

Lumiance

IMPACT CATALOGUE



Concord
SYLVANIA
● CSE

Where
innovation
comes to
light.





INPACT

ENGINEERED TO MEET TODAY'S LIGHTING EXPECTATIONS AND CHALLENGES

The all new INPACT downlight range of luminaires is a perfect illustration of value engineering (VE) By examining the basic function of downlights we have systematically set about to improve the “value” of our offer. Value, as defined, is the ratio of function to cost. It is our primary view that basic functions be preserved and not be reduced as a consequence of pursuing value improvements.

INTRODUCTION INPACT RANGE



INPACT 90 LED PAGE 6

23W 1200lm 3000k

21W 1380lm 4000k

CRI > 82

iReady

INPACT

High performance lighting for a sustainable environment.

Perfectly positioned to embrace the transition from long established and less efficient light sources like halogen to the burgeoning solid state lighting expansion (LED) The Inpact range offers “value” high efficacy CFL’s where using conventional lighting is inescapable and in conjunction with the latest generation LED’s. Either option is capable of real energy savings ultimately contributing to a sustainable future.

By using LED arrays in combination with Inpact’s IQS (Interactive optical system) we are able to harness and provide the optimum of light with a crisper beam distribution. “IQS” utilises lens technology in combination with the LED array and high quality reflectors. Extracting an elevated optical efficiency of up to 85% without compromise to the light distribution.

This class leading performance results in potential energy consumption savings of up to 70% compared to conventional light sources.

Moreover additional interchangeable lenses extend Inpact LED’s ability to provide from one family the right lighting solution to the most varied of spaces.

The Inpact family is ideal for use in public buildings, hospitals, schools, colleges or is equally at its best used in hotels, entertainment centres or retail applications.

This simple but expansive range is easy to install in countless applications and will appeal to designers, end users and installers alike.

THERMAL CONTROL



The LED arrays used in Lumiance products make use of Metal Bond Technology (MBT). This technology has demonstrated a reduction in thermal resistance by 30-50 percent when compared to typical existing LED products available on the market today.

Furthermore lower thermal resistance is advantageous for the product design resulting in increased light output thus reducing the need for oversized heat sinks.

Lumiance uses optimised passive cooling to dissipate the heat of the LED efficiently via the heat sink, which prevents deterioration of the LED and other components.

By using this reliable thermal control we have an expected lifetime of up to 50,000 hours with high lumen maintenance resulting in up to 70% of initial lumens available at end of lifetime (L70).



IMPACT 150 LED PAGE 8

LED 27W 1800lm 3000k

LED 27W 2000lm 4000k

CRI > 80

LED 35W 2500lm 3000k

LED 35W 2500lm 4000k

CRI > 80

iReady



IMPACT 230 PAGE 12

TC-DEL - 18/26/32W

TC-TEL - 18/26/32W

PL- R - 14/17W

iReady



INVARIO 75 LED PAGE 16

LED 13W 850lm 3000k

CRI > 82

iReady



INVARIO 75 PAGE 20

GU-10 / ES50 240v LED

GX 5.3 MR-16 LED

GU-10 Compact Fluorescent 240v

7/9 /11W

GU-10 Halogen - MAX 50W (IP20)

iReady





INPACT LED

INPACT LED is designed for general lighting applications using the latest LED technology.

It is extremely energy efficient with excellent light control via IØS (Interactive optical system)

The IØS system offers the possibility to selectively change the light distribution from wide flood to flood or spot using interchangeable lenses.

Due to the deep positioning of the IØS and LED array in the reflector cone a high level of light comfort is also obtained.

INPACT 90 LED



INPACT 90 LED IP44

Recessed LED downlight for general lighting.

With integrated Bridgelux LED:

- 23W 1200lm 3000k
- 21W 1380lm 4000k

APPLICATION / FEATURES

- Optical system with integrated Bridgelux LED Array. Energy saving up to 70% compared to halogen 75W and 40% compared to 1 x 26W CFL
- Optical system placed in reflector cone for high comfort and reduced glare.
- Lifetime of system 50.000h
- 1 fixture, 2 beam angles possible with interchangeable lens accessory
- Lens softens beam
- Easy and quick installation without tools
- **IP44** with lens
- Accessory for retrofitting hole cuts 100mm - 150mm Ø
- **iReady**

INPACT 90 LED

	White 3000k	White 4000k	Silver 3000k	Silver 4000k	Description
(Supplied c/w flood lens 40° and associated Driver)	3013201	3017201	3023201	3027201	Electronic - Non Dim
	3013401	3017401	3023401	3027401	Electronic 1-10V / DALI / PTD*
Accessories	Lens				
	Spot 24°				
	1060023				
Conversion Ring	3010020		3020020		Allows mounting to hole cuts 100mm - 150mm Ø



* Push to Dim (PTD)



DIMENSIONS

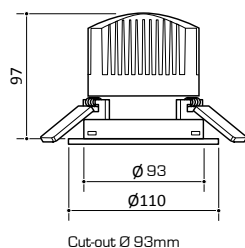
- Ceiling cut-out: 93mm
- Bezel diameter: 110mm
- Product height: 97mm

MATERIALS

- Die-cast aluminium ceiling trim, matched design with other INPACT downlight ranges
- PC vacuum metalized cone
- Die-cast aluminium heatsink

COLOURS

- White (RAL 9010)
- Silver (RAL 9006)



LENSES

- Standard supplied with 40° flood lens. 24° Flood lens available as accessory

DRIVERS

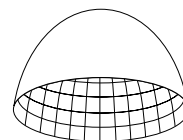
- Constant current driver, dimmable DALI, 1-10V, PTD available

ACCESSORIES

- Lens
- **PHOTOMETRICS**
- Inpact 90 LED Refer to Page 24



Lens assembly as supplied



40° supplied fitted



24° exchangeable accessory



INPACT 150 LED



INPACT 150 LED IP44

Recessed LED downlight for general lighting.

With integrated Bridgelux LED:

- 27W 1800lm 3000k
- 27W 2000lm 4000k
- 35W 2500lm 3000k
- 35W 2700lm 4000k

APPLICATION / FEATURES

- IØS optical system with integrated Bridgelux LED Array
- Energy saving up to 40% compared to 2 x 26W CFL solutions
- Optical system placed in reflector cone for high comfort and reduced glare.
- Lifetime of system 50.000h
- Each fixture offers 2 beam angles through interchangeable lens accessory
- Lens softens beam. Ideal for downlighting
- Easy and quick installation without tools
- **IP44** with lens
- Accessory for retrofitting hole cuts 160mm - 240mm Ø
- **iReady**

INPACT 150 LED

27W					
(Supplied c/w flood lens 40° and associated Driver)	White 3000k	White 4000k	Silver 3000k	Silver 4000k	Description
	4013202	4017202	4023202	4027202	Electronic - Non Dim
	4013402	4017402	4023402	4027402	Electronic 1-10V / DALI / PTD*
35W					
(Supplied c/w extra wide flood lens 61° and associated Driver)	4013203	4017203	4023203	4027203	Electronic - Non Dim
	4013403	4017403	4023403	4027403	Electronic 1-10V / DALI / PTD*
Accessories	Lens				
27W	Spot 24°				
	1060023				
35W	Wide Flood 50°				
	1060023				
Conversion Ring	4010020		4020020		Allows mounting to hole cuts 160mm - 240mm Ø



* Push to Dim (PTD)



DIMENSIONS

- Ceiling cut-out: 152mm
- Bezel diameter: 175mm
- Product height: 100mm

MATERIALS

- Die-cast aluminium ceiling trim matched design with other INPACT downlight ranges
- PC vacuum metalized cone
- Die-cast aluminium heatsink

COLOURS

- White (RAL 9010)
- Silver (RAL 9006)

LENSES

- 35W Standard supplied with 61° extra wide flood lens.
50° wide flood lens available as accessory.
- 27W Standard supplied with 40° flood lens.
24° spot lens available as accessory.

DRIVERS

- Constant current driver, dimmable DALI, 1-10V, PTD available

ACCESSORIES

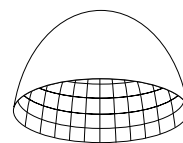
- Lenses

PHOTOMETRICS

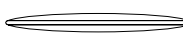
- Inpact 150 LED Refer to Page 25



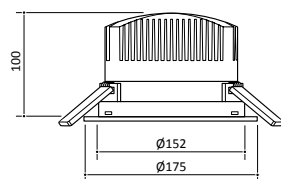
Lens assembly as supplied



61° supplied fitted



50° exchangeable accessory







IMPACT 230

IMPACT 230 is a range of downlights designed for general lighting using Compact Fluorescent lamps. It combines a high efficient reflector system with a high level of visual comfort while maintaining a low recess depth.

IMPACT can be installed without any tools, resulting in extremely quick installation times.

INPACT 230



INPACT 230

Recessed downlight for general lighting using compact fluorescent lamps
1 x 26W up to 2 x 32W.

APPLICATION / FEATURES

- Ceiling springs for easy and fast mounting without tools
- Suitable for ceiling thickness up to 30mm
- Easy and quick electrical installation without tools
- Integrated electronic ballast
- Low glare
- High LOR ($\geq 70\%$)
- **IP44** with front cover accessory
- **iReady**

INPACT 230

TC-DEL TC-TEL		
	White	Description
1 X 26/32W	5011202	Electronic - Non Dim
1 X 26/32W	5011302	Electronic Emergency
2 X 18W	5012201	Electronic - Non Dim
2 X 18W	5012301	Electronic Emergency
2 X 18W	5012401	Electronic 1-10V
2 X 18W	5012601	Electronic - DALI
2 X 26/32W	5012202	Electronic - Non Dim
2 X 26/32W	5012302	Electronic Emergency
2 X 26/32W	5012402	Electronic 1-10V
2 X 26W	5012602	Electronic - DALI
2 X 32W	5012603	Electronic - DALI
Accessories		
Front Cover	Opal IP44	Transparent IP44
	5050020	5060020



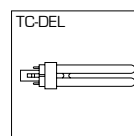
Transparent front cover



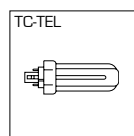
Opal front cover



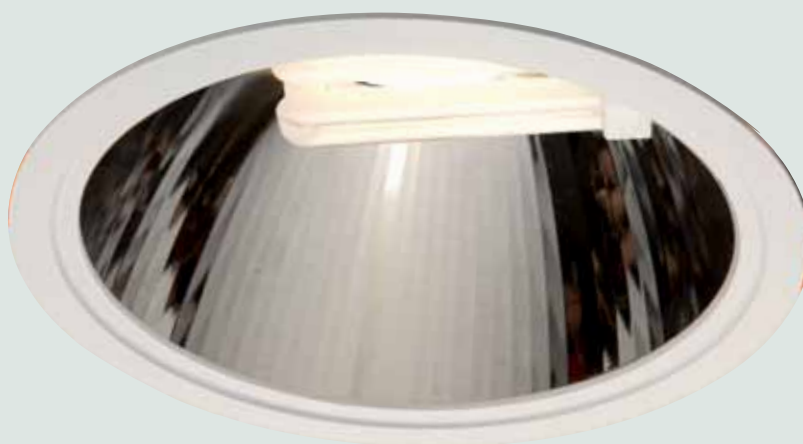
Open



TC-DEL 18W G24-q2
TC-DEL 26W G24-q3



TC-TEL 18W GX24-q2
TC-TEL 26W GX24-q3
TC-TEL 32W GX24-q3



DIMENSIONS

- Ceiling cut-out: 230mm
- Bezel diameter: 250mm
- Product height: 125mm

MATERIALS

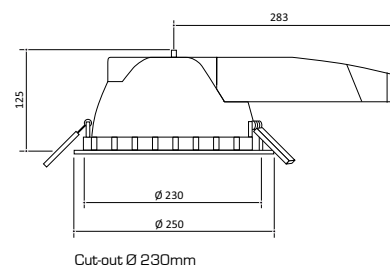
- PC reflector high gloss faceted, scratch resistant aluminium vacuum metalized
- PC gear tray
- Die-cast aluminium ceiling trim matched design with other INPACT downlight ranges

COLOURS

- White (RAL 9010)

PHOTOMETRICS

- Inpact 230 Refer to Page 26







INVARIO LED

Invario 75 LED is a realistic alternative and retrofit for 50W halogen fixtures. Its 77mm cut out diameter allows location into many existing ceiling apertures.

With the integrated LED array and IOS (interactive optical system) we have created a soft 35° flood beam which is fitted as standard and can be replaced with a 24° spot accessory lens. The product further adds flexibility in beam control with a 2 x 30° tiltable head.

INVARIO 75 LED



IMPACT 70 LED

Recessed LED downlight for general lighting.

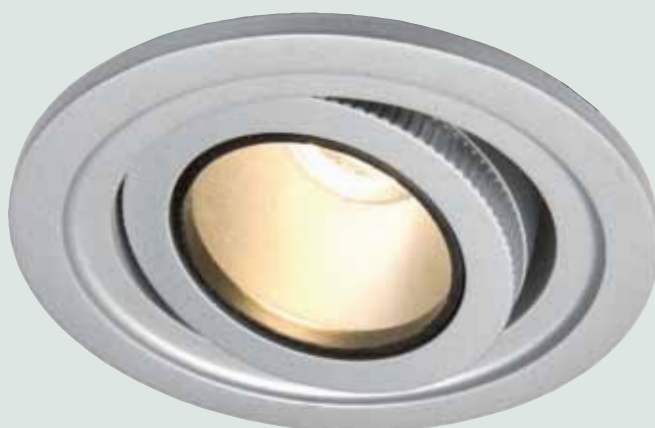
With integrated Bridgelux LED:

- 13W 850lm 3000K
- IP44
- 2 x 30° tiltable
- Ceiling cut-out of 77mm. Can be retrofitted in existing ceiling cut-outs of 77mm or less
- Integrated Bridgelux LED Array. Energy saving up to 70% compared to halogen 50W MR 16
- Lifetime of system 50.000h
- 1 fixture, 2 beam angles possible with interchangeable lens accessory
- Lens creates a soft beam
- Plug & Play versions including driver and cable
- Easy and quick mounting without tools
- **iReady**

INVARIO 75 LED

	White	Silver	Description
(Supplied c/w wide flood lens 35° and associated Driver)	1013200	1023200	Electronic - Non Dim
	1013240	1023240	Electronic 1-10V / DALI / PTD*
Accessories	Lens		
Lens	Spot 24°		
	1060021		

* Push to Dim (PTD)



DIMENSIONS

- Ceiling cut-out: 77mm
- Bezel diameter: 95mm
- Product height: 85mm

MATERIALS

- Die-cast aluminium ceiling trim matched design with other INPACT downlight ranges
- Die-cast aluminium heatsink

COLOURS

- White (RAL 9010)
- Silver (RAL 9006)

LENSES

- Standard supplied with 35° flood lens 24° spot lens available as accessory

DRIVERS

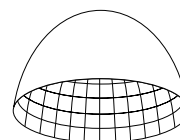
- Constant current driver included
- Constant current driver, dimmable DALI, 1-10V, PTD available

PHOTOMETRICS

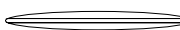
- Invario 75 LED Refer to Page 27



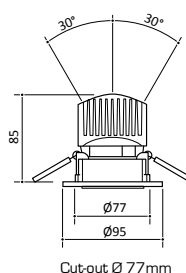
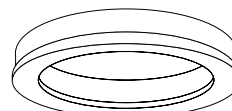
Lens assembly as supplied



35° accessory



24° exchangeable accessory



Cut-out Ø 77mm





INVARIO 75

INVARIO 75 is a range of tiltable (2 x 30°) aluminium die cast downlighters designed to take energy saving retrofit GX5.3 and GU10 LED and CFL Lamps.

The products can be installed quick and easily without the need of any tools.

INVARIO 75



Tilttable recessed downlight for accent and general lighting. Designed for retrofit LED and CFL lamps. The products are also suitable for (eco) halogen lamps.

- 2 x 30° tilttable
- Ceiling cut-out of 77mm.
Can retrofit into many existing ceiling cut-outs
- Ceiling springs allow for easy and fast mounting without tools
- Suitable for ceiling thickness up to 25mm
- Easy and fast electrical installation without any tools (push-in cable clamps and piano key terminal block)
- GU10 version suitable for connection in parallel (looping)
- **iReady**

INVARIO 75 IP44

	White	Silver	Operating Requirements	Lamp Code	Lamp Type	Power	Distribution Angle	Luminous Flux	Colour Temp
GU 10 IP44	1010200	1020200	Mains Voltage	211840	CFL	11	Wide	350lm	4000k
				026400	LED	8	36°	300lm	3000k
GX5.3 IP44	1010100	1020100	Electronic Transformer	026174	LED	4	25°	200lm	3000k
				026301	LED	6.5	25°	270lm	3000k
Liberty IP44	1010300	1020300	Electronic Driver (Inc)	252732	LED	12	26°	534lm	3000k
				252733	LED	12	38°	534lm	3000k
				252734	LED	12	55°	534lm	3000k
Accessories		Electronic Transformer							
		100404	12V 50VA						



RefLED MR16
dimmable
GX5.3



Mini-Lynx CFL
Reflector GU10



RefLED Par16
GU10 dimmable



Liberty





DIMENSIONS

- Ceiling cut-out: 77mm
- Bezel diameter: 95mm
- Product height: 85mm Minimum*

* Dependant on lamp used

MATERIALS

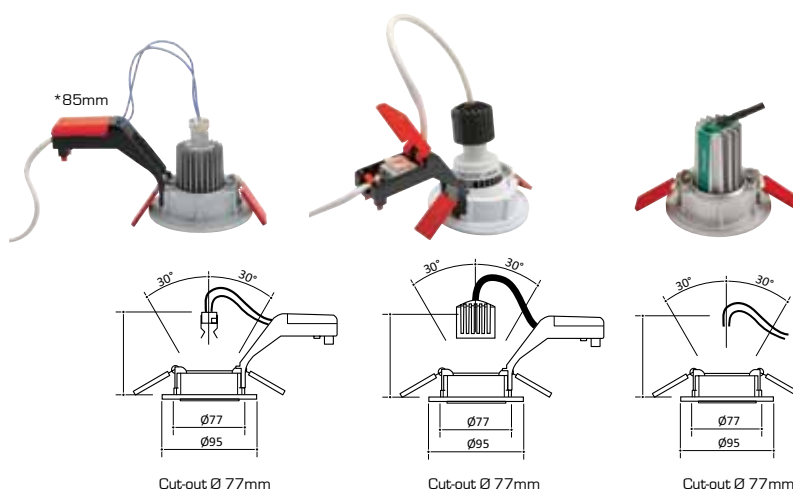
- Die-cast aluminium ceiling trim matched design with other INPACT downlight range
- PC connection bracket

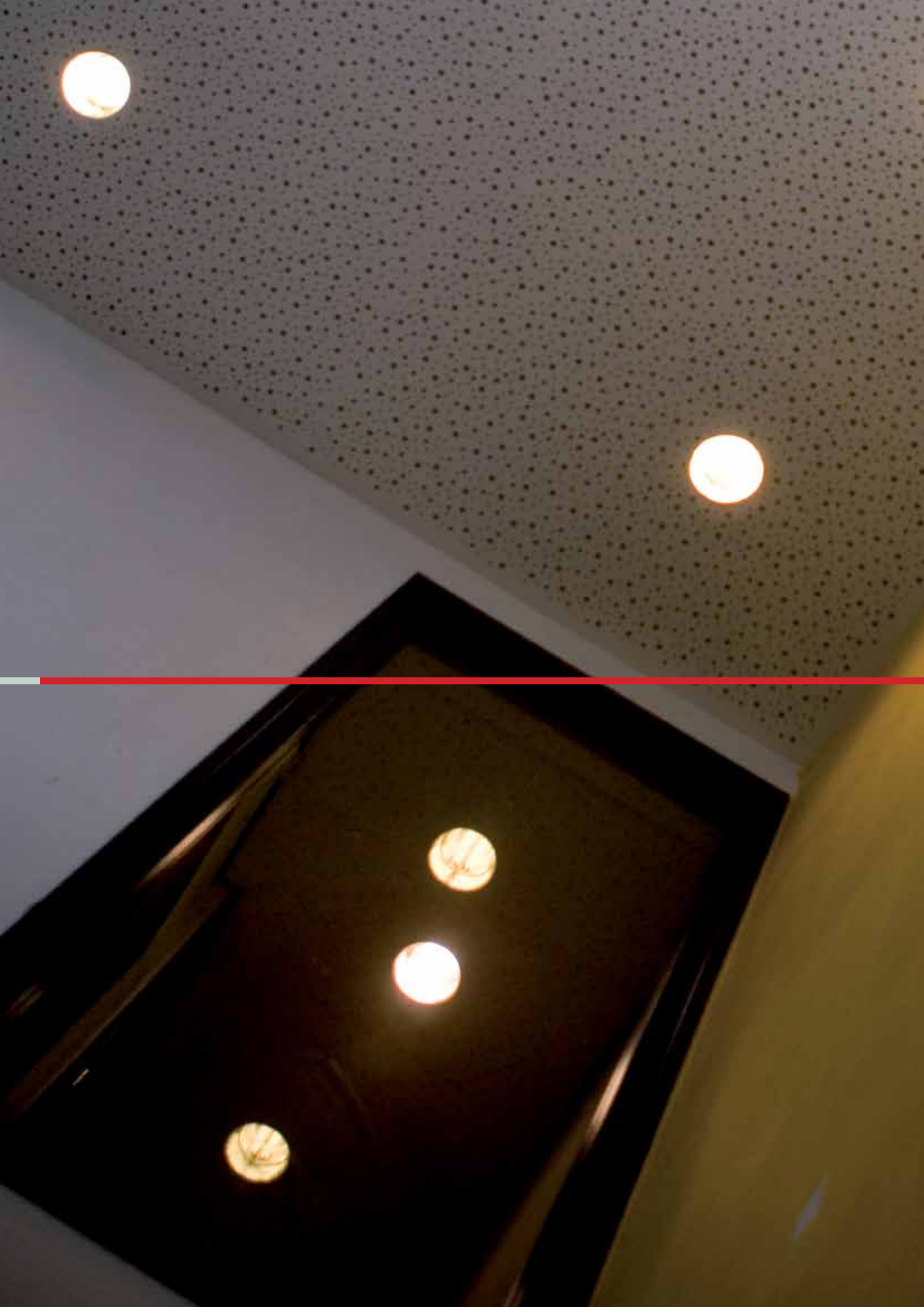
COLOURS

- White (RAL 9010)
- Silver (RAL 9006)

SUITABLE FOR FOLLOWING LAMP TYPES:

- GU10 Compact fluorescent 240V / 7-9-11W
- GU10 ES50 240V LED
- GX 5,3 MR16 LED
- Also suitable for GU10 and GX 5,3 (eco) up to 50W halogen. (IP20) 50W (IP44) 1 - 35W
- Liberty LED IP44





A photograph of a wooden desk with a perforated metal plate and a light source in the top left corner.

PHOTOMETRICS

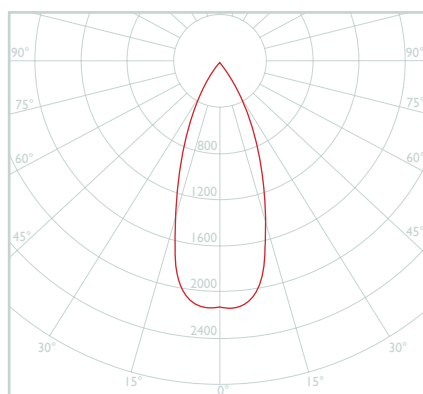
INPACT PHOTOMETRICS

INPACT 90 21W & 23W LED INPACT 150 27W LED

21W & 23W

27W

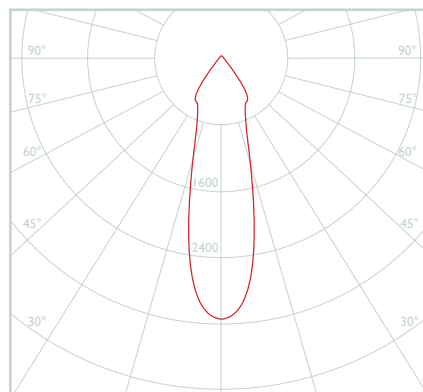
40° LENS



Offset	Cone Width	Illuminance
0.5m	0.36m	8373 lx
1.0m	0.72m	2093 lx
1.5m	1.09m	930 lx
2.0m	1.45m	523 lx
2.5m	1.81m	335 lx
3.0m	2.17m	233 lx

Offset	Cone Width	Illuminance
0.5m	0.36m	12635 lx
1.0m	0.72m	3159 lx
1.5m	1.09m	1404 lx
2.0m	1.45m	709 lx
2.5m	1.81m	505 lx
3.0m	2.17m	351 lx

1060023 24° LENS



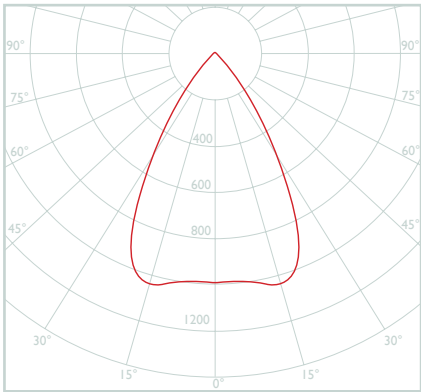
Offset	Cone Width	Illuminance
0.5m	0.21m	11720 lx
1.0m	0.42m	2930 lx
1.5m	0.63m	1302 lx
2.0m	0.84m	732 lx
2.5m	1.04m	469 lx
3.0m	1.25m	326 lx

Offset	Cone Width	Illuminance
0.5m	0.21m	19219 lx
1.0m	0.42m	4805 lx
1.5m	0.63m	2135 lx
2.0m	0.84m	1201 lx
2.5m	1.04m	769 lx
3.0m	1.25m	534 lx

INPACT 150 LED 35W

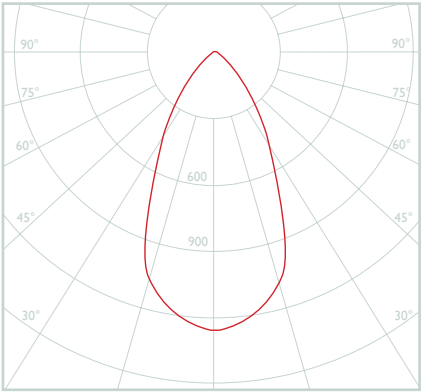
35W

61° LENS



Offset	Cone Width	Illuminance
0.5m	0.59m	8390 lx
1.0m	1.17m	2097 lx
1.5m	1.76m	932 lx
2.0m	2.35m	524 lx
2.5m	2.93m	336 lx
3.0m	3.52m	233 lx

1060023 50° LENS

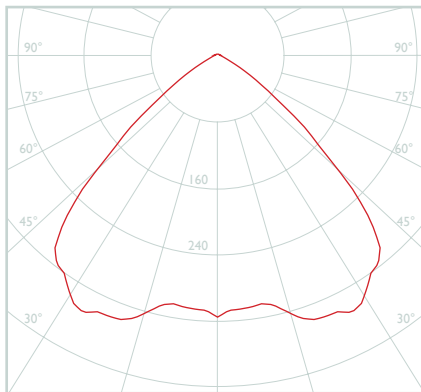


Offset	Cone Width	Illuminance
0.5m	0.47m	9748 lx
1.0m	0.94m	2437 lx
1.5m	1.41m	1083 lx
2.0m	1.88m	609 lx
2.5m	2.35m	390 lx
3.0m	2.82m	271 lx

INPACT PHOTOMETRICS

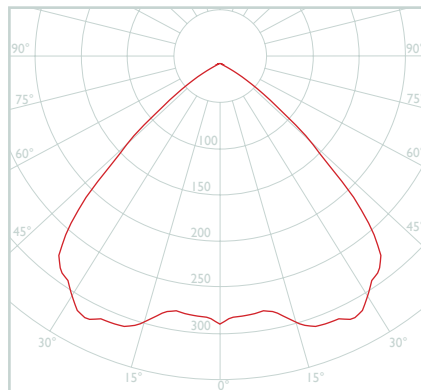
INPACT 230

2 x 18W



Offset	Cone Width	Illuminance
1.0m	2.17m	754.6lx
2.0m	4.33m	188.6lx
3.0m	6.50m	83.8lx
4.0m	8.67m	47.2lx
5.0m	10.83m	30.2lx

2 x 32W

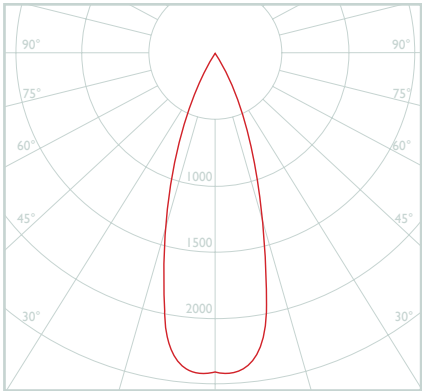


Offset	Cone Width	Illuminance
1.0m	2.17m	1389.6lx
2.0m	4.33m	347.4lx
3.0m	6.50m	154.4lx
4.0m	8.67m	86.8lx
5.0m	10.83m	55.6lx

INVARIO 75 13W LED

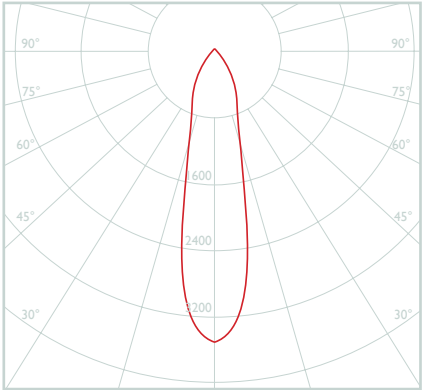
13W

35° LENS



Offset	Cone Width	Illuminance
0.5m	0.32m	6779 lx
1.0m	0.63m	1695 lx
1.5m	0.95m	753 lx
2.0m	1.27m	424 lx
2.5m	1.59m	271 lx
3.0m	1.90m	188 lx

1060021 24° LENS



Offset	Cone Width	Illuminance
0.5m	0.21m	8651 lx
1.0m	0.42m	2163 lx
1.5m	0.63m	961 lx
2.0m	0.84m	541 lx
2.5m	1.04m	346 lx
3.0m	1.25m	240 lx







DIALux

Autodesk® Revit®

SLA Australian Customer Service Centres:

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Gerard Lighting Group Ltd
20 Bishop Street
Woolner NT 0820
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Fax: 03 9689 5611
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