

CATALOG #	TYPE
JOB NAME	VOLTAGE

GRR-04205-2000L  
GRR-04205-1500L  
GRR-04205-1000L

## GAZELLE 4" LED Regressed Lens Downlight

10% Dimming • WFL • White Trim • 3500°K • Type IC  
90,000 Hour Life • LM-80 Qualified • LM-79 Photometry



### Specifications

#### Delivered System Performance\*

- Lumen Series: **MUST SPECIFY**
- 2000L: 2000 nominal lumens (25W).
- 1500L: 1500 nominal lumens (20W).
- 1000L: 1000 nominal lumens (11W).
- Distribution: WFL standard.
- Optional: -NFL or -MFL.
- Color temperature: 3500°K standard.
- Optional: -30K or -41K.
- CRI: 80+. 3-step binning for exceptionally consistent color.
- 90,000 hour life (L70\*\*).
- Fully sustainable: removable for servicing.

#### Thermal Management System

- All aluminum heat sink, components and housing maximize cool operation and long life while minimizing maintenance.

#### LED Power Supply - INTERNAL

- 0-10V CCR dimming standard. (100-10%)**
- 120-277V / 50-60Hz standard. Load insensitive.
- Suitable for outdoor / indoor use:

-30°C (-22°F) to 60°C (140°F).

#### Trim Assembly

- White seamless tapered aluminum self-flanged trim (field paintable).
- Regressed tempered prismatic lens.

#### Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
- Cool operation: Extends life of all components.
- Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built-in plaster flange.

#### Outlet Box

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with 1/2" and 3/4" knockouts.

#### Installation

- Recess indoor or outdoor.
- Accommodates ceilings up to 1-1/8" thick.
- Compatible with fire rated enclosures (by others).
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.

#### UL, C-UL (Canada) Listings



QuickShip  
Program  
Luminaire

- Wet, damp or dry locations, covered ceilings.
- Type IC: for direct contact with insulation.
- Through-branch conductors (4 #12 AWG 90°C) for Type IC Listing.

#### IEC & FCC Compliance

- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment.
  - FCC Part 15 certified for EMI/RFI emissions.
- FIVE YEAR Limited Warranty**
- Complete standard fixture.

MUST SPECIFY	OPTIONAL	Ordering Example: GRR-04205-2000L-MFL-45-46
Product Number	Options	
GRR-04205-2000L GRR-04205-1500L GRR-04205-1000L	See "Options" below	

### Options

#### LED Power Supply

- EI Remote emergency inverter for 100% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage.

#### Color (CCT)

- 30K Color temperature 3000°K instead.
- 41K Color temperature 4100°K instead.

#### Optics

- MFL Medium flood distribution.
- NFL Narrow flood distribution.

#### Trim

- 45 Gasket between trim flange and ceiling.
- 46 Gasket between trim and lens.



QuickShip  
Program  
Luminaire

- Orders received by 10 AM (ET) ship by 5 PM within 5 business days
- Freight allowed: Over \$8000
- Consult factory for quantities greater than 200 units

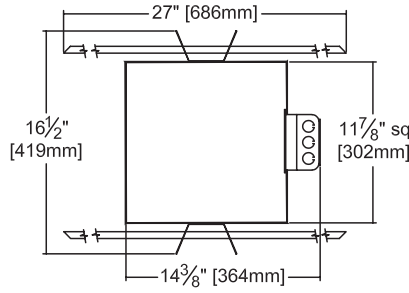
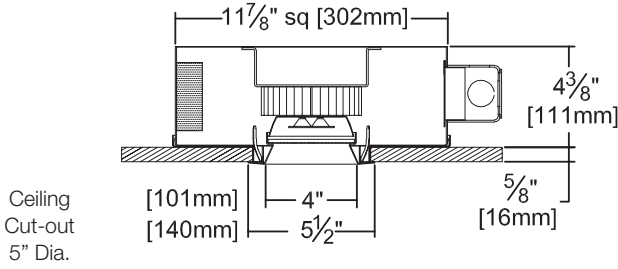
Projected L70** for Kirlin Luminaires	
In Open Plenum	90,000 hours
In Insulation (Type IC)	60,000 hours

\*\*Hours at 70% lumen maintenance

# GRR-04205-1500L

## PERFORMANCE

### Dimensions



QuickShip Program Luminaire

### Detailed Photometry - Installed Fixture

Photometric testing done in accordance with IESNA LM-79

Photometry from I.T.L., Boulder, CO

#### -1500L STANDARD (WFL)

Lumens: 1363  
Beam: ~58°  
SC: 1.1  
LPW: 65  
Efficiency: 67.4%  
ITL Test: 87235-REV

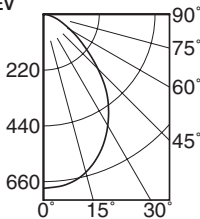


Total System Watts 21.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	679	679	679	679	679
5	675	675	675	675	675
15	638	638	638	638	638
25	555	555	555	555	555
35	440	440	440	440	440
45	296	296	296	296	296
55	165	165	165	165	165
65	80	80	80	80	80
75	33	33	33	33	33
85	7	7	7	7	7
90	0	0	0	0	0

#### Cone of Light ▲

Dist.	FC	Dia.
6	18.9	6.6
8	10.6	8.8
10	6.8	11.1
12	4.7	13.2
14	3.5	15.4
16	2.7	17.6



#### -1500L Option -NFL

Lumens: 1800  
Beam: ~21°  
SC: 0.4  
LPW: 86  
Efficiency: 89.0%  
ITL Test: 87207

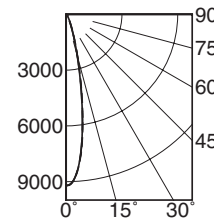


Total System Watts 21.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	9207	9207	9207	9207	9207
5	8070	8084	8047	8039	8032
15	2399	2410	2328	2300	2292
25	535	487	448	474	517
35	173	155	147	154	164
45	76	76	76	76	76
55	39	39	38	40	40
65	17	17	17	17	17
75	6	6	6	6	6
85	1	1	1	1	1
90	0	0	0	0	0

#### Cone of Light ▲

Dist.	FC	Dia.
6	255.8	2.2
8	143.9	2.9
10	92.1	3.6
12	63.9	4.3
14	47.0	5.0
16	36.0	5.8



#### -1500L Option -MFL

Lumens: 1685  
Beam: ~38°  
SC: 0.7  
LPW: 80  
Efficiency: 83.3%  
ITL Test: 87208

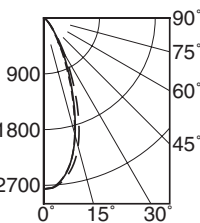


Total System Watts 21.0

CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	2758	2758	2758	2758	2758
5	2684	2693	2702	2691	2679
15	1936	2045	2143	2067	1956
25	866	965	1087	1025	932
35	311	347	392	379	352
45	123	129	139	140	131
55	50	52	55	51	50
65	20	20	21	21	21
75	4	4	5	5	5
85	0	0	0	0	0
90	0	0	0	0	0

#### Cone of Light ▲

Dist.	FC	Dia.
6	76.6	4.1
8	43.1	5.5
10	27.6	6.8
12	19.2	8.2
14	14.1	9.6
16	10.8	11.0



LUMEN SERIES	LUMEN FACTOR	WATTAGE FACTOR	LPW FACTOR
-2000L	1.257	1.369	0.92
-1500L	1.000	1.000	1.00
-1000L	0.579	0.495	1.17

### LM-80 Qualified • LM-79 Certified Photometry

\* LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from Independent Testing Laboratories (ITL) where photometry was measured from 2022 lumen (-1500L) light engines (within the established tolerance).

▲ Cone of Light Key  
Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (ft.) from fixture  
FC Footcandles at nadir (0°)  
Dia. Circle of light at 50% of FC

## SUBMITTAL DATA

JOB NAME  
  
TYPE  
  
CATALOG NUMBER

VOLTAGE

## APPROVAL STAMP



LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective failure of the fixture at the office of manufacturer within the years of original shipment. Liability of manufacturer is limited to the original manufacturer. Liability of manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer on date of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend the specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.