DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

LSQ SERIES
LUMASQUARE

FEATURES

- Available in two sizes and four outputs up to 9,000 lumens

- A specially designed acrylic lens provides ultimate glare control which "softens" the light for no pixilation and unprecedented visual comfort

- Seamless retrofit solution for traditional HID sources up to 250W

- Wireless control, motion sensor, photocontrol and emergency battery back-up capability

- Polycarbonate vandal shield available

- Available in 3000K, 4000K and 5000K nominal CCT

LSQ1

LSQ2

RELATED PRODUCTS

🔗 NRG 4000   🔗 Drive Family   🔗 Endura

CONTROL TECHNOLOGY

SiteSync
LIGHTING CONTROL

SPECIFICATIONS

CONSTRUCTION
- Rugged die-cast aluminum housing with corrosion resistant powder coat finish both protects and provides architectural appearance

- Heat dissipating fins provide superior thermal performance extending the life of the electronic components

OPTICS
- 3000K, 4000K and 5000K CCT nominal with 70 CRI

- Impact resistant acylic diffuser

- Low luminance soft glow lens provides blended

- Non pixilated light for unprecedented visual comfort

INSTALLATION
- Mounts to 4" junction box and includes a gasket to seal electrical connections

- Mounting plate and hook on fixture allow easy 4 step installation and wiring

- Four ½" threaded conduit hubs for surface conduit provided

ELECTRICAL
- 20–277V, 50/60Hz electronic drivers

- 347V and 480V available in larger LSQ2 housing

- 10kA surge protection included

CONTROLS
- Button photocontrol for dusk to dawn energy savings

- Stock versions include 120V–277V PC with a cover which provides a choice to engage photocontrol or not PC is installed in top hub

- Occupancy sensor available for on/off and dimming control in larger LSQ1 and LSQ2 housing

- SiteSync™ wireless lighting control delivers flexible control strategies for reducing power consumption and minimizing maintenance costs while delivering the right light levels with a simple and affordable wireless solution. See ordering information or visit www.hubbelllighting.com/sitesync for more details

- Battery backup options available in larger LSQ2 housing rated for either 0˚C or -30˚C

- Performance exceeds NEC requirement providing 1 fc minimum over 10'x10' at 11' mounting height

- Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging.

- EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

CERTIFICATIONS
- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org

- Listed to UL1598 for use in wet location, listed for -40°C to 40°C applications

- Non-IC rated

- IP65

WARRANTY
- 5 year warranty

- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3055–9431
Wattage Range	24–74
Efficacy Range (LPW)	117–133
Fixture Projected Life (Hours)	L70>185K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

HUBBELL Lighting

LSQ SERIES
LUMASQUARE

ORDERING GUIDE

Example: LSQ1-25–4K7–UNV–DBT–PCU

CATALOG #

Family		CCT/CRI		Voltage		Color/Finish		Control Options		Options	
LSQ1-25	Size 1, 25w / 3,000lm	**3K7**	3000K, 70CRI	**UNV**	120V–277V	**BLT**	Black Matte Textured	**PCU**	Button Photocontrol (120–277V)	**E**	Battery Backup Unit (0°C)[1,5]
LSQ1-40	Size 1, 40w / 4,500lm	**4K7**	4000K, 70CRI	**120**	120V	**BLS**	Black Gloss Smooth	**SCP**	Sensor Control, Programmable (Dim)[2,3]	**EH**	Battery Backup Unit (-30°C)[1,5]
LSQ2-55	Size 2, 55w / 7,000lm	**5K7**	5000K, 70CRI	**208**	208V	**DBT**	Dark Bronze Matte Textured	**SWP**	SiteSync, Pre-Commission[1,2]	**F**	Fusing (voltage specific)*
LSQ2-70	Size 2, 75w / 9,000lm			**240**	240V	**DBS**	Dark Brone Gloss Smooth	**SWPM**	SiteSync, Pre-Commission w/ Motion Sensor[1,2]	**2DR**	Dual Drivers[1]
				277	277V	**GTT**	Graphite Matte Textured	**Specify MTG HT for SCO/SCP & SWPM**		**2PF**	Dual Power Feed[1,4]
				UHV	347/480	**LGS**	Light Grey Gloss Smooth	**8F**	Up to 8ft mounting height	**SPC**	Polycarbonate Vandal Shield
						PSS	Platinum Silver Smooth	**20F**	Up to 20ft mounting height		
						WHT	White Matte Textured				
						WHS	White Gloss Smooth				
						VGT	Verde Green Textured				
						Color Option					
						CC	Custom Color				

Notes:

1   Available in LSQ2-55 and LSQ2-70 only

2   Available in 120V-277V only

3   Must order minimum of one remote control (SCP-REMOTE) to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings (120-277V only)

4   Comes with Dual Driver (2DR) option

5   Must specify voltage, 120 or 277V only

ACCESSORIES

	Catalog Number	Description
☐	**SCP-REMOTE**	Remote control for SCP option. Order a minimum of one per project to program and control fixtures
☐	**SCP-SPC**	Polybarbonate Vandal Shield

PERFORMANCE DATA

Catalog number	# of LEDs	Drive Current	System Watts	Distribution	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
					Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G
LSQ1	176	43mA	24.3	V	3181	131	2	3	2	3170	131	2	3	2	3055	126	2	3	2
		65mA	38.1	V	4626	121	2	3	2	4610	121	2	3	2	4443	117	2	3	2
LSQ2	352	43mA	54.6	V	7246	133	2	3	2	7221	132	2	3	2	6959	127	2	3	2
		65mA	73.5	V	9431	128	2	3	2	9398	128	2	3	2	9057	123	2	3	2

1   Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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ELECTRICAL DATA

Catalog number	# of Drivers	Input Voltage	Current (Amps)	System Power
LSQ1-25	1	120	0.21	25.7
		277	0.09	
LSQ1-40		120	0.31	37.0
		277	0.13	
LSQ2-55	1	120	0.43	51.3
		277	0.19	
LSQ2-70		120	0.60	71.8
		277	0.26	

PROJECTED LUMEN MAINTENACE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	TM-21-111 36,000	50,000	100,000	
25°C / 77°F	1.00	0.95	0.93	0.91	0.83	>185,000
40°C / 104°F	0.97	0.92	0.90	0.88	0.80	>170,000

Projected per IESNA TM-21-11 * (Nichia 219B, 700mA, 85°C Ts, 10,000hrs) Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
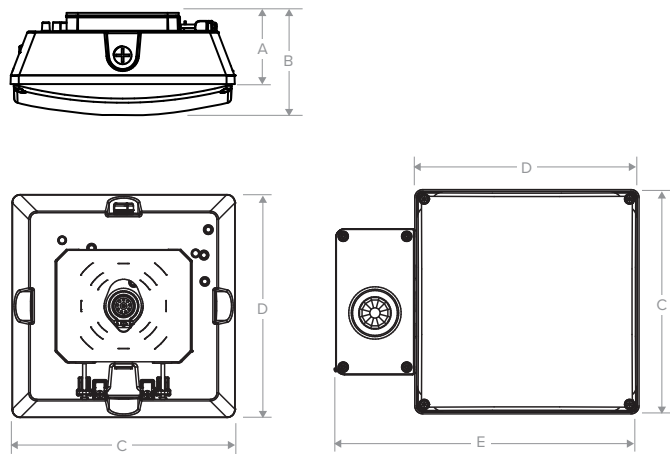
LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0° C	32° F	1.03
10° C	50° F	1.02
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.97
50° C	122° F	0.96

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).
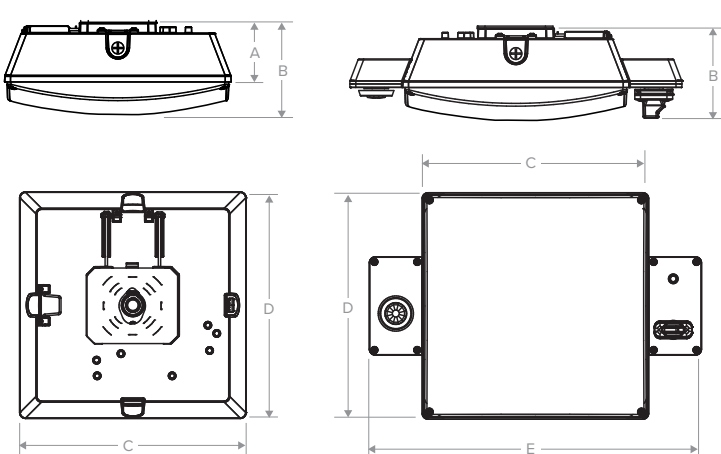
DIMENSIONS

LSQ1

A	B	C	D	E	Weight
3.0"	4.0"	10.0"	10.0"	13.5"	10 lbs.
76.2 mm	101.6 mm	254 mm	254 mm	343 mm	4.5 kg

LSQ2

A	B	C	D	E	Weight
4.0"	6.0"	14.8"	14.8"	21.9"	15.5 lbs.
101.6 mm	152.4 mm	375 mm	375 mm	556 mm	7.0 kg

HUBBELL Lighting
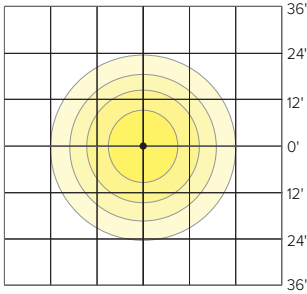
LSQ SERIES
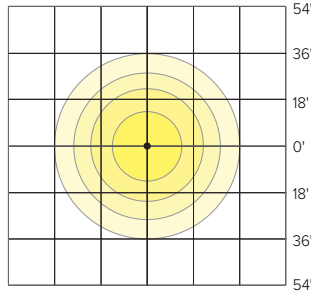LUMASQUARE

HUBBELL Lighting

PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

LSQ1 – Mounting Height: 12ft

LSQ2 – Mounting Height: 18ft

ADDITIONAL INFORMATION

SHIPPING INFORMATION

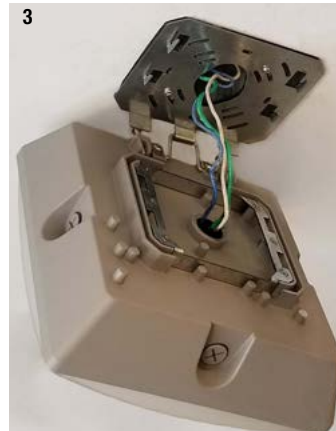| Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LSQ1	10lbs (4.5 kg)	9.5 (24)	8.25 (21)	5.25 (13.32)	6
LSQ2	15.5lbs (7 kg)	14 (35.5)	11.5 (29.2)	8 (20.3)	2

INSTALLATION

1

Mount plate to junction box.

2

Hang fixture on mounting plate with provided integral hook.

3

Complete wiring connections.

4

Two mounting screws close and secure fixture to the mounting bracket.

USE OF TRADEMARKS AND TRADE NAMES

HUBBELL Lighting