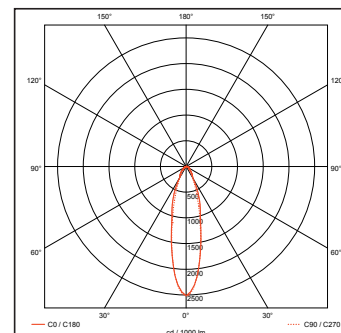
Data	
<b>Construction</b>	Polyester coated die-cast LM6 Marine Grade aluminium & toughened safety glass
<b>Driver</b>	Meanwell  /HLG
<b>LED Chip</b>	Nichia GRT-V1
<b>IP Rating</b>	IP66
<b>Operating Temp</b>	-30°C to +35°C
<b>Input Voltage</b>	100 - 264V
<b>Power Factor</b>	> 0.9
<b>CRI</b>	85 - Exceeds EU standard of Ra 80 for Colour Rendering Index
<b>LMR</b>	80 - Exceeds EU standard of 70 for Lumens Maintenance Ratio
<b>ECA Compliant</b>	Yes
<b>Windage</b>	80W 0.1M <sup>2</sup> / 150W 0.12M <sup>2</sup> / 240W 0.2M <sup>2</sup>
<b>Weight</b>	80W - 4.6Kg / 150W - 6.8Kg / 240W - 8.9Kg

\* All BELL Lighting luminaires are rated L80 B10, so for a 50,000 hour product. L80B10 at 50,000 hours our fittings will still have 80% of initial lumen, only 10% of fittings will fail to achieve this.

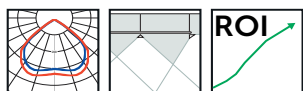


	80W	150W	240W
<b>A</b>	360mm	325mm	418mm
<b>B</b>	265mm	413mm	452mm
<b>C</b>	82mm	83mm	87mm

08856 150W 30° Projector



Code	V	W	Description	Lm	Temp	lm/W	Peak Intensity	Hours
08850	110-264	80	80W Skyline Elite Symmetric Flood Light IP66	10000	4000	125	1332	70000
08851	110-264	80	80W Skyline Elite Asymmetric Flood Light IP66	10000	4000	125	499	70000
08852	110-264	80	80W Skyline Elite 30° Flood Light IP66	10000	4000	125	2562	70000
08853	110-264	80	80W Skyline Elite 15° Flood Light IP66	10000	4000	125	5006	70000
08854	110-264	150	150W Skyline Elite Symmetric Flood Light IP66	20000	4000	133	1315	70000
08855	110-264	150	150W Skyline Elite Asymmetric Flood Light IP66	20000	4000	133	481	70000
08856	110-264	150	150W Skyline Elite 30° Flood Light IP66	20000	4000	133	2513	70000
08857	110-264	150	150W Skyline Elite 15° Flood Light IP66	20000	4000	133	4800	70000
08858	110-264	240	240W Skyline Elite Symmetric Flood Light IP66	30000	4000	125	1339	70000
08859	110-264	240	240W Skyline Elite Asymmetric Flood Light IP66	30000	4000	125	502	70000
08860	110-264	240	240W Skyline Elite 30° Flood Light IP66	30000	4000	125	1567	70000
08861	110-264	240	240W Skyline Elite 15° Flood Light IP66	30000	4000	125	4587	70000



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# Light Pollution

## What is light pollution?

Most of us are familiar with air, water, and land pollution, but did you know that light can also be a pollutant?

The inappropriate or excessive use of artificial light – known as light pollution – can have serious environmental consequences for humans, wildlife, and our climate. Components of light pollution include:

**Glare** – excessive brightness that causes visual discomfort.

**Skyglow** – brightening of the night sky over inhabited areas, also known as upward light ratio (ULR).

**Light trespass** – light falling where it is not intended.

**Clutter** – bright, confusing and excessive light sources.

Light pollution is a side effect of industrial civilization. Its sources include building exterior and interior lighting, advertising, commercial properties, offices, factories, street lights and illuminated sporting venues.

The fact is that much of the outdoor lighting used at night is inefficient, overly bright, poorly targeted, improperly shielded, and, in many cases, completely unnecessary. This light, and the electricity used to create it, is being wasted by spilling it into the sky, rather than focusing it on to the actual objects.

Modern society requires outdoor lighting for a variety of needs, including safety and commerce. The Institute of Lighting Engineers recognises this but advocates that any

required lighting be used wisely. To minimise the harmful effects of light pollution, lighting should:

**Only be on when needed / Only light the area that needs it / Be no brighter than necessary / Minimise blue light emissions / Be fully shielded (pointing downward).**

The transition from sodium to LED exterior lighting over recent years appears to have made global light pollution worse not better, scientists have reported.

The findings are certain to increase the pressure on the lighting industry to take light pollution seriously and improve the optics and upward light control.

**BELL LED Asymmetric Floodlights minimise light pollution.**

Skyline Elite Asymmetric floodlights have been designed and developed to meet the strict requirements for a range of sports and area lighting applications.

Specifically designed to control obtrusive light, a precision lensing system ensures a tight beam pattern, reducing overspill upwards light and directing light only where it is needed.

BELL lighting is constantly striving towards reducing light skyglow (ULR), and the Skyline Elite Floodlight is at the forefront of this pollution reducing technology.

