

# GR16

**Garage 16" Diameter Luminaire**  
**Low Glare / Edge Lit Design**  
**IP65/IK08/3G Vibration**

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

## SPECIFICATIONS

- **MINIMUM ORDER QUANTITY** — 300pcs
- **CCT / CRI** — 3000K / 4000K / 5000K / 6500K | >80 CRI.
- **DIFFUSER** — Low glare diffuser for even light distribution. 180° Beam Angle.
- **DRIVER** — Universal Voltage (120~277V), 50/60Hz electronic driver with 0-10V dimming is standard. Optional 347V or 480V. Driver features 10kV surge protection.
- **HOUSING** — Die cast aluminum alloy housing with high thermal conductivity optimizes heat dissipation.
- **LIFE SPAN** — @Ta 25°C: 69,000hr (L70B10) / 78,000hr (L70B50)
- **LIGHT ENGINE** — Energy Efficient Edge Lit LED design.
- **MOUNTING** — Standard Ceiling Mount via Quick Mount Plate direct to ceiling or J-BOX. Optional Trunnion or Pendant Mount. Installation Height of 9.8 - 65ft.
- **OPERATING TEMPERATURE** — -30°C~+50°C
- **COMPLIANCE** — Built to comply with U.S. and Canadian Safety Standards. Suitable for Wet Locations. c/UL and DLC Listed. IP65/IK08/3G Vibration Rated.
- **WARRANTY** — 5 Year Limited Warranty.



ORDERING GUIDE:	Series	Mounting	LED Wattage	CCT	Voltage	Finish	Options

### SERIES

Note: Minimum Order Quantity = 300pcs  
**GR16** = Garage 16" Diameter Luminaire

### MOUNTING

**CM** = Ceiling Mount (STANDARD)  
**PEND** = Pendant Mount  
**TRUN** = Trunnion Mount Bracket

### LED WATTAGE

#### LED Main Wattages (Standard)

**LED32** = 32 Watt LED | 3800 Lumens  
**LED45** = 45 Watt LED | 5400 Lumens  
**LED70** = 70 Watt LED | 8000 Lumens  
**LED90** = 90 Watt LED | 10,000 Lumens

#### LED Uplight Wattages (Optional)

**UP7** = 7 Watt LED Uplight | 830 Lumens  
**UP10** = 10 Watt LED Uplight | 1190 Lumens

### LED COLOR TEMPERATURE (CCT)

**3K** = ±3000K range  
**4K** = ±4000K range (STANDARD)  
**5K** = ±5000K range  
**65K** = ±6500K range

### DRIVER VOLTAGE

**347** = 347 Volt  
**480** = 480 Volt  
**UNV** = Universal Volt (120-277v) Electronic Driver

### FINISH

**WH** = White

### MISC OPTIONS

**BS** = Bird Shield  
 — Uplight Not Available with Bird Shield  
**FUS** = Single Fusing  
**SG** = 10KA Surge Protection (ANSI spec C62.41.2)

### EMERGENCY / SENSOR OPTIONS

**EL** = Emergency Battery Light  
**OCC** = Occupancy Sensing | Integral Motion Sensor

### TELLELIGHT WIRELESS CONTROL SYSTEM

#### Certified Bluetooth Mesh Components & Topology

**Standard Fixture Options:** (Question? Consult Factory Rep)

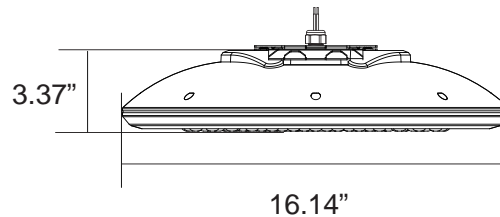
**TSC3** = Internal Fixture Controller w/External Antennae Cover  
 — TSC3 Requires Sensor

**TSS14** = Internal PIR Low Bay Sensor w/External Lens

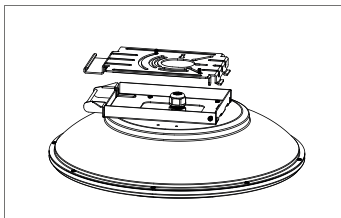
**TSS12\*** = External PIR Low Bay Sensor. 120-277VAC Powered  
 — TSS12 is Junction Box Mounted

\*Additional Sensor Options: [TelleLight Brochure](#)

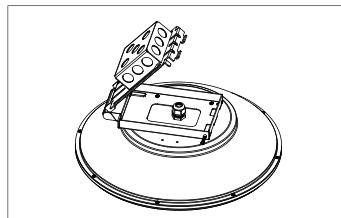
## DIMENSIONS



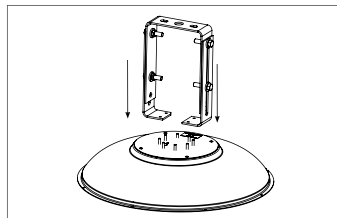
## MOUNTING



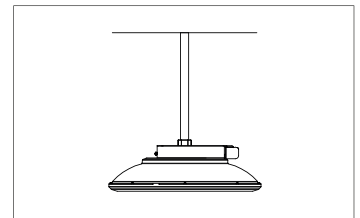
**Ceiling Mount (CM)** includes Quick Mount Bracket which can mount directly to ceiling or J-BOX



**Trunnion Mount Bracket (TRUN)**



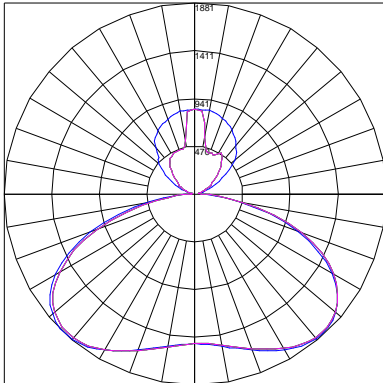
**Pendant Mount (PEND)**



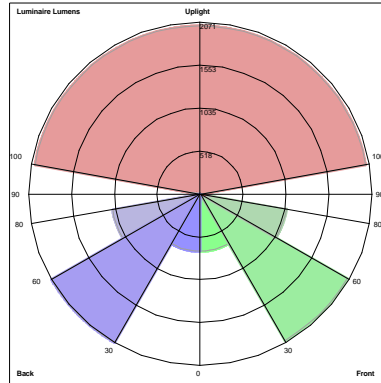
PHOTOMETRIC DATA

TEST REPORT #: 104472571CHI-001   CATALOGUE #: GR16-PEND-LED75-(2)UP7-4K-UNV-WH   TEST DATE: 10/15/2020								
Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Uplight Wattage	Color Temp	Distribution	BUG Rating
9943.7 Lumens	134.6 LPW	617.3mA	120.0V	73.8W	(2)7.0W	4000K	Type VS	B3-U5-G2

POLAR GRAPH

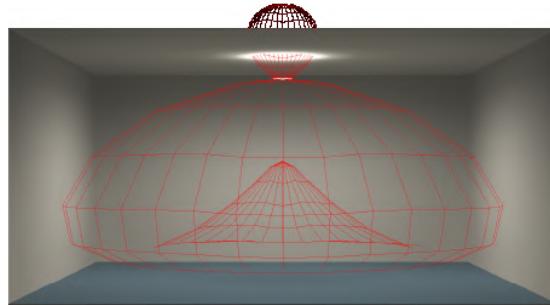
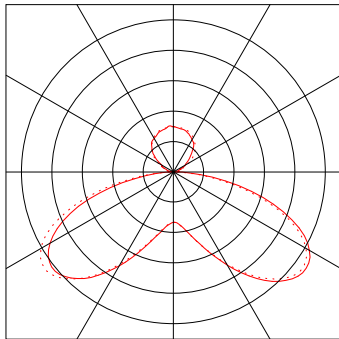


LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



LCS Summary	
Zone	Lumens
Forward Low (0-30)	691.1
Forward Medium (30-60)	2043.4
Forward High (60-80)	1057.5
Forward Very High (80-90)	118.5
Back Low (0-30)	692.5
Back Medium (30-60)	2070.7
Back High (60-80)	1074.2
Back Very High (80-90)	118.8
Up Low (90-100)	52.0
Up High (100-180)	2025.9

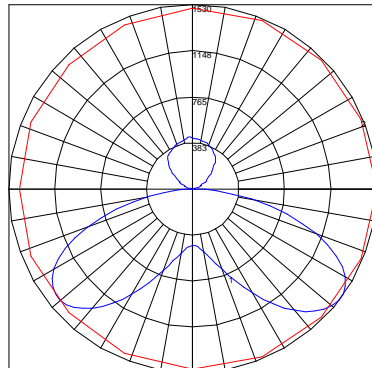
CATALOGUE #: GR16-PEND-LED70-UP7-3K-2EBU-WH-TL   TEST DATE: 7/13/2020								
Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Uplight Wattage	Color Temp	Distribution	BUG Rating
6961.1 Lumens	102.37 LPW	566.0mA	120.1V	69.9W	7.0W	3000K	Type VS	B2-U5-G2



LCS Summary	
Zone	Lumens
Forward Low (0-30)	308.8
Forward Medium (30-60)	1,559.7
Forward High (60-80)	1,007.4
Forward Very High (80-90)	102.5
Back Low (0-30)	304.9
Back Medium (30-60)	1,517.6
Back High (60-80)	963.1
Back Very High (80-90)	97.4
Up Low (90-100)	23.5
Up High (100-180)	1,076.1

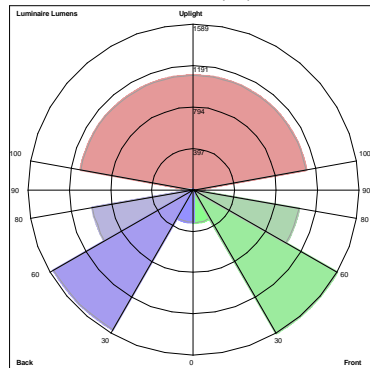
CATALOGUE #: GR16-PEND-LED70-UP7-4K-UNV-WH   TEST DATE: 7/13/2020								
Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Uplight Wattage	Color Temp	Distribution	BUG Rating
7091 Lumens	105 LPW	566.0mA	120.1V	67.50W	7.0W	4000K	Type VS	B2-U5-G2

POLAR GRAPH



Maximum Candela = 1530.022 Located At Horizontal Angle = 360, Vertical Angle = 52.5  
 #1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
 #2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



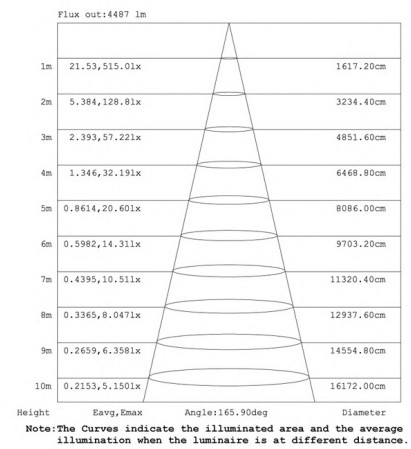
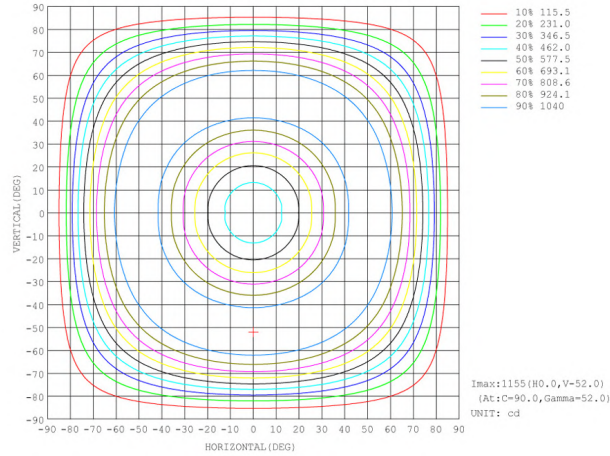
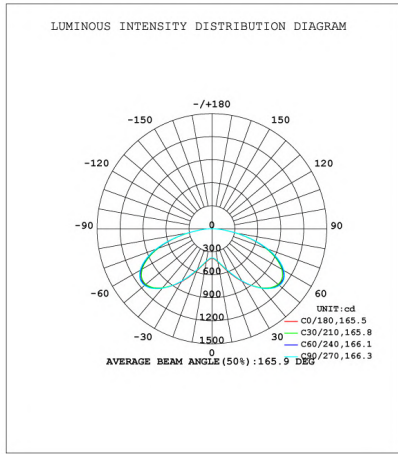
Luminaire Lumens:  
 Front: Low=314.4, Medium=1988.6, High=1026.2, Very High=104.6  
 Back: Low=310.4, Medium=1545.7, High=981.1, Very High=99.4  
 Uplight: Low=24.0, High=1096.4  
 BUG Rating : B2-U5-G2

LCS Summary	
Zone	Lumens
Forward Low (0-30)	314.4
Forward Medium (30-60)	1,588.6
Forward High (60-80)	1,062.2
Forward Very High (80-90)	104.6
Back Low (0-30)	310.4
Back Medium (30-60)	1,545.7
Back High (60-80)	981.1
Back Very High (80-90)	99.4
Up Low (90-100)	24.0
Up High (100-180)	1,096.4

PHOTOMETRIC DATA

TEST REPORT: GR1645W4K | CATALOGUE #: GR16-LED45-4K | TEST DATE: 6/3/2018

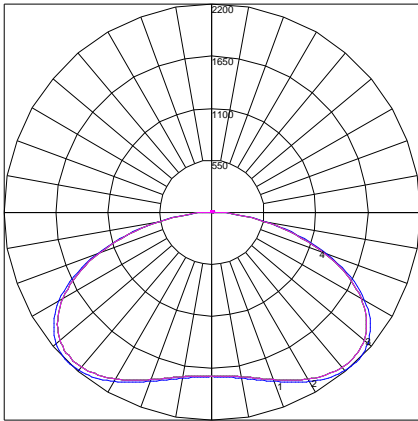
Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Power Factor	Frequency	Color Temp
4595.02 Lumens	106.39 LPW	0.3907A	110.8V	45.19W	0.9975	49.99Hz	4000K



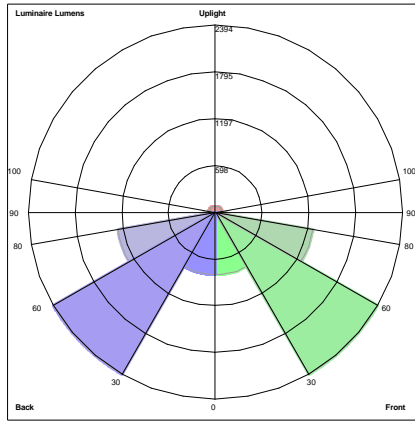
TEST REPORT: GR1670W3KUNV | CATALOGUE #: GR16-LED70-3K-UNV | TEST DATE: 8/27/2020

Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Power Factor	Color Temp	BUG Rating
9290.5 Lumens	131.8 LPW	0.6444A	110.1V	70.5W	0.9938	3000K	B3-U3-G2

POLAR GRAPH



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH

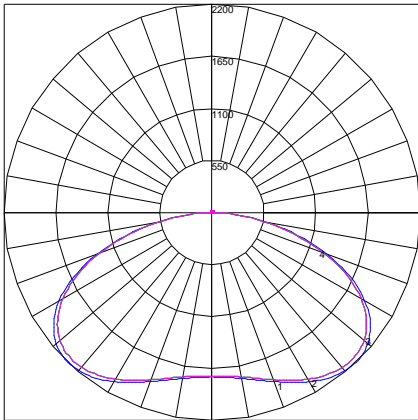


LCS Summary	
Zone	Lumens
Forward Low (0-30)	799.5
Forward Medium (30-60)	2393.7
Forward High (60-80)	1268.2
Forward Very High (80-90)	141.0
Back Low (0-30)	799.5
Back Medium (30-60)	2393.7
Back High (60-80)	1268.2
Back Very High (80-90)	141.0
Up Low (90-100)	7.6
Up High (100-180)	78.1

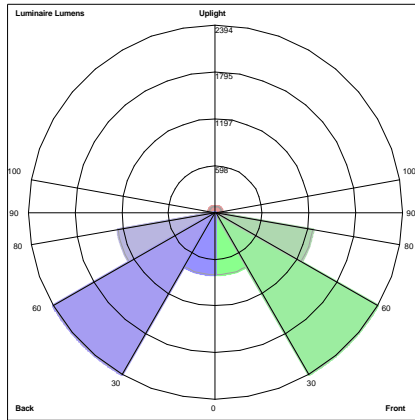
TEST REPORT: GR1670W4KUNV | CATALOGUE #: GR16-LED70-4K-UNV | TEST DATE: 8/27/2020

Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Power Factor	Color Temp	BUG Rating
9875.2 Lumens	141.3 LPW	0.6396A	110.2V	69.9W	0.9928	4000K	B3-U3-G2

POLAR GRAPH



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



LCS Summary	
Zone	Lumens
Forward Low (0-30)	849.3
Forward Medium (30-60)	2551.6
Forward High (60-80)	1346.9
Forward Very High (80-90)	144.1
Back Low (0-30)	849.3
Back Medium (30-60)	2551.6
Back High (60-80)	1346.9
Back Very High (80-90)	144.1
Up Low (90-100)	8.1
Up High (100-180)	83.3

PHOTOMETRIC DATA

TEST REPORT: GR1690W4K | CATALOGUE #: GR16-LED90-4K | TEST DATE: 3/3/2020

Lamp Output	Lumen Efficacy	Current	Input Voltage	Input Wattage	Power Factor	Frequency	Color Temp
10,488.1 Lumens	115.58 LPW	0.3996A	230.4V	90.74W	0.9856	49.99Hz	4000K

