

# The Giro Series



...Taking you forward

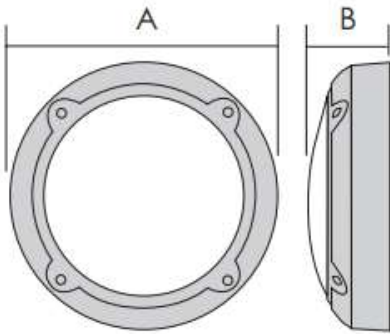


A comprehensive range of attractive, vandal resistant luminaires suitable for internal and external use.

Designed for use where the aesthetics of the lighting scheme and a robust construction are of paramount consideration. Available in two base sizes, the range offers a host of lamp, LED and operating options. The range also offers a 353mm metal based version which has multiple side entries to suit a variety of installations. The fittings are provided with a plain opal diffuser. Options are also available with cage, eyelid or louvered fascia to reduce upward glare, providing greater direction and emphasis of illumination to architectural and design environments.

- 283mm and 353mm base.
- Various lamp options + LED options.
- Screw down cover.
- Anti-tamper screws available.
- Photocell version available (external use only).
- PIR versions available.
- HI-LO PIR (luminaire at 10% during periods of inactivity, 100% light output when HI-LO PIR detects movement).
- eMotion™ options (internal only).
- Opal or Fresnel diffuser.

Plain

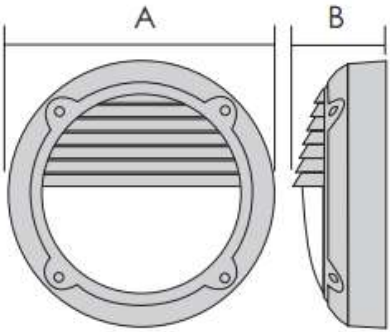


Size	HR2	HR3
A	283mm	353mm
B	103mm	110mm

LED
LED 600
LED 1800
LED 16
LED 22

Colour Finish	Diffuser	CRI	System Power	Delivered Lumens	Efficacy	Options
Black	Premium Opal	80	7.8W	453lm	58lm/W	<a href="#">Click to View</a>
Black	Premium Opal	75	16.7W	1111lm	66.5lm/W	<a href="#">Click to View</a>
Black	Premium Opal	80	24.6W	1020lm	41.5lm/W	<a href="#">Click to View</a>
Black	Premium Opal	80	32.9W	1901lm	57.9lm/W	<a href="#">Click to View</a>

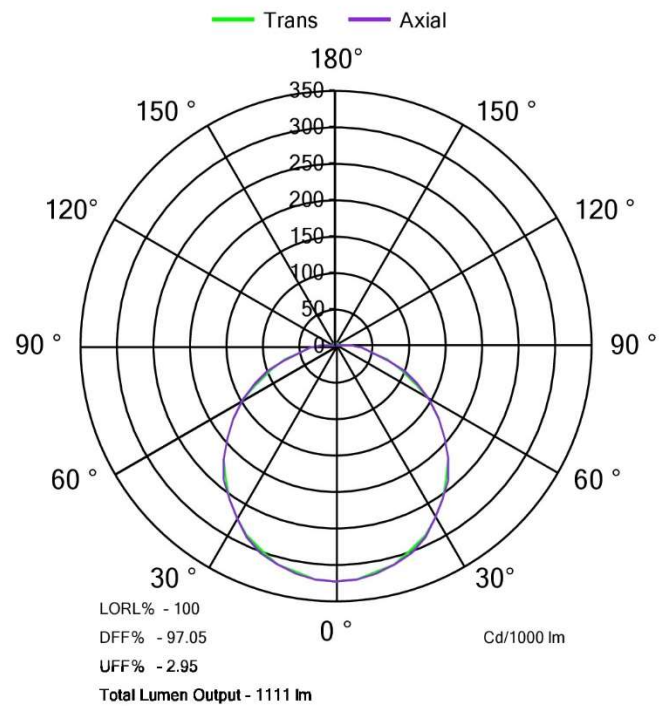
Louvre



Size	HR2	HR3
A	283mm	353mm
B	113mm	122mm

LED
LED 600
LED 1800
LED 16
LED 22

Colour Finish	Diffuser	CRI	System Power	Delivered Lumens	Efficacy	Options
Black	Premium Opal	80	8.9W	189lm	21.2lm/W	<a href="#">Click to View</a>
Black	Premium Opal	75	16.6W	476lm	28.7lm/W	<a href="#">Click to View</a>
Black	Premium Opal	80	24.5W	599lm	24.5lm/W	<a href="#">Click to View</a>
Black	Premium Opal	80	32.9W	789lm	24lm/W	<a href="#">Click to View</a>



## Luminaire Data

Luminaire Efficiency ( LOR): 100

Luminaire Efficacy lm/W : 66.5

CIE Flux Codes : 45 76 92 97 100

System Power W : 16.7

Diameter mm : 353

Height mm : 110

CRI / Colour Rendering Group : 75

IP 65 protection class

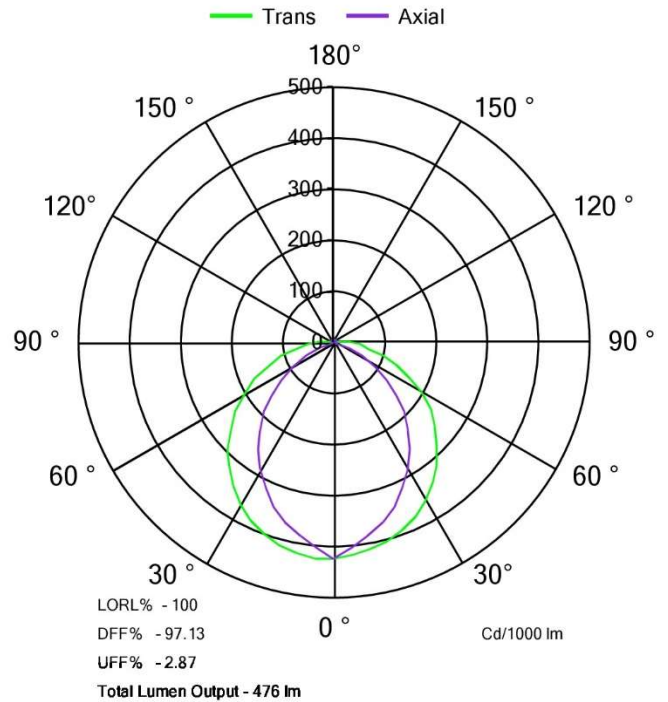
LED Light Source

Class 1 Luminaire

F Mark Luminaire

	Cd/1000 lm Axial	Trans.
0°	322.92	322.92
5°	321.82	321.32
10°	317.13	314.74
15°	309.65	308.25
20°	300.06	298.67
25°	288.08	287.39
30°	272.21	272.71
35°	255.64	254.84
40°	237.67	236.58
45°	217.91	217.11
50°	193.65	194.85
55°	171.99	171.19
60°	147.54	146.74
65°	122.38	121.48
70°	97.92	96.93
75°	74.27	73.27
80°	53.20	51.81
85°	34.54	34.54
90°	21.26	21.26
95°	11.98	10.68
100°	5.29	5.29
105°	2.70	2.70
110°	2.70	2.70
115°	2.70	2.70
120°	2.70	2.70
125°	2.70	2.70
130°	2.70	3.34
135°	2.70	3.99
140°	3.99	3.99
145°	3.99	3.99
150°	3.99	3.99
155°	3.99	3.99
160°	3.99	3.99
165°	3.99	3.99
170°	3.99	3.99
175°	3.99	3.99
180°	3.99	3.99





Utilization Factors UF( ) Standard Presentation							SHR NOM = 1.5				
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.5	2.0	2.5	3.0	4.00	5.00
0.70	0.50	0.20	1.06	1.19	1.31	1.38	1.49	1.55	1.60	1.66	1.70
	0.30		1.04	1.19	1.32	1.42	1.55	1.63	1.69	1.78	1.83
	0.10		1.03	1.19	1.34	1.44	1.59	1.70	1.77	1.88	1.95
	0.50	0.20	1.05	1.17	1.29	1.36	1.47	1.53	1.58	1.64	1.67
0.50	0.30		1.04	1.18	1.31	1.40	1.52	1.60	1.66	1.74	1.79
	0.10		1.02	1.18	1.32	1.42	1.56	1.66	1.73	1.83	1.89
	0.30	0.20	1.04	1.16	1.27	1.35	1.45	1.51	1.55	1.61	1.65
0.30	0.30		1.03	1.16	1.29	1.38	1.49	1.57	1.63	1.70	1.75
	0.10		1.02	1.16	1.30	1.40	1.54	1.63	1.69	1.78	1.84
	0.00	0.00	0.00	1.01	1.15	1.29	1.38	1.51	1.60	1.66	1.74
Rating: Photometrically tested without ceiling board.											
Multiply UF values by service correction factors.											
Calculated in accordance with CIBS Technical Memorandum No. 5											

	Cd/1000 lm	
	Axial	Trans.
0°	423.74	423.74
5°	404.32	421.43
10°	385.70	415.18
15°	363.87	407.42
20°	342.15	395.01
25°	314.12	380.99
30°	286.09	362.32
35°	258.17	340.60
40°	227.03	317.23
45°	192.80	290.80
50°	161.77	261.27
55°	127.53	233.24
60°	93.30	199.05
65°	59.06	167.97
70°	31.13	133.74
75°	6.21	102.61
80°	3.10	74.68
85°	3.10	51.30
90°	3.10	31.13
95°	3.10	18.62
100°	3.10	9.31
105°	3.10	3.10
110°	3.10	3.10
115°	3.10	3.10
120°	3.10	3.10
125°	3.10	3.10
130°	6.21	3.10
135°	6.21	6.21
140°	6.21	6.21
145°	6.21	6.21
150°	6.21	6.21
155°	6.21	6.21
160°	6.21	6.21
165°	6.21	6.21
170°	6.21	6.21
175°	6.21	6.21
180°	6.21	6.21

## Luminaire Data

Luminaire Efficiency ( LOR): 100

CCT : 4000K

Luminaire Efficacy lm/W : 28.7

CIE Flux Codes : 52 83 96 97 100

System Power W : 16.6

Diameter mm : 353

Height mm : 110

CRI / Colour Rendering Group : 75

IP 65 protection class

LED Light Source

Class 1 Luminaire

F Mark Luminaire