



Optra Series

Photo above shows 400w MH versions on 6m columns.

High performance architectural luminaire for carpark illumination. Typically 1 x 600w fitting for every 112 parking spaces. Minimise column clutter (maximise spacings). Complete Cut-Off and low glare. Wattages to 1000w HID or 97w LED. Symmetric and Asymmetric version.

Typical Mounting Height 5m - 12m (or 3m - 6m on Mini-Optra).



Construction: Die Cast aluminium with separate Ballast, Tripod and Optical Housings in large Optra. IP65.

Lamp Access: Top of the Fitting hinges to provide tool-less lamp access and relamping.

Installation: Via integral Mastfitter - Max Spigot size: 60mm.

Reflector: Symmetric distribution as standard. Optional asymmetric (ie. internal shield which is adjustable on site).

Gear: Integrated Gear Can as standard - see photo. Remote on request. Internal as standard with Mini-Optra.

Options: Side Arm Mounting - see photo. Mini Optra also available.

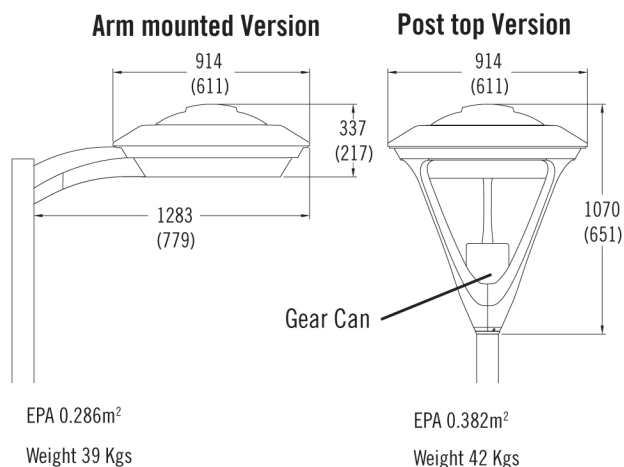
Finish: Grey RAL 9006 as standard. Other colours on request.

Lamps: Up to 1000w Metal Halide or 600w HPS. Max 150w Metal Halide on Mini-Optra, or 97w LED.



DIMENSIONS

All Dimensions in mm. (Mini Optra dimensions in brackets)



ORDERING CODE for luminaire excluding control gear

Code	Socket	Description
OPTRA		
5OPT00002	E40	Optical Head, Symmetric with Tripod
5OPT00003	E40	Optical Head, Asymmetric with Tripod

+ ORDERING CODE for gear can *

Code	Type	Description
5OPT15SGA	250w HPS/MH	Integrated Gear Can
5OPT16SGA	400w HPS/MH	Integrated Gear Can
5OPT16SGA	450w PMH	Integrated Gear Can
5OPT18SGA	600w HPS	Integrated Gear Can
5OPT19AGA	1,000w CWA	Integrated Gear Can

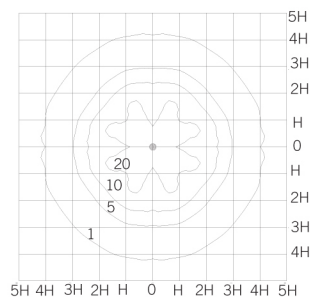
MINI OPTRA (includes internal gear)

5OPM00012	70w HPS/MH	Symmetric with Tripod
5OPM00013	70w HPS/MH	Asymmetric with Tripod
5OPM00014	150w MH	Symmetric with Tripod
5OPM00015	150w MH	Asymmetric with Tripod
5OPM00020	97w LED	Symmetric with Tripod
5OPM00021	97w LED	Asymmetric with Tripod

* Alternatively, Gear Trays can be supplied to fit into base of Column

APPLICATION GUIDE

Optra
400w HPS
8m Height
Contours in Lux
M. Factor = 0.87



Gear Can



Side Arm Version



Mini Optra Version

OPTIONS

RAL: Pls Specify
RG: Remote Gear
PC: Photocell
DEG: Dimmable Electronic Gear





Supralite Series

Photo above shows 400w HPS on 8m Columns.

High performance luminaire for carpark illumination. Typically 1 x 600w fitting for every 112 parking spaces. Minimise column clutter (maximise spacings). Semi Cut-Off and low glare. Wattages to 600w HID. Symmetric and Asymmetric version.

Typical Mounting Height is 6m - 12m.



Construction: Impact resistant UV stabilised acrylic outer body with opaque upper half and clear lower half. IP64.

Lamp Access: Lamp access via hinged glazing door with spring loaded fasteners for Supralite.

Installation: Via integral Mastfitter - Max Spigot size: 114mm.

Reflector: Symmetric Square distribution as standard. Optional asymmetric (i.e. reflector has an internal shield on one side to minimise back spill).

Finish: Grey RAL 9006 as standard. Other colours on request.

Lamps

To 600w HPS or 450w MH with single lamp, or to 2 x 250w HPS/MH with twin lamp arrangement. Any smaller wattages or E27 sockets on request.

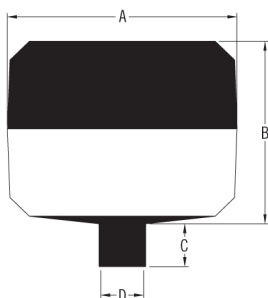
Gear: Ballast is fitted in base of Column as standard. Other methods on request.

Options: Integral Ballast, EON System to provide double lamp life.



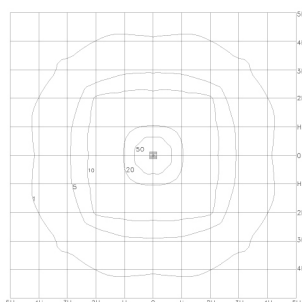
DIMENSIONS

A	B	C	D
610	490	130	ø89/ø114
Weight 8.5 kg			
E.P.A. 0.283m ²			
All dimensions are in mm.			



APPLICATION GUIDE

Supralite
400w HPS
8m Height
Contours in Lux
M. Factor = 0.87



Gear Tray



Encapsulated Gear

ORDERING CODE for luminaire excluding control gear

Code	Socket	Description
5SSS0001	E40 x 1	Supralite Symmetric, single E40 socket
5SSS0002	E40 x 1	Supralite Asymmetric, single E40 socket
5SSS0003	E40 x 2	Supralite Symmetric, twin E40 socket
5SSS0004	E40 x 2	Supralite Asymmetric, twin E40 socket

+ ORDERING CODE for remote control gear *

Code	Type	Description	Dimensions
1BT250E	250w HPS/MH	Encapsulated Gear	188 x 98 x 86mm
1BT400E	400w HPS/MH	Encapsulated Gear	228 x 98 x 86mm
1BT400E	450w PMH	Encapsulated Gear	228 x 98 x 86mm
1GGT15S01	250w HPS/MH	Gear Tray	290 x 90 x 100mm
1GGT15P01	250w PMH	Gear Tray	290 x 90 x 100mm
1GGT16S01	400w HPS/MH	Gear Tray	350 x 90 x 123mm
1GGT18S01	600w HPS	Gear Tray	350 x 90 x 123mm

* Max 10m distance between lamp and gear (30m on request).

OPTIONS

RAL: Pls specify
DEG: Dimmable Electronic Gear
EON: EON System





Merrion Series

Photo above shows 150w HPS on 4m and 6m Columns with Special Brackets.

Classical shaped luminaire with a choice of mounting brackets, wattages to 250w HID and a high performance street optic.



Construction: Die-cast dome, with spun aluminium canopy. IP65.

Lens/diffuser: Clear Polycarbonate shallow bowl as standard. Deep Tear Drop Bowl on request.

Installation: Pendant mounted with a choice of brackets. Swan-neck bracket shown in product picture above.

Finish: Black, RAL 9005 as standard, inside white. Other colours on request.

Lamps

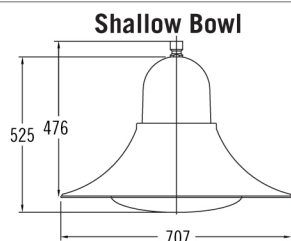
- 35w- 250w MH.
- 70w -250w HPS.
- 60w LED.

Gear: Magnetic Gear as standard. Electronic or Dimmable Gear on request.

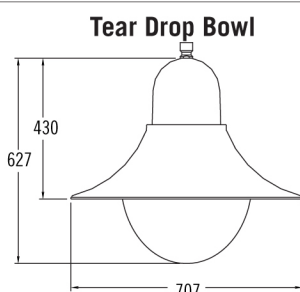
Options: Gear Type, Lens, Brackets.



LUMINAIRE DIMENSIONS



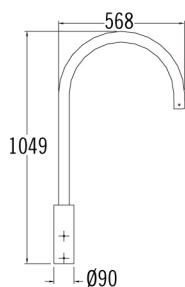
Windage 0.154m² Weight 12 Kgs



Windage 0.20m² Weight 12 Kgs

BRACKET DIMENSIONS - to suit Ø76mm post top pole

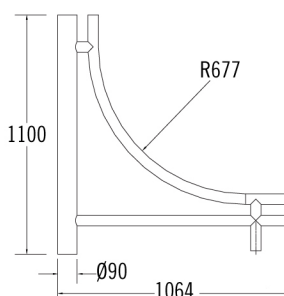
All dimensions are in mm.



Swan Neck Bracket

Windage 0.13m² Weight 10 Kgs

Brackets to suit Ø76mm post top pole



Corinthian Bracket

Windage 0.23m² Weight 22 Kgs

ORDERING CODE

Code	Type	Details
5MER11SBA	70w HPS/MH	Merrion E27, excluding bracket
5MER13SBA	150w HPS/MH	Merrion E40, excluding bracket
5MER15SBA	250w HPS/MH	Merrion E40, excluding bracket
5MER07LBA	70w LED	Merrion LED, excluding bracket

+ ORDERING CODE for brackets

Code	Description
5MER00002	Single Swan Neck Bracket
5MER00003	Twin Swan Neck Bracket
5MER00006	Single Corinthian Bracket
5MER00007	Twin Corinthian Bracket

APPLICATION GUIDE

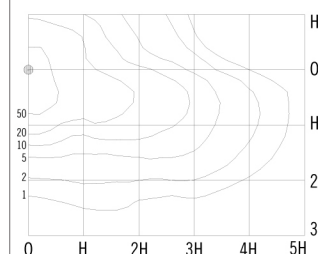
Merrion Series

150w HPS

6m Height

Contours in lux

M. Factor = 0.87



OPTIONS

RAL: Pls specify

PC: Photocell

OCC: Occupancy Sensor

DEG: Dimmable Electronic Gear





Wand Series

Photo above shows 5m Wands with clear lens, 70w MH.

Illuminated poles / bollards with heights from 4m (standard) to maximum 8.5m, in stainless steel for architectural effect. Product can be altered to suit specifications.



Construction: Rooted stainless steel base available up to 5m height with acrylic diffuse lens (Max 3.5m Height). Total max overall height: 8.5m. Mirrored reflector in cap. IP65.

Options: Height, cast acrylic lens, polycarbonate lens, flanged base, Internal Motion Sensors (LED Version only).

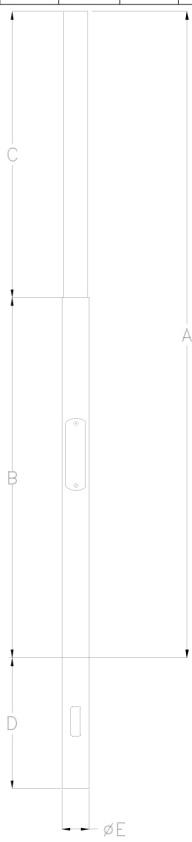
Finish: Stainless steel base with bead-blasted finish. (Option to add polished bands for effect or other patterns on request).

Lamps: 70w metal halide or 9w LED. Other sources on request, including colour changing LEDs.



DIMENSIONS

A	B	C	D	E
Typical Dimensions				
4.0	2.2	1.8	0.8	168mm
Maximum Available Dimensions				
8.5m	5m	3.5m	0.8m	168mm



ORDERING CODE

Code	Type	Description
5WND00001	70w MH	Wand 2.2m SS rooted base & 1.8m acrylic lens
5WND00003	9w LED	Wand 2.2m SS rooted base & 1.8m acrylic lens

OPTIONS

PC:	Polycarbonate Lens (max 3.5m)
RGB:	Colour Changing LED's
Height:	Pls Specify Height of Base
FLNG:	Flanged Base Required.





Louvered Bollard Series

Photo above shows 70w HPS, rooted 1.1m RAL 9006 Grey Finish.

Functional Bollards offered in various heights to 3m, rooted or flanged. Suitable for paths, gardens or plaza areas.



Construction: Cast aluminium, IP54.
1.1m high, other heights on request (up to 3m). Flanged mounted version as standard, rooted version on request.

Lens: Borosilicate glass as standard with HID versions, Acrylic with CFL versions. Polycarbonate on request, max 50w.

Lamp Access: Remove lamp module.

Installation: Supplied in 3 parts - lamp module, cylinder and base. Base is fixed to a mounting surface before adding remaining modules.

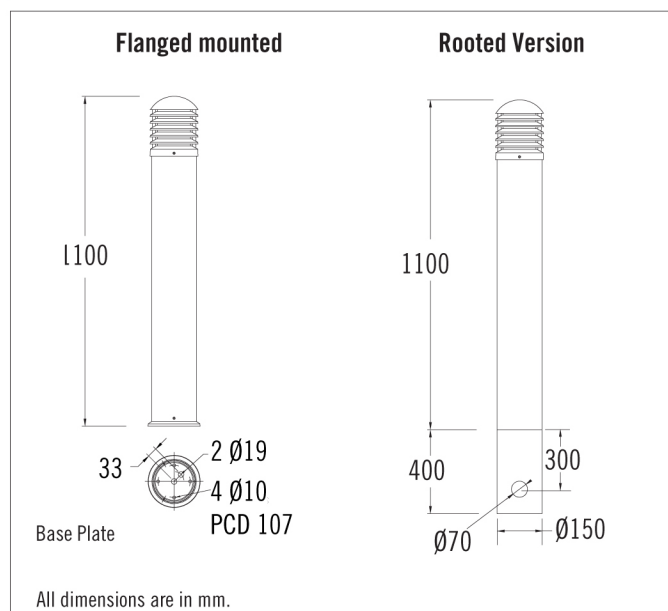
Finish: Grey (RAL 9006) as standard. Other colours on request.

Lamps: To 70w HPS & 70w MH, 26w CFL.

Options: Different Heights on Request, Emergency option available with CFL version.



DIMENSIONS



ORDERING CODE

Code Flanged	Code Rooted	Type	Details
5BLL60C-A	5BLL60C-C	26w TC-T/E	1.1m High Bollard, Gx24q-3
5BLL11S-A	5BLL11S-C	70w HPS-E/I	1.1m High Bollard, E27
5BLL11H-A	5BLL11H-C	70w MH	1.1m High Bollard, E27

APPLICATION GUIDE

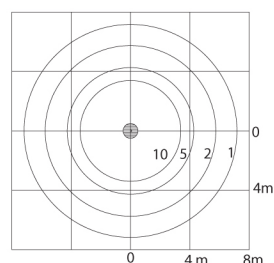
Louvered Bollard

Standard height

70w HPS

Contours in Lux

M. Factor = 0.87



OPTIONS

RAL: Pls specify

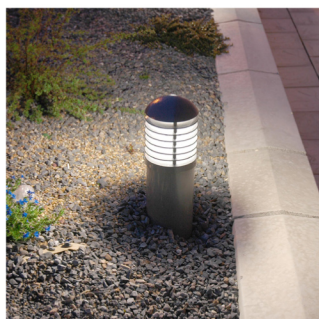
HGT: Pls specify Height

EM: Emergency

PC: Polycarbonate Lens

OCC: Occupancy Sensor

(CFL version only)





LED Bollard Series

Photo above shows 15w LED version, 1m high.

LED Bollard offered in 2 sizes, various heights, with internal motion sensor options. Suitable for paths, gardens or plaza areas.



Construction: Cast Aluminium head, IP65. Extruded Aluminium Shaft. 1m high as standard (700mm on Mini version). Other heights or Rooted Base on request.

Lens: Polycarbonate Lens.

Installation: Flanged as standard.

Finish: Grey RAL 9006 as standard. Other colours on request

Wattages: 15w (12 LED) Symmetric as standard. 30w version also available. 8w (6 LED) on Mini-Version. Wattage is total circuit watts. Other Wattages or Asymmetric on request.

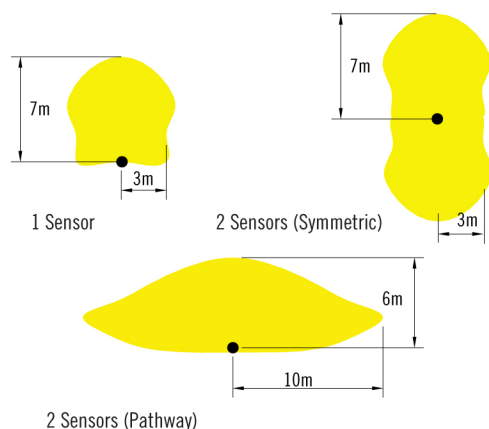
LED: 6 - 12 Cree XP LEDs. 8w-15w versions run at 350mA, 30w version at 700mA. Neutral white (approx 4200K) as standard. Rated lifetime of 60,000 hours and can be switched on/off repeatedly without reduction in life.

Options: Internal Sensor Control, Emergency, dimmable (1-10V), Dali, Rooted/Flanged, Symmetric/Asymmetric, Different Heights.

Sensor: Single or twin motion sensor (microwave), On/Off or Hi/Low versions. Sensor Delay of 5 mins (or less if specified). Wireless system on request. Photocell option available with on/off version only.



SENSOR COVERAGE PATTERN - PLAN VIEW



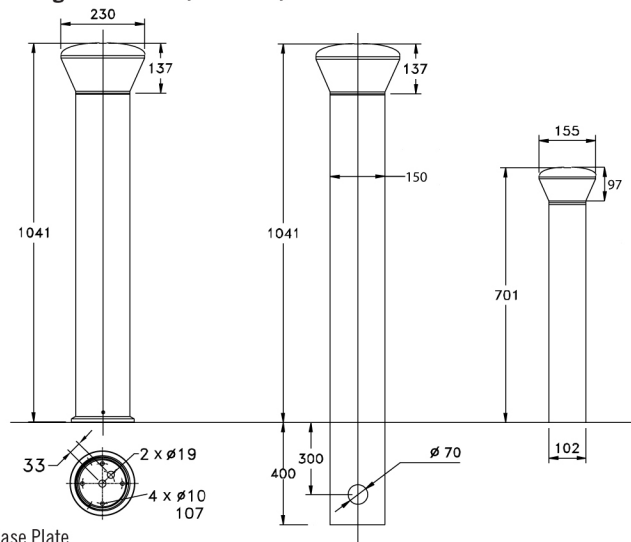
Above Based on Standard Bollard.

Vertical Coverage:
+/- 45° from horizontal

DIMENSIONS

Flanged mounted (Standard) Rooted Version

Mini



* On request up to 2m.

ORDERING CODE

Wattage*	Lamp	Symmetric	Asymmetric*	Details
Standard Bollard				
15w	LED	5BLE00010	5BLE00020	No Sensor
15w	LED	5BLE00011	5BLE00021	1 Sensor (on/off)
15w	LED	5BLE00012	5BLE00022	2 Sensors (on/off)
15w	LED	5BLE00015	5BLE00025	Dimmable (1-10V Signal req.) ⁺
15w	LED	5BLE00016	5BLE00026	Dimmable 1 Sensor (Hi/Low)
15w	LED	5BLE00017	5BLE00027	Dimmable 2 Sensors (Hi/Low)

Note: 15w can be converted to 30w by Changing Driver.

Mini Version

8w	LED	5BLE00710	5BLE00720	No Sensor
8w	LED	5BLE00711	5BLE00721	1 Sensor (on/off)
8w	LED	5BLE00715	5BLE00725	Dimmable (1-10V Signal req.) ⁺
8w	LED	5BLE00716	5BLE00726	Dimmable 1 Sensor (Hi/Low)

*Note: Asymmetric Version reduces wattages to 60%.

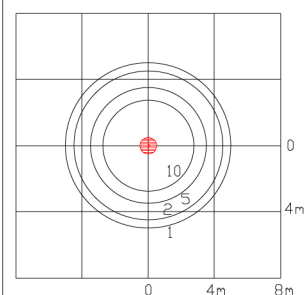
*Note: No Sensor.

OPTIONS

RAL: Pls specify
HGT: Pls specify
RTD: Rooted Version
PC: Photocell (with on/off Sensor only)
WR: Wireless
DALI:Dali
EM: Emergency
30w: 30w Output (Standard Bollard)

APPLICATION GUIDE

LED Bollard
15w 12 LED Symmetric
Standard Height 1m
Contours in Lux
M. Factor = 0.90

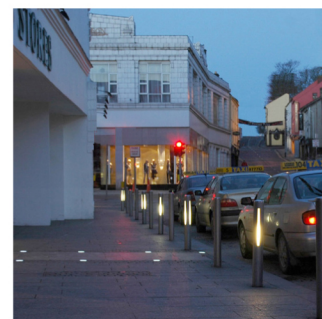




S Bollard Series

Photo above shows 16w LED, 840mm High, Stainless Steel rooted.

Robust Stainless Steel or Aluminium Slotted Bollards, rooted or flanged.
Suitable for paths, gardens or plaza areas.



Construction: High grade stainless steel (316 grade) with illuminated slots. IP54. Walls are 3.1mm thick. Shape can be made to order including height, shape of slots and finish.

Lens: Acrylic lens as standard.

Installation: Rooted as standard. Removable base available. Flange mounted on request.

Finish: Blasted finish with polished cap (shown). Other patterns on request.

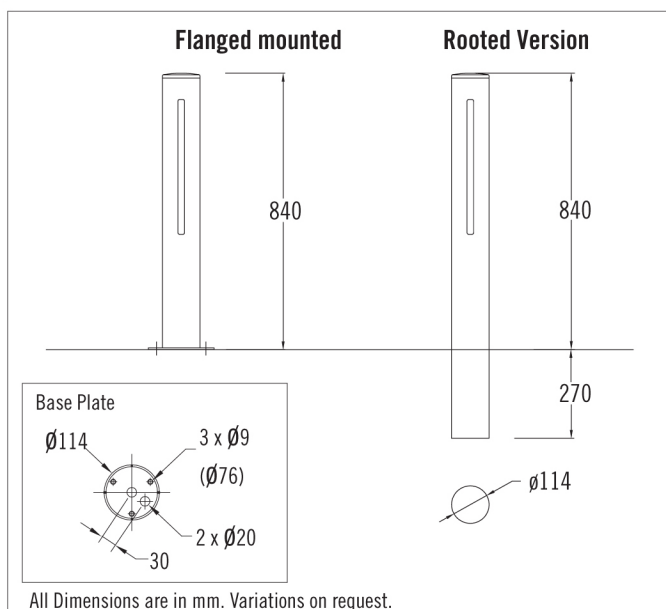
Lamps: 1x18w -24w CFL, 16w LED. Other sources on request.

Options: Dimmable gear, removable base, variable height, slots cut to order, flanged version, emergency. An occupancy sensor can be fitted internally to switch on/off automatically.

Aluminium version on request with RAL of choice.



DIMENSIONS



ORDERING CODE

Code Flanged	Code Rooted	Type	Description
5SSB61CBA	5SSB61CBC	18-24w TC-L	Blasted Stainless Steel, 2G11
5SSB61CPA	5SSB61CPC	18-24w TC-L	Polished Stainless Steel, 2G11
5SSB61CAA	5SSB61CAC	18-24w TC-L	Aluminium Version, 2G11
5SSB16LBA	5SSB16LBC	16w LED	Blasted Stainless Steel, 2G11
5SSB16LPA	5SSB16LPC	16w LED	Polished Stainless Steel, 2G11
5SSB16LAA	5SSB16LAC	16w LED	Aluminium Version, 2G11

APPLICATION GUIDE

S Bollard

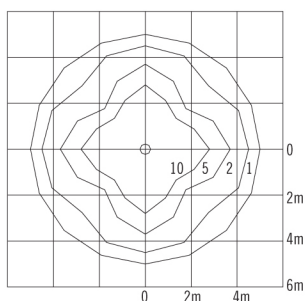
24w CFL

Standard Height

Contours in Vertical Lux

@ 0.5m above ground

M. Factor = 1

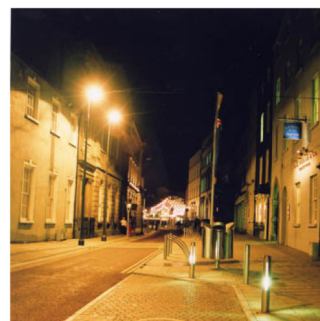


OPTIONS

RAL: Pls specify (ALU version only)

EM: Emergency Version

HGT: Specify Height



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