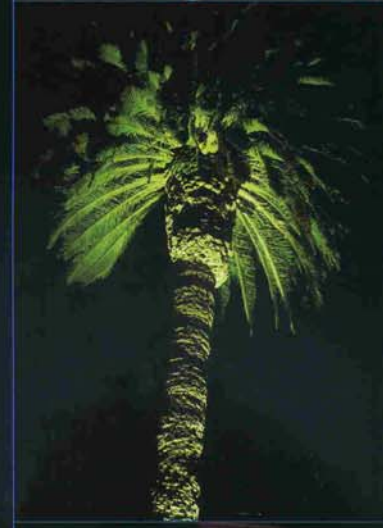


ST50/ST150



SafeTouch™
Architectural
INGROUND LUMINAIRES



**SafeTouch™**
Architectural
INGROUND LUMINAIRES

Hunza SafeTouch™ inground luminaires have been designed and developed not only to produce optically pure light but also to achieve the lowest possible operating temperatures and energy consumption.

Public safety is the primary objective in the construction of SafeTouch™ luminaires. A innovative, new mounting canister substantially increases heat transfer into the ground rather than the luminaire, allowing all exposed surfaces to operate at the coolest possible temperature, greatly improving public safety. The mounting canister provides solid and secure fixing for the luminaire as well as an effortless installation system for the contractor.



Energy conservation is paramount. SafeTouch™ luminaires feature the exclusive use of electronic ballasts and transformers which produce minimal heat with maximum energy efficiency and reliability. Electronic ballasts deliver 30% longer lamp life and have a significantly better 'end of life' control of the lamp compared with magnetic ballasts.

The SafeTouch™ range offers many choices of light source, including metal halide, mini white son (sodium) and halogen. Accessories include colour filters, asymmetric lenses, non-slip lenses, frosted lenses and hex cell louvres.



ST50

Luminaire Construction

Body:

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

Colour:

Black.

Flanges:

The flange is attached to the 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 (6 7/8" x 1/4").

316 stainless steel - 175mm x 6mm (6 7/8" x 1/4").

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 (1/2") 'Flush Fit' extra clear low iron tempered shatter resistant glass.

Gasket:

Moulded Silicone 220°C (428°F)

Lamp Holders:

GU5.3 350°C (662°F) ceramic multi contact lamp holder with 250°C (480°F) teflon cables.

PGJ5 250°C (480°F) ceramic multi contact lamp holder with 250°C (480°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.

Anti-Syphon™:

Supply (input) cable moisture ingress barrier protection system.

Moisture Control:

Desiccant Sachet

Gimble Adjustment:

20° Tilt with position lock.

360° rotation position with lock.

Reflector Angles:

2 x 5° (10°)

2 x 18° (36°)

2 x 40° (80°)

Electronic Ballast:

Increases lamp life by 30%.

Low operating temperature.

Low energy usage.

Potted.

Standards

IP67 BS/EN 60598.2.2

Luminaire Weight

ST50 5kg (11lb)

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: 220-240 v AC 50 Hz. COS 0.98

Safety EN61046

EMC EN55015

EN 61046

Z 246

VO4156

220mm/5⁵/₈"

176mm/6⁷/₈"

145mm/5³/₄"

60mm
/2³/₈"

325mm/12³/₄"



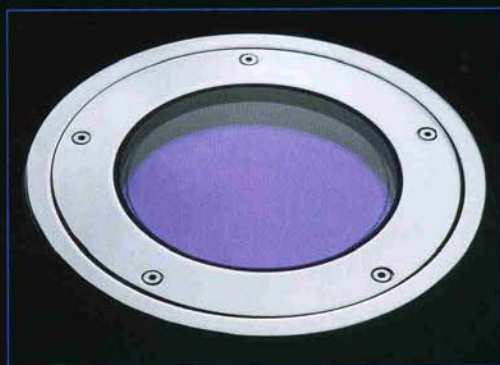
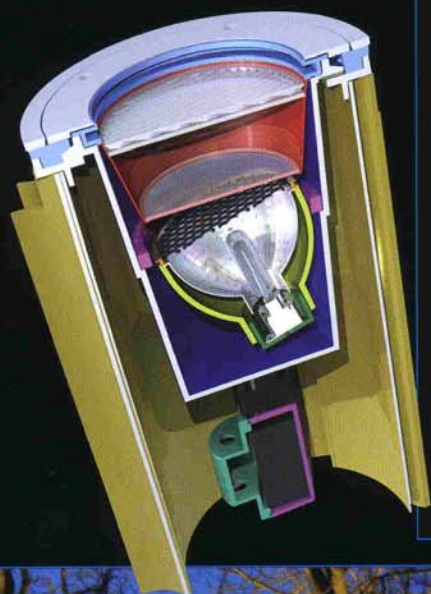
Lamp Options:

GU5.3 20, 35, 50 watt IR Halogen Lamp.

PGJ5 20 or 35watt ceramic Metal Halide Lamp

G12 35, 70 or 150 watt max Ceramic Metal

Halide lamp.

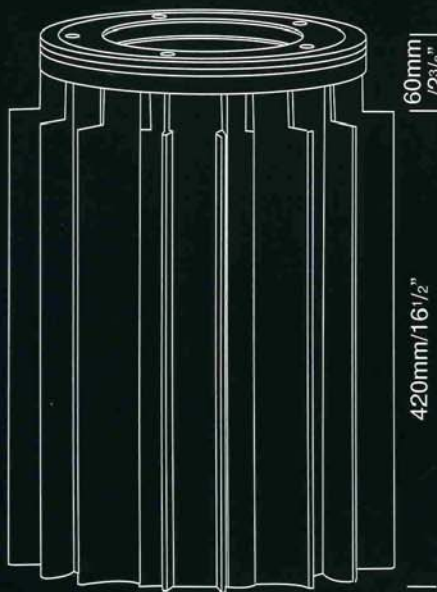




310mm/12 1/4"

262mm/10 1/4"

157mm/6 1/4"

60mm
2 3/8"

420mm/16 1/2"

ST150

Luminaire Construction

Body:

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

Colour:

Black.

Flanges:

The flange is attached to the body by five 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 -260mm x 6mm (10 1/4" x 1/4").

316 stainless steel - 260mm x 6mm (10 1/4" x 1/4").

Mounting:

The SafeTouch™ 150 is supplied with a 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 (1/2") 'Flush Fit' extra clear low iron tempered shatter resistant glass.

Gaskets:

Moulded Silicone 220°C (428°F)

Lamp Holders:

G12 & GX12.1 3000c (572°F) ceramic multi contact lamp holder with 2500c (480°F) teflon cables 5Kv rated.

GX8.5 2200c (428°F) Grey LCP 5Kv multi contact lamp holder rated with 250°C (480°F) teflon cables.

Accessories:

Cable Joint Kit (Cat. CJK150).

Frosted Lens (Cat. ST150FL).

Hex Cell Louvre (Cat. ST150HCR)

Anti-Slip lens (Cat ST150AS).

Asymmetric Lens (Cat ST150AL).

Colour Filters Blue, Red, Yellow, Green.

Flange Finish:

Bronze, Polished or Machine finish 316 stainless.

Anti-Syphon™:

Supply (input) cable moisture ingress barrier protection system.

Moisture Control:

Desiccant Sachet

Gimble Adjustment:

20° Tilt with position lock.

360° rotation with position lock.

Reflector Angles:

2 x 6° (12°)

2 x 12° (24°)

2 x 18° (36°)

2 x 30° (60°)

Electronic Ballast:

Increases lamp life by 30%.

Low operating temperature.

Low energy usage.

Potted.

Standards:

IP67 BS/EN 60598.2.2

Luminaire Weight:

ST150 19kg (41.8oz)

Power Supply:

Electronic Ballasts Metal Halide and Mini White Son (Sodium).

Input voltage 220-240v AC 50Hz. COS 0.98

Safety EN61347-2-1/2-3/2-9

Performance EN60927 / EN60929

RFI EN55015 / EN55022

Harmonic EN61547

EMC EN61547

and

HUNZA® Electronic Transformer input

voltage: 220-240 v AC 50 Hz.

COS 0.98

Safety EN61046

EMC EN55015

VO4156

Lamp Options:

GU53 30, 45, 60watt IR Halogen Lamp.

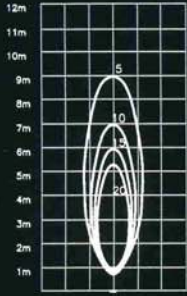
GX8.5 111 35, 70 watt Ceramic Metal Halide Lamp.

G12 35,70,150 watt Ceramic Metal Halide Lamp.

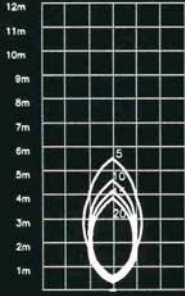
GX12.1 50 or 100 watt Mini White Son

(Sodium) Lamp.

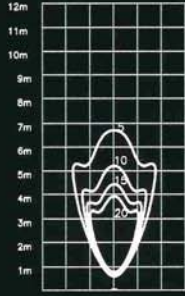
20 watt Metal Halide
12° Beam PGJ5
1650 Lumens
I-Max = 7460 cd



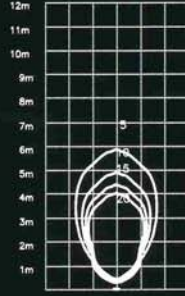
20 watt Metal Halide
Asymmetric Lens
12° Beam PGJ5
1650 Lumens
I-Max = 5150 cd
I-Max @ Zenith -300



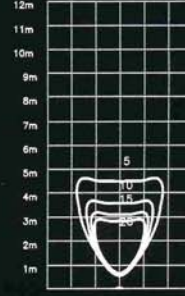
20 watt Metal Halide
36° Beam PGJ5
1650 Lumens
I-Max = 3120 cd



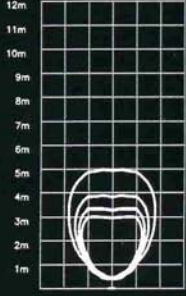
20 watt Metal Halide
Asymmetric Lens
36° Beam PGJ5
1650 Lumens
I-Max = 2668 cd
I-Max @ Zenith -27.50



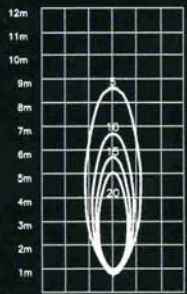
20 watt Metal Halide
60° Beam PGJ5
1650 Lumens
I-Max = 1161 cd



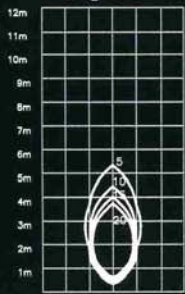
20 watt Metal Halide
Asymmetric Lens
60° Beam PGJ5
1650 Lumens
I-Max = 745 cd
I-Max @ Zenith -42.50



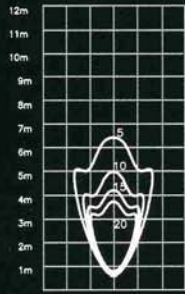
20 watt Metal Halide
IR Filters Fitted
12° Beam PGJ5
1650 Lumens
I-Max = 6876 cd



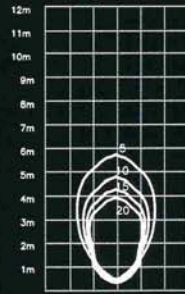
20 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
12° Beam PGJ5
1650 Lumens
I-Max = 4635 cd
I-Max @ Zenith -300



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



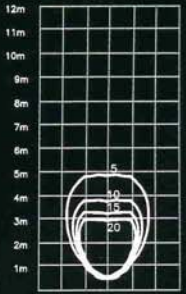
20 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
36° Beam PGJ5
1650 Lumens
I-Max = 2400 cd
I-Max @ Zenith -27.50



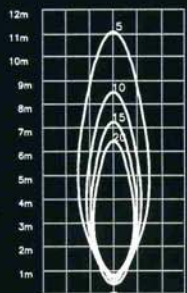
20 watt Metal Halide
IR Filters Fitted
60° Beam PGJ5
1650 Lumens
I-Max = 1045 cd



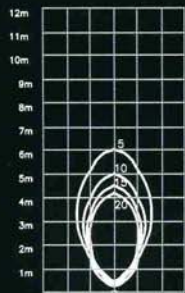
20 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
60° Beam PGJ5
1650 Lumens
I-Max = 670 cd
I-Max @ Zenith -42.50



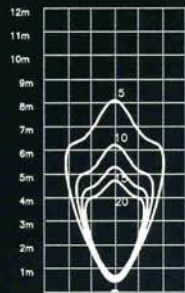
35 watt Metal Halide
12° Beam PGJ5
3000 Lumens
I-Max = 15192 cd



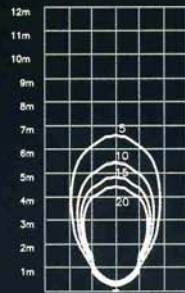
35 watt Metal Halide
Asymmetric Lens
12° Beam PGJ5
3000 Lumens
I-Max = 6878 cd
I-Max @ Zenith -32.50



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



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



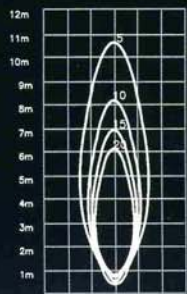
35 watt Metal Halide
60° Beam PGJ5
3000 Lumens
I-Max = 1780 cd



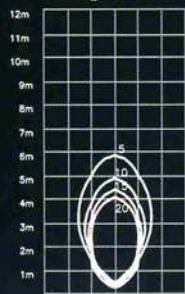
35 watt Metal Halide
Asymmetric Lens
60° Beam PGJ5
3000 Lumens
I-Max = 1191 cd
I-Max @ Zenith -27.50



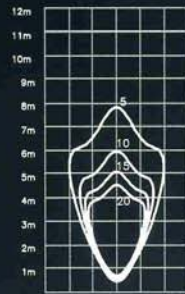
35 watt Metal Halide
IR Filters Fitted
12° Beam PGJ5
3000 Lumens
I-Max = 13670 cd



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



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



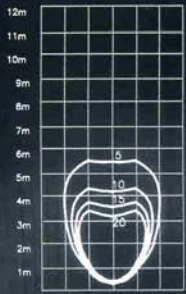
35 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
36° Beam PGJ5
3000 Lumens
I-Max = 3560 cd
I-Max @ Zenith -32.50



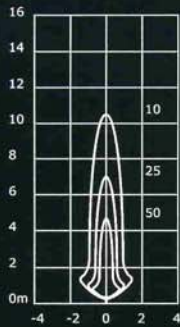
35 watt Metal Halide
IR Filters Fitted
60° Beam PGJ5
3000 Lumens
I-Max = 1600 cd



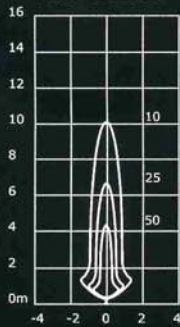
35 watt Metal Halide
IR Filters Fitted
Asymmetric Lens
60° Beam PGJ5
3000 Lumens
I-Max = 1070 cd
I-Max @ Zenith -27.50



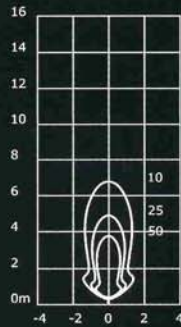
50 watt Mini White Son
12° Beam GX12.1
2300 Lumens
I-Max = 30025 cd



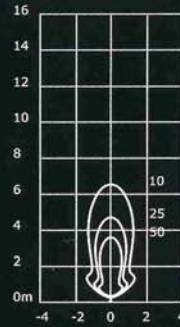
50 watt Mini White Son
IR Filters Fitted
12° Beam GX12.1
2300 Lumens
I-Max = 27025 cd



50 watt Mini White Son
24° Beam GX12.1
2300 Lumens
I-Max = 6680 cd



50 watt Mini White Son
IR Filters Fitted
24° Beam GX12.1
2300 Lumens
I-Max = 6000 cd



50 watt Mini White Son
36° Beam GX12.1
2300 Lumens
I-Max = 3333 cd



50 watt Mini White Son
IR Filters Fitted
36° Beam GX12.1
2300 Lumens
I-Max = 3000 cd



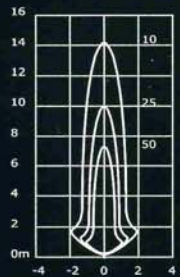
50 watt Mini White Son
60° Beam GX12.1
2300 Lumens
I-Max = 1950 cd



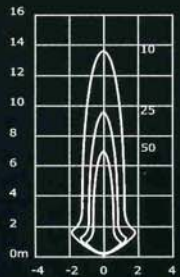
50 watt Mini White Son
IR Filters Fitted
60° Beam GX12.1
2300 Lumens
I-Max = 1750 cd



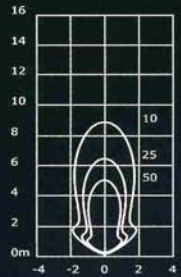
100 watt Mini White Son
12° Beam GX12.1
5000 Lumens
I-Max = 65270 cd



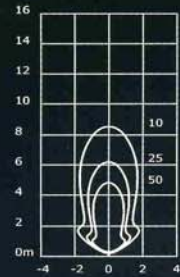
100 watt Mini White Son
IR Filters Fitted
12° Beam GX12.1
5000 Lumens
I-Max = 58750 cd



100 watt Mini White Son
24° Beam GX12.1
5000 Lumens
I-Max = 14580 cd



100 watt Mini White Son
IR Filters Fitted
24° Beam GX12.1
5000 Lumens
I-Max = 13120 cd



100 watt Mini White Son
36° Beam GX12.1
5000 Lumens
I-Max = 7240 cd



100 watt Mini White Son
IR Filters Fitted
36° Beam GX12.1
5000 Lumens
I-Max = 6510 cd



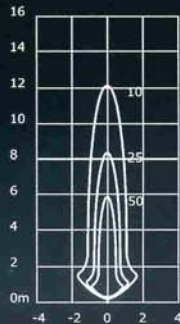
100 watt Mini White Son
60° Beam GX12.1
5000 Lumens
I-Max = 4225 cd



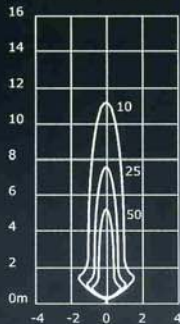
100 watt Mini White Son
IR Filters Fitted
60° Beam GX12.1
5000 Lumens
I-Max = 3800 cd



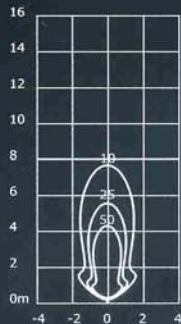
35 watt Metal Halide
12° Beam G12
3300 Lumens
I-Max = 43078 cd



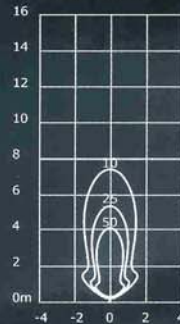
35 watt Metal Halide
IR Filters Fitted
12° Beam G12
3300 Lumens
I-Max = 38809 cd



35 watt Metal Halide
24° Beam G12
3300 Lumens
I-Max = 9583 cd



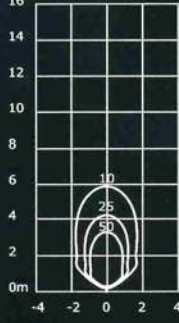
35 watt Metal Halide
IR Filters Fitted
24° Beam G12
3300 Lumens
I-Max = 8624 cd



35 watt Metal Halide
36° Beam G12
3300 Lumens
I-Max = 4779 cd



35 watt Metal Halide
IR Filters Fitted
36° Beam G12
3300 Lumens
I-Max = 4300 cd



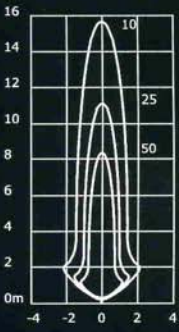
35 watt Metal Halide
60° Beam G12
3300 Lumens
I-Max = 2788 cd



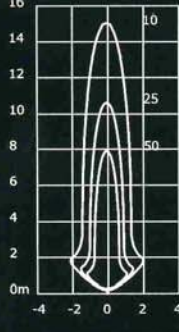
35 watt Metal Halide
IR Filters Fitted
60° Beam G12
3300 Lumens
I-Max = 2500 cd



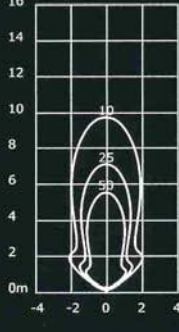
70 watt Metal Halide
12° Beam G12
6600 Lumens
I-Max = 86150 cd



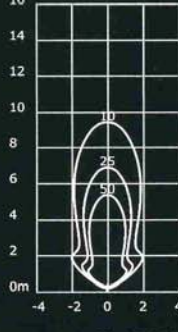
70 watt Metal Halide
IR Filters Fitted
12° Beam G12
3300 Lumens
I-Max = 77620 cd



70 watt Metal Halide
24° Beam G12
6600 Lumens
I-Max = 19166 cd



70 watt Metal Halide
IR Filters Fitted
24° Beam G12
3300 Lumens
I-Max = 17250 cd



70 watt Metal Halide
36° Beam G12
6600 Lumens
I-Max = 9560 cd



70 watt Metal Halide
IR Filters Fitted
36° Beam G12
3300 Lumens
I-Max = 8600 cd



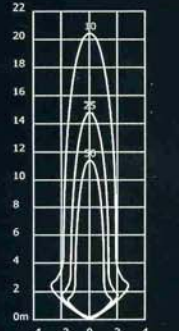
70 watt Metal Halide
60° Beam G12
6600 Lumens
I-Max = 5580 cd



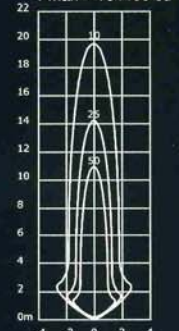
70 watt Metal Halide
IR Filters Fitted
60° Beam G12
3300 Lumens
I-Max = 5020 cd



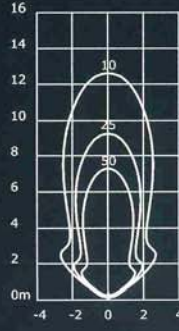
150 watt Metal Halide
12° Beam G12
14000 Lumens
I-Max = 182700 cd



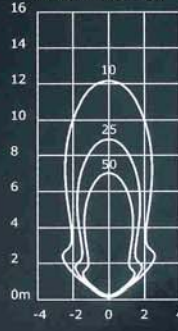
150 watt Metal Halide
IR Filters Fitted
12° Beam G12
14000 Lumens
I-Max = 164400 cd



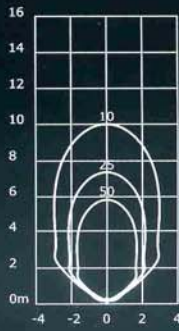
150 watt Metal Halide
24° Beam G12
14000 Lumens
I-Max = 40650 cd



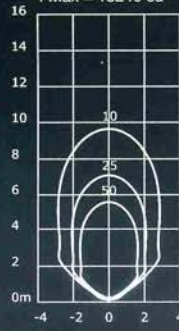
150 watt Metal Halide
IR Filters Fitted
24° Beam G12
14000 Lumens
I-Max = 36580 cd



150 watt Metal Halide
36° Beam G12
14000 Lumens
I-Max = 20270 cd



150 watt Metal Halide
IR Filters Fitted
36° Beam G12
14000 Lumens
I-Max = 18240 cd



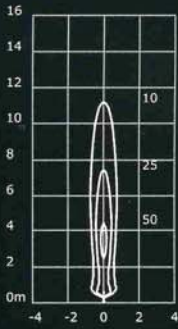
150 watt Metal Halide
60° Beam G12
14000 Lumens
I-Max = 11820 cd



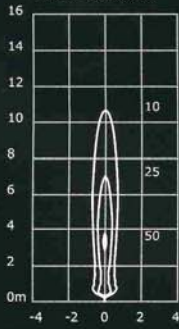
150 watt Metal Halide
IR Filters Fitted
60° Beam G12
14000 Lumens
I-Max = 10640 cd



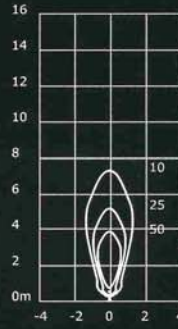
35 watt Metal Halide
10° Beam GX 8.5
3200 Lumens
I-Max = 35075 cd



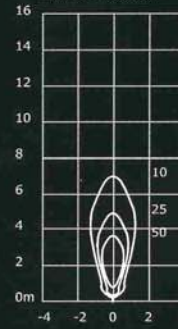
35 watt Metal Halide
IR Filters Fitted
10° Beam GX 8.5
3200 Lumens
I-Max = 31560 cd



35 watt Metal Halide
24° Beam GX 8.5
3200 Lumens
I-Max = 8534 cd



35 watt Metal Halide
IR Filters Fitted
24° Beam GX 8.5
3200 Lumens
I-Max = 7680 cd



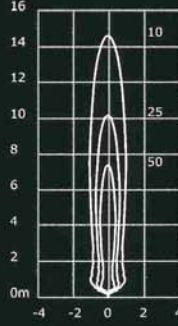
70 watt Metal Halide
40° Beam GX 8.5
6400 Lumens
I-Max = 7995 cd



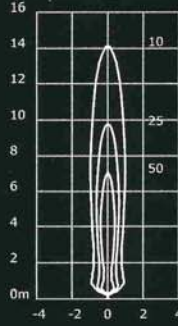
70 watt Metal Halide
IR Filters Fitted
40° Beam GX 8.5
6400 Lumens
I-Max = 7195 cd



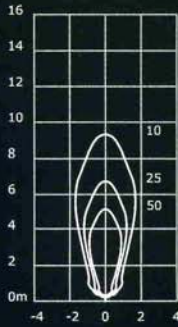
70 watt Metal Halide
10° Beam GX 8.5
6400 Lumens
I-Max = 70030 cd



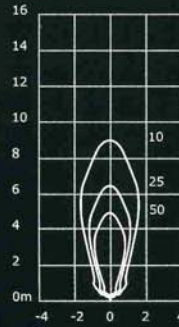
70 watt Metal Halide
IR Filters Fitted
10° Beam GX 8.5
6400 Lumens
I-Max = 63030 cd



70 watt Metal Halide
24° Beam GX 8.5
6400 Lumens
I-Max = 17068 cd



70 watt Metal Halide
IR Filters Fitted
24° Beam GX 8.5
6400 Lumens
I-Max = 15360 cd



70 watt Metal Halide
40° Beam GX 8.5
6400 Lumens
I-Max = 7995 cd



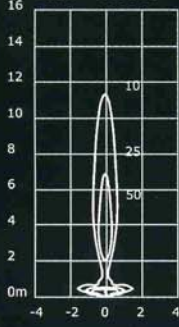
70 watt Metal Halide
IR Heat Filters Fitted
40° Beam GX 8.5
6400 Lumens
I-Max = 7195 cd



60 watt IRC Halogen
8° Beam G53
1400 Lumens
I-Max = 47829 cd



60 watt IRC Halogen
IR Filters Fitted
8° Beam G53
1400 Lumens
I-Max = 43050 cd



60 watt IRC Halogen
24° Beam G53
1400 Lumens
I-Max = 8480 cd



60 watt IRC Halogen
IR Filters Fitted
24° Beam G53
1400 Lumens
I-Max = 7630 cd



60 watt IRC Halogen
45° Beam G53
1400 Lumens
I-Max = 2790 cd



60 watt IRC Halogen
IR Filters Fitted
45° Beam G53
1400 Lumens
I-Max = 2500 cd





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Facsimile: +64 9 528 9361

Email: hunza@hunza.co.nz

Website: www.hunza.co.nz

For local distributor details please consult
the contacts page of our website

HUNZA Five year Warranty

All HUNZA aluminium luminaires with a
UV powder-coat finish have a five
year replacement warranty, subject to
standard conditions of sale
(refer HUNZA website: www.hunza.co.nz)

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