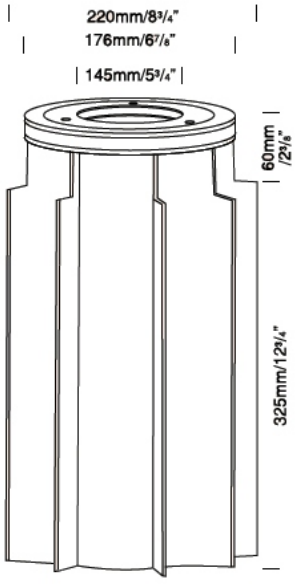
SafeTouch™ 50

Cat. No ST50

The SafeTouch™ 50 inground luminaire has been specifically designed with ultimate public safety as its primary objective. It produces optically pure light, but operates with cool lens temperatures, low energy consumption and minimal maintenance. This luminaire is extremely tough, durable and waterproof, making it ideal for installation in public spaces, large-scale projects and residential areas. The ST50 luminaire is available in Metal Halide and Halogen versions.



Max Lens Temperatures

20watt Metal Halide: 54.0°c (129.0°f)
35watt Metal Halide: 62.5°c (144.0°f)
45watt Halogen IRC: 65.0°c (149.0°f)

Ordering Information

Luminaire Type

ST50 - SafeTOuch™

Flange Option

BZ - Bronze
SS - 316 Stainless Steel Machined
SSP - 316 Stainless Steel Polished

Reflector Angles

2 x 6^0 (12^0)
2 x 18^0 (36^0)
2 x 30^0 (60^0)

Ordering Example ST50/BZ/PGJ5 35/60 - SafeTOuch™ 35watt Metal Halide with 60^0 reflector, Bronze flange.

Lamp Option

GU5.3 20, 35, 45 watt IR Halogen Lamp
PGJ5 20 or 35 watt Ceramic MH Lamp

Accessories

ST50AL - Asymmetric Lens
ST50AS - Anti Slip Lens
CJK150 - Cable Joint Kit
ST50HCR - Hex Cell Louver
ST50FL - Frosted Lens
Colour Filters, Red Yellow Blue, Green

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Ver 1.4

Luminaire Construction

Body:

Cast from virgin high corrosion resistant very low copper (.001%) aluminium alloy, with chromate substrate, epoxy water resistant layer and high UV resistant polyester powder coat top layer.

Colour:

Black canister.

Flanges:

The flange is attached to the body by three 316 stainless steel allen head anti vandal screws with anti gall threaded inserts and is machined from either solid bronze or 316 stainless steel.
Solid bronze -175mm x 6mm (6⅞" x ¼").
316 stainless steel - 175mm x 6mm (6⅞" x ¼").

Mounting

The SafeTouch™ 50 is supplied with self adjusting heat dissipating mounting canister for casting in the ground or in concrete. Maximum drive over speed 10 kp/h (6mph) and maximum weight is 2000kg (4400lbs).

Features

Lens:

12mm (½") 'Flush Fit' extra clear low iron tempered shatter resistant glass.
Life Time Warranty.

Gasket:

Moulded Silicone 220^{0}c (428^{0}f)

Lamp Holders:

GU5.3 350^{0}c (662^{0}f) ceramic multi contact lamp holder with 250^{0}c (480^{0}f) teflon cables.
PGJ5 250^{0}c (480^{0}f) ceramic multi contact lamp holder with 250^{0}c (480^{0}f) teflon cables.

Accessories:

Cable Joint Kit (Cat. CJK150)
Frosted Lens (Cat. ST50FL)
Hex Cell Louver (Cat. ST50HCR)
Anti-Slip lens (Cat ST50AS)
Asymmetric Lens (ST50AL)
Colour Filters, Red, Yellow, Blue, Green.

Flange Finish:

Bronze, Polished & Machine finished 316 stainless steel.

Anti-Syphon™:

Supply (input) cable moisture ingress barrier protection system.

Moisture Control:

Desiccant Sachet

Gimble Adjustment:

20^0 tilt with position lock.
360^0 rotation position with lock.

Reflector Angles:

2 x 6^0 (12^0)
2 x 18^0 (36^0)
2 x 30^0 (60^0)

Electronic Ballast:

Increases lamp life by 30%.
Low operating temperature.
Low energy usage.
Potted.

Standards

BS/EN 60598.2.2
IP67
UL 1598

Luminaire Weight

ST50 5.7kg (12.5lbs)

Power Supply

Electronic Metal Halide Ballast, Potted.
Input voltage: 220-240v AC 50Hz
COS 0.98
Safety EN60926 /EN60928 / VDE 0712 / 14,22
Harmonics EN61000-3-2
Immunity EN61547
Performance EN60927 / EN60929

HUNZA™ Electronic Transformer (halogen) Input voltage: 220-240v AC 50 Hz. COS 0.98
Safety EN61046
EMC EN55015
EN 61046
Z 246
VO4156

USA and Canada:

Electronic Metal Halide Ballast:
120v AC 50/60 Hz.
20w ANSI M175
39w ANSI M130

Luminaire: supplied with

GU5.3 20, 35, 45 watt IR Halogen Lamp.
PGJ5 20 or 35 (USA 39) watt Ceramic Metal Halide Lamp.

Maximum Lens Operation Temperatures:

20watt Metal Halide: 54.0°c (129.0°f)
35watt Metal Halide: 62.5°c (144.0°f)
45watt Halogen IRC: 65.0°c (149.0°f)

Note: Luminaires are tested in 39°C dry sand for a period of 8 hours. Temperature reading is taken at the centre of the lens.

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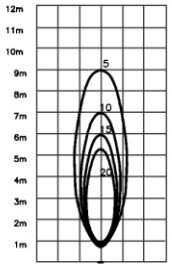
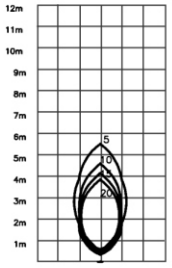
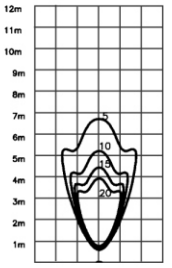
20 watt Metal Halide
12º Beam PGJ5
1650 Lumens
I-Max = 7460 cd



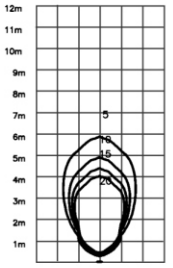
20 watt Metal Halide
Asymmetric Lens
12º Beam PGJ5
1650 Lumens
I-Max = 5150 cd
I-Max @ Zenith -300



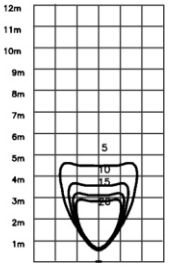
20 watt Metal Halide
36º Beam PGJ5
1650 Lumens
I-Max = 3120 cd



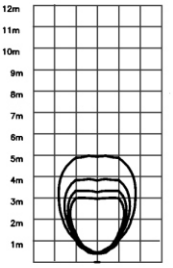
20 watt Metal Halide
Asymmetric Lens
36º Beam PGJ5
1650 Lumens
I-Max = 2668 cd
I-Max @ Zenith –27.50



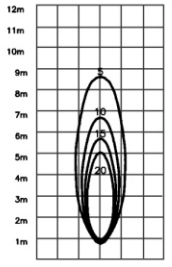
20 watt Metal Halide
60º Beam PGJ5
1650 Lumens
I-Max = 1161 cd



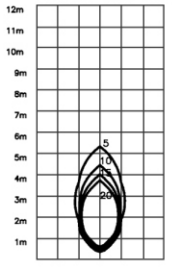
20 watt Metal Halide
Asymmetric Lens
60º Beam PGJ5
1650 Lumens
I-Max = 745 cd
I-Max @ Zenith –42.50



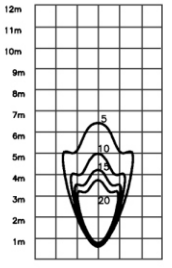
20 watt Metal Halide
IR Filters Fitted
12º Beam PGJ5
1650 Lumens
I-Max = 6876 cd



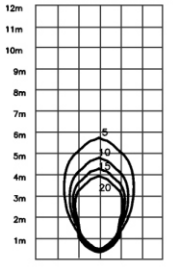
20 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
12º Beam PGJ5
1650 Lumens
I-Max = 4635 cd
I-Max @ Zenith -300



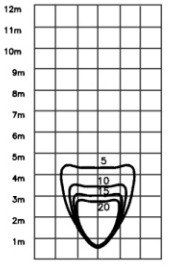
20 watt Metal Halide
IR Filters Fitted
36º Beam PGJ5
1650 Lumens
I-Max = 2668 cd



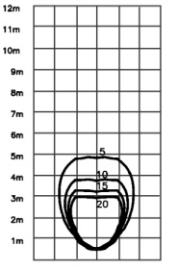
20 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
36º Beam PGJ5
1650 Lumens
I-Max = 2400 cd
I-Max @ Zenith –27.50



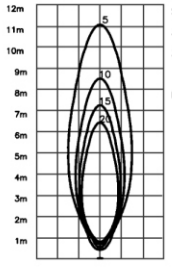
20 watt Metal Halide
IR Filters Fitted
60º Beam PGJ5
1650 Lumens
I-Max = 1045 cd



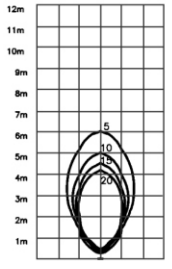
20 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
60º Beam PGJ5
1650 Lumens
I-Max = 670 cd
I-Max @ Zenith –42.50



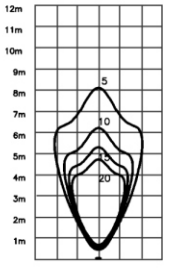
35 watt Metal Halide
12º Beam PGJ5
3000 Lumens
I-Max = 15192 cd



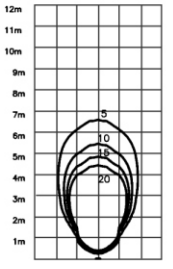
35 watt Metal Halide
Asymmetric Lens
12º Beam PGJ5
3000 Lumens
I-Max = 6678 cd
I-Max @ Zenith –32.50



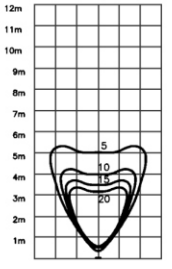
35 watt Metal Halide
36º Beam PGJ5
3000 Lumens
I-Max = 6219 cd



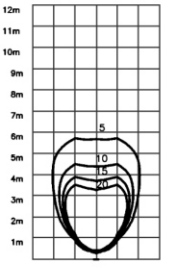
35 watt Metal Halide
Asymmetric Lens
36º Beam PGJ5
3000 Lumens
I-Max = 3963 cd
I-Max @ Zenith –32.50



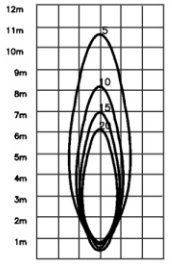
35 watt Metal Halide
60º Beam PGJ5
3000 Lumens
I-Max = 1780 cd



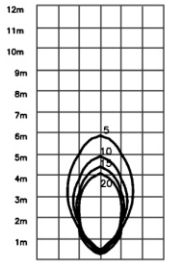
35 watt Metal Halide
Asymmetric Lens
36º Beam PGJ5
3000 Lumens
I-Max = 1191 cd
I-Max @ Zenith –27.50



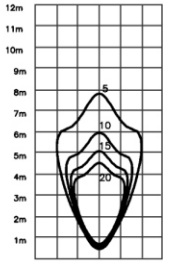
35 watt Metal Halide
IR Filters Fitted
12º Beam PGJ5
3000 Lumens
I-Max = 13670 cd



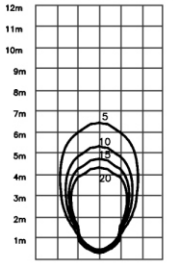
35 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
12º Beam PGJ5
3000 Lumens
I-Max = 6010 cd
I-Max @ Zenith –32.50



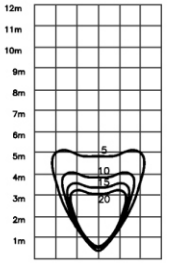
35 watt Metal Halide
IR Filters Fitted
36º Beam PGJ5
3000 Lumens
I-Max = 5590 cd



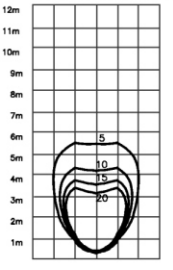
35 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
36º Beam PGJ5
3000 Lumens
I-Max = 3560 cd
I-Max @ Zenith –32.50



35 watt Metal Halide
IR Filters Fitted
60º Beam PGJ5
3000 Lumens
I-Max = 1600 cd



35 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
60º Beam PGJ5
3000 Lumens
I-Max = 1070 cd
I-Max @ Zenith - 27.50



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