

# ACADEMY

## Opal Prism



Linear LED luminaire typically used in education applications

- White painted steel body with polycarbonate opal diffuser and secured endcaps
- 1200, 1500 & 1800mm luminaire 2000 to 8000 Lumens, efficacy up to 116 Llm/cW
- Surface or suspension mounted

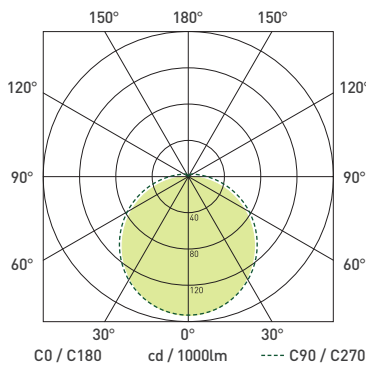


### LAC12P22S40

#### LUMINAIRE PERFORMANCE

Light Output Ratio: 100%  
 Luminaire Efficacy: 115.18 lm/W  
 Light Distribution: A31 ↓91.3% ↑8.7%  
 CIE Flux Codes: 42 73 91 91 100  
 UGR 4H 8H: 18.9 / 17.9  
 50%, 70%)C0 / C90  
 Power: 19.1W  
 Luminous flux: 2200 lm

#### LUMINOUS INTENSITY



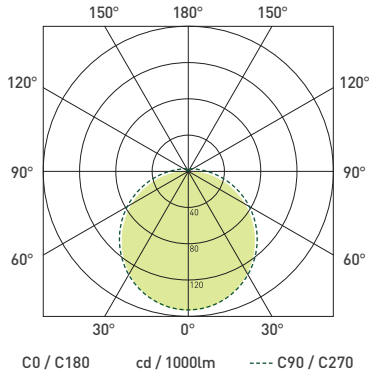
Cat No.	Driver	Size	Luminaire Lumens	Wattage	Efficacy Llm/cW
LAC12P22S40	Standard	4ft / 1175mm	2200	19W	116
LAC12P22E40	Emergency	4ft / 1175mm	2200	19W	116
LAC12P22D40	Digital Dimmable	4ft / 1175mm	2200	19W	116
LAC12P22ED40	Emergency Dimmable	4ft / 1175mm	2200	19W	116
LAC12P22S40MW	Microwave	4ft / 1175mm	2200	19W	116
LAC12P22E40MW	Emergency Microwave	4ft / 1175mm	2200	19W	116
LAC12P22D40MW	Microwave 10% Corridor	4ft / 1175mm	2200	19W	116
LAC12P22ED40MW	Emergency MW 10% Corridor	4ft / 1175mm	2200	19W	116
LAC12P40S40	Standard	4ft / 1175mm	4000	35W	114
LAC12P40E40	Emergency	4ft / 1175mm	4000	35W	114
LAC12P40D40	Digital Dimmable	4ft / 1175mm	4000	35W	114
LAC12P40ED40	Emergency Dimmable	4ft / 1175mm	4000	35W	114
LAC12P40S40MW	Microwave	4ft / 1175mm	4000	35W	114
LAC12P40E40MW	Emergency Microwave	4ft / 1175mm	4000	35W	114
LAC12P40D40MW	Microwave 10% Corridor	4ft / 1175mm	4000	35W	114
LAC12P40ED40MW	Emergency MW 10% Corridor	4ft / 1175mm	4000	35W	114
LAC15P32S40	Standard	5ft / 1455mm	3200	28W	114
LAC15P32E40	Emergency	5ft / 1455mm	3200	28W	114
LAC15P32D40	Digital Dimmable	5ft / 1455mm	3200	28W	114
LAC15P32ED40	Emergency Dimmable	5ft / 1455mm	3200	28W	114
LAC15P32S40MW	Microwave	5ft / 1455mm	3200	28W	114
LAC15P32E40MW	Emergency Microwave	5ft / 1455mm	3200	28W	114
LAC15P32D40MW	Microwave 10% Corridor	5ft / 1455mm	3200	28W	114
LAC15P32ED40MW	Emergency MW 10% Corridor	5ft / 1455mm	3200	28W	114
LAC15P60S40	Standard	5ft / 1455mm	6000	52W	115
LAC15P60E40	Emergency	5ft / 1455mm	6000	52W	115
LAC15P60D40	Digital Dimmable	5ft / 1455mm	6000	52W	115
LAC15P60ED40	Emergency Dimmable	5ft / 1455mm	6000	52W	115
LAC15P60S40MW	Microwave	5ft / 1455mm	6000	52W	115
LAC15P60E40MW	Emergency Microwave	5ft / 1455mm	6000	52W	115
LAC15P60D40MW	Microwave 10% Corridor	5ft / 1455mm	6000	52W	115
LAC15P60ED40MW	Emergency MW 10% Corridor	5ft / 1455mm	6000	52W	115

## LAC15P32S40

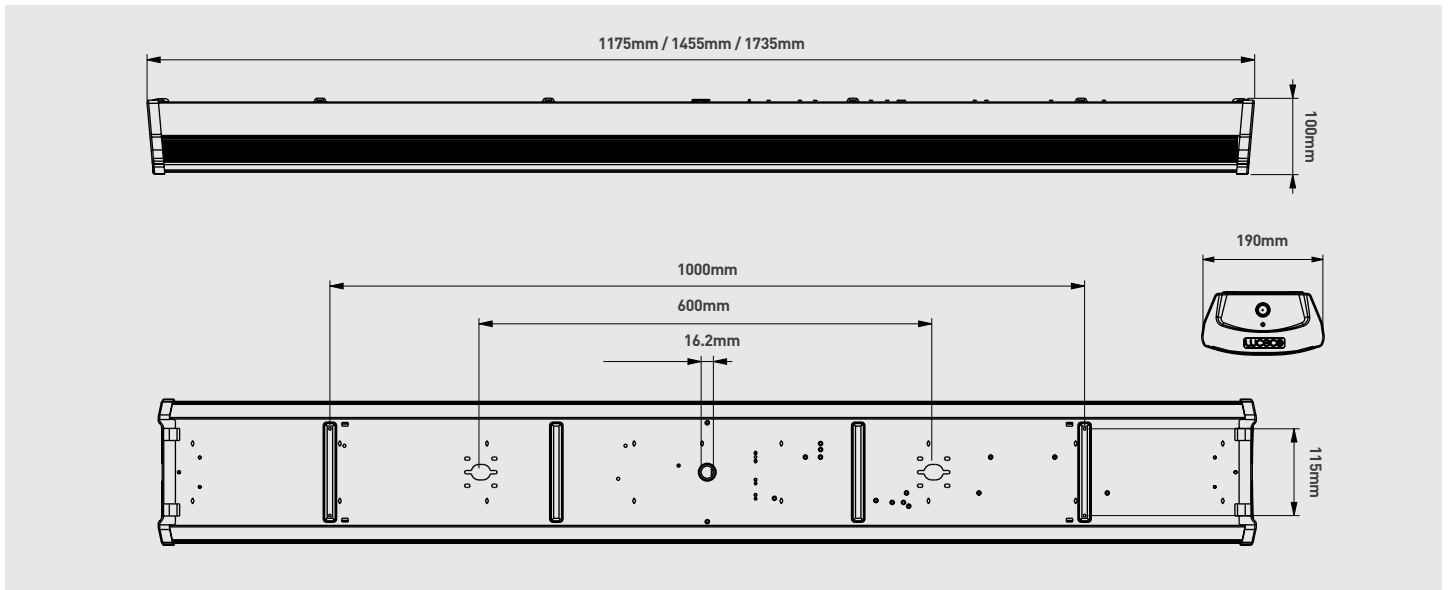
### LUMINAIRE PERFORMANCE

Light Output Ratio: 100%  
 Luminaire Efficacy: 109.59 lm/W  
 Light Distribution: A31 ↓91.3% ↑8.7%  
 CIE Flux Codes: 42 73 91 91 100  
 UGR 4H 8H: 19.1 / 18.6  
 50%, 70%|C0 / C90  
 Power: 29.2W  
 Luminous flux: 3200 lm

### LUMINOUS INTENSITY





Cat No.	Driver	Size	Luminaire Lumens	Wattage	Efficacy Llm/cW
LAC18P45S40	Standard	6ft / 1735mm	4500	39W	115
LAC18P45E40	Emergency	6ft / 1735mm	4500	39W	115
LAC18P45D40	Digital Dimmable	6ft / 1735mm	4500	39W	115
LAC18P45ED40	Emergency Dimmable	6ft / 1735mm	4500	39W	115
LAC18P45S40MW	Microwave	6ft / 1735mm	4500	39W	115
LAC18P45E40MW	Emergency Microwave	6ft / 1735mm	4500	39W	115
LAC18P45D40MW	Microwave 10% Corridor	6ft / 1735mm	4500	39W	115
LAC18P45ED40MW	Emergency MW 10% Corridor	6ft / 1735mm	4500	39W	115
LAC18P80S40	Standard	6ft / 1735mm	8000	70W	114
LAC18P80E40	Emergency	6ft / 1735mm	8000	70W	114
LAC18P80D40	Digital Dimmable	6ft / 1735mm	8000	70W	114
LAC18P80ED40	Emergency Dimmable	6ft / 1735mm	8000	70W	114
LAC18P80S40MW	Microwave	6ft / 1735mm	8000	70W	114
LAC18P80E40MW	Emergency Microwave	6ft / 1735mm	8000	70W	114
LAC18P80D40MW	Microwave 10% Corridor	6ft / 1735mm	8000	70W	114
LAC18P80ED40MW	Emergency MW 10% Corridor	6ft / 1735mm	8000	70W	114




	LENGTH / DIA (mm)	WIDTH (mm)	HEIGHT / DEPTH (mm)	WEIGHT (kg)	L FIXING CENTRES (mm)	W FIXING CENTRES (mm)	CEILING CUTOUT (mm)	LUMINAIRE LUMENS (Llm)	LUMINAIRE WATTAGE (W)	EFFICACY (Llm/W)	CCT (K)	CRI	UGR	IP RATED	IK RATED	GLOW WIRE (°C)	RAL COLOUR	TEMP RANGE (°C)	RATED LIFE (HR)	AMBIENT TEMP. RATED LIFE (°C)	L AT RATED LIFE	B AT RATED LIFE	VOLTAGE RANGE	FREQUENCY	EMERGENCY PACK CODE	WARRANTY (YEARS)
LAC12P22*40	1175	190	100	2.1	600/1000	0/35/115	N/A	2500	18	116	4000	>80	≤19	IP20	IK08	650	9016	-20 to +30	50,000	25	70	10	220-240V	50hz	N/A	5
LAC12P40*40	1175	190	100	2.1	600/1000	0/35/115	N/A	2500	18	115	4000	>80	≤19	IP20	IK08	650	9016	-20 to +30	50,000	25	70	10	220-240V	50hz	N/A	5
LAC15P32*40	1455	190	100	2.5	600/1000	0/35/115	N/A	3200	28	114	4000	>80	≤20	IP20	IK08	650	9016	-20 to +30	50,000	25	70	10	220-240V	50hz	N/A	5
LAC15P60*40	1455	190	100	2.5	600/1000	0/35/115	N/A	6000	52	115	4000	>80	≤20	IP20	IK08	650	9016	-20 to +30	50,000	25	70	10	220-240V	50hz	N/A	5
LAC18P45*40	1735	190	100	3	600/1000	0/35/115	N/A	4500	39	115	4000	>80	≤20	IP20	IK08	650	9016	-20 to +30	50,000	25	70	10	220-240V	50hz	N/A	5
LAC18P80*40	1735	190	100	3	600/1000	0/35/115	N/A	8000	70	114	4000	>80	≤20	IP20	IK08	650	9016	-20 to +30	50,000	25	70	10	220-240V	50hz	N/A	5

**LUCECO**

 This luminaire contains built-in LED lamps.


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The lamps cannot be changed in the luminaire.

874/2012 

**STANDARDS**

EN 60598-1	Luminaires - General requirements
EN 60598-2-1	Luminaires - Fixed
EN 60598-2-22	Luminaires - Emergency
EN 61347-1	Lamp controlgear - Part 1: General and safety requirements
EN 61347-2-13	Lamp controlgear - Part 2-13 : Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61547	Equipment for general lighting purposes - EMC immunity requirements
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - for harmonic current emissions
EN 62471	Photobiological safety of lamps and lamp systems
2002/96/EC	Waste Electrical & Electronic Equipment (WEEE)
2011/65/EU	Restriction of the use of certain Hazardous Substances in EEE (RoHS)
(EC) No 1907/2006	The Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

