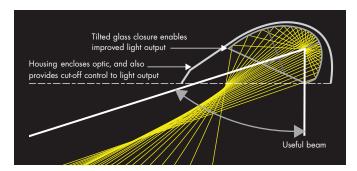
Champion (2000W MH)

THORN

Our number one solution to floodlighting small sports stadia and general areas where the control of obtrusive light is critical

- Asymmetric floodlight for 2 kW lamps, incorporating an innovative design concept which takes the performance of asymmetric floodlights to the next level
- Champion combines many of the performance features of classic 'projectors' (high levels of light output) with those of 'flat glass' projectors (control of obtrusive Light)
- Instead of having a true 'flat glass' construction, which can limit the efficiency of a flood light, Champion's front glass is inclined inside the floodlight
- The front of the body acts as a cowl for full-cut-off and provides a 'virtual' light emitting surface which remains parallel to the ground
- The optical design of Champion is unique and sets new standards for providing 'on-pitch' performance whilst minimising the number of flood lights required and the contributions to obtrusive light
- Each lamp option has a minimum of 4 lamp positions, adjustable on-site, to provide different photometries from just one installed position

- Excellent color appearance and color rendering can be achieved through the use of Metal Halide lamps*
- Excellent glare control is provided through Champion's unique optical construction
- Additional accessories for increased control of obtrusive light available
- The inherent design features of Champion make installation and maintenance both simple and safe
- A simple 'aiming sight' is supplied with each floodlight to enable aiming in azimuth











THORN



Accessories/Attachments

- Lux Guillotine (front and sides)
- Lux Guillotine (rear) also known as 'adjustable visor'
- Wire guard
- Reverse mounting Yoke (required for certain mounting positions)

Materials/Finish

Body: copper free die-cast aluminum (ENAB 44300), unpainted Glass: 0.16" tempered. Screws: stainless steel.

Installation/Mounting

Rear access to lamp. Automatic power interruption on opening of rear access door. Yoke fixed by M20 bolt through 0.86" diameter hole, or through 0.59" diameter holes. Ballast and capacitors to be mounted separately.

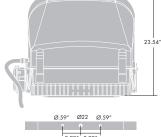
Specification

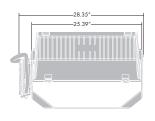
To specify state: copper free die cast aluminum asymmetric floodlight for 2kW lamps, IP66 rated, rear lamp access, adjustable lamp position with internally inclined front glass and integral front cowl. As Thorn Champion.

Certification

Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.







Cd / 1000 lm

1800

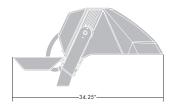
1.500

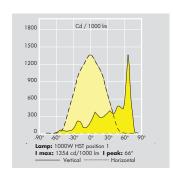
1200

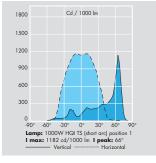
900

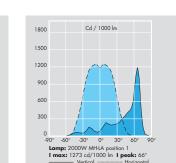
600

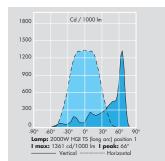
300

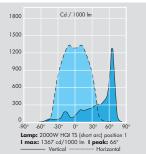


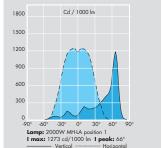






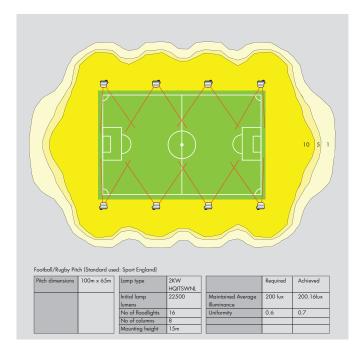


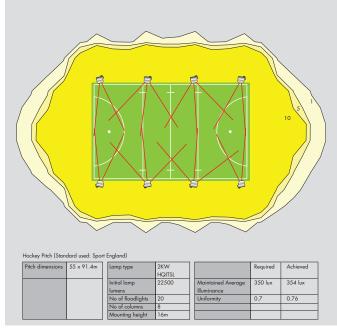


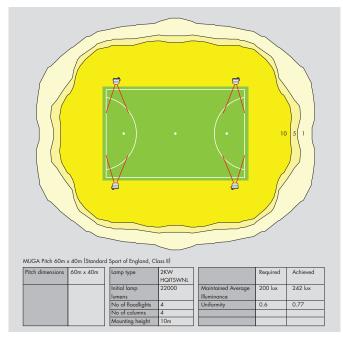


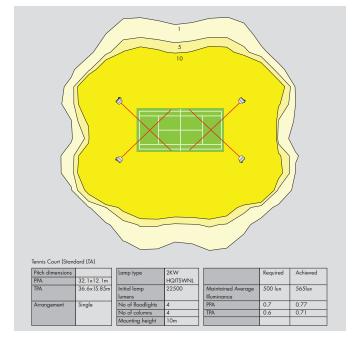
Lamp: 1000W MH-LA position 1 I max: 1255 cd/1000 lm I peak: 68°

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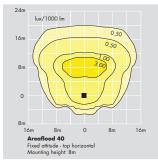


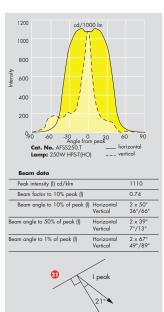


Ordering Guide THORN

New Description		Socket	Weight (kg)	SAP Code
Champion floodlight with internal ignitor				
CHAMPION 1KW HST E40 WI	ALL	E40	20.6	96012471
CHAMPION 1KW HQI - TSS OS WI	FOR OSRAM (SHORT ARC) LAMP	CABLE	20.6	96012473
CHAMPION 1KW MHN - LA PH WI	FOR PHILIPS (LONG ARC) LAMP	CABLE	20.6	96012474
CHAMPION 2KW HQI - TSL OS WI	FOR OSRAM (LONG ARC) LAMP	CABLE	20.6	96012475
CHAMPION 2KW HQI - TSS OS WI	FOR OSRAM (SHORT ARC) LAMP	CABLE	20.6	96012476
CHAMPION 2KW MHN - LA PH WI	FOR PHILIPS (LONG ARC) LAMP	CABLE	20.6	96012477
Champion hot restrike floodlight with internal ignitor				
CHAMPION HR 1KW HQI - TSS OS WI	FOR OSRAM (SHORT ARC) LAMP	CABLE	24.6	96012478
CHAMPION HR 2KW HQI - TSS OS WI	FOR OSRAM (SHORT ARC) LAMP	CABLE	24.6	96012479
Accessories				
CHAMPION WG	WIRE GUARD		1.8	96012480
CHAMPION REVERSE YOKE	REVERSE YOKE ACCESSORY		4.4	96012481
CHAMPION AJ VS FRONT	ADJUSTABLE FRONT AND SIDE VISOR		1.7	96012482
CHAMPION AJ VS REAR	ADJUSTABLE REAR VISOR		0.9	96012483

Floodlight Data





- This data is for floodlighting design.
- Intensity curve
 Multiply the intensity by F/1000,
 where F is the bare lamp lumens
 for the intensity in candelas.
 The solid curve denotes the
 intensity in the horizontal plane.
 The dashed line denotes the
 intensity in the vertical plane,
 positive angles are above the
 peak intensity.

- Section of luminaire
 The direction of the peak
 intensity is shown relative to the
 normal at the centre of the front
 glass.
- Beam data
 The beam is the cone of light from the spotlight that is bounded by a luminous intensity that is a fixed percentage of the peak intensity.
- Peak intensity
 Values shown are absolute based on lamp lumens from manufacturer.
- Beam factor to 10% peak intensity.
 The ratio of the flux contained within the beam to 10% peak intensity divided by the total lamp flux.
- Beam angle to a percentage of peak intensity. The horizontal angle is doubled because the angle is either side of the central peak intensity. The first vertical angle is above the peak intensity and the second vertical angle is below the peak.

