

THORN

LIGHTING

DARKSKY INTERNATIONAL FIXTURE SEAL OF APPROVAL

CERTIFICATE OF CONFORMITY

AVENUE



To achieve the DarkSky Approved seal of approval for Commercial Luminaires, the following strict requirements have been achieved:

- Luminaires may have maximum percentage of total luminaire lumens, or maximum lumen amounts, allowed between 90 and 180 degrees above nadir, inclusive (i.e., LCS zones UL and UH combined):
 - Luminaires emitting 1,000 lumens or less: A maximum of 5 lumens total is allowed
 - Luminaires emitting more than 1,000 lumens: No more than 0.5 % of the total luminaire lumen output is allowed, up to a maximum of 50 lumens
- Symmetrical light distributions, such as RS and RSC, may have 5 % max of total lumen output between 80 degrees and 90 degrees from nadir (i.e. LCS zones FVH and BVH combined), or asymmetrical distributions may have 3 % max
- Luminaires with adjustment mechanisms that allow an upward tilt angle are not permitted
- Luminaires with >500 lm must have a dimming capability of 10 % of full output
- Luminaires shall have a maximum CCT of 3000 K
- Luminaires must have safety certification by an independent laboratory
- Luminaires must have a pre- or post-installation shielding option, such as external or internal louvers



DarkSky
Approved

Commercial
Luminaire

DARKSKY APPROVED

DarkSky International is recognised as the global authority on light pollution and is the leading organisation combating this issue worldwide.

The DarkSky Approved seal is a highly regarded accreditation for manufacturers. The process to achieve this accreditation reviews key features and benefits of a luminaire, its fundamental design and deep dive analysis of photometric data to ensure the product meets strict requirements to limit light pollution.

Please see the product brochure and configuration guide for more information on which product variants meet the DarkSky Approved criteria.