

CARBON DOWNLIGHT

Product Features

- Commercial LED downlight with plug and play loop in loop out driver
- White polycarbonate body with opal diffuser
- 1000-2000 lumens designed to replace PL type downlights and maximise savings
- Recessed mounted suitable for plasterboard or suspended ceiling systems



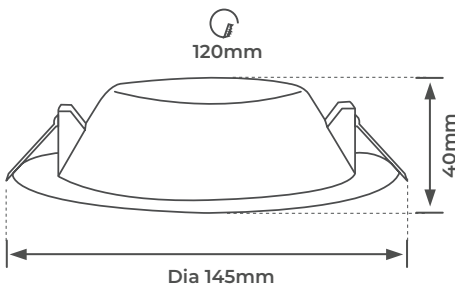
CAT NO.	DRIVER	LUMINAIRE LUMENS	WATTAGE	CUTOUT
LBDL4S40	Fixed Output	1000	9.5W	120mm
LBDL4D40	Digital Dimmable	1000	9.5W	120mm
LBDL6S40	Fixed Output	1500	13.5W	175mm
LBDL6D40	Digital Dimmable	1500	13.5W	175mm
LBDL8S40	Fixed Output	2000	18W	210mm
LBDL8D40	Digital Dimmable	2000	18W	210mm

PRODUCT OPTIONS

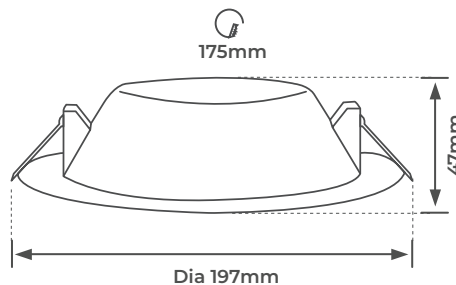
3000K Colour Temperature	Insert 30, e.g. LBDL8S30
Remote Emergency Pack	LED3EP80
Self Test Remote Emergency Pack	LED3EP80EST
DALI Addressable Emergency Pack	LED3EP80DED

Product Drawing

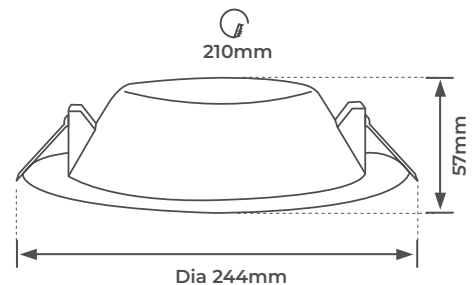
LBDL4x40



LBDL6x40



LBDL8x40



CAT NO.	WEIGHT (kg)	EFFICACY (Llm/W)	CRI	FREQUENCY (Hz)	UGR	IK RATING	BEAM ANGLE	TEMP RANGE (°C)	AMBIENT TEMP RATED LIFE (°C)	L/B RATED LIFE
LBDL4S40	0.225	105	>80	50-60	<28	IK04	110°	-20 - +25	25	L80 / B10
LBDL4D40	0.235	105	>80	50-60	<28	IK04	110°	-20 - +25	25	L80 / B10
LBDL6S40	0.28	111	>80	50-60	<27	IK04	110°	-20 - +25	25	L80 / B10
LBDL6D40	0.29	111	>80	50-60	<27	IK04	110°	-20 - +25	25	L80 / B10
LBDL8S40	0.4	111	>80	50-60	<27	IK04	110°	-20 - +25	25	L80 / B10
LBDL8D40	0.41	111	>80	50-60	<27	IK04	110°	-20 - +25	25	L80 / B10

LBDL4S40
Luminaire Performance
 Luminaire Efficiency: 100%
 Luminaire Efficacy: 105.26lm/W
 Classification: A40 +99% +1%
 CIE Flux Codes: 53 83 98 99 100
 UGR 4H 8H (20%, 50%, 70%) 27.5 / 27.4
 C0 / C90:

Luminous Intensity

150° 180° 150°
 120° 120°
 90° 90°
 60° 60°
 30° 0° 30°
 ■ C0 / C180 cd / 100lm ----c90 / c270

LBDL6S40
Luminaire Performance
 Luminaire Efficiency: 100%
 Luminaire Efficacy: 111.11lm/W
 Classification: A40 +99% +1%
 CIE Flux Codes: 52 83 97 99 100
 UGR 4H 8H (20%, 50%, 70%) 26.8 / 26.8
 C0 / C90:

Luminous Intensity

150° 180° 150°
 120° 120°
 90° 90°
 60° 60°
 30° 0° 30°
 ■ C0 / C180 cd / 100lm ----c90 / c270

LBDL8S40
Luminaire Performance
 Luminaire Efficiency: 100%
 Luminaire Efficacy: 111.11lm/W
 Classification: A40 +99% +1%
 CIE Flux Codes: 50 81 97 99 100
 UGR 4H 8H (20%, 50%, 70%) 26.9 / 27.1
 C0 / C90:

Luminous Intensity

150° 180° 150°
 120° 120°
 90° 90°
 60° 60°
 30° 0° 30°
 ■ C0 / C180 cd / 100lm ----c90 / c270

STANDARD	DESCRIPTION
EN 60598-1	Luminaires – General requirements
EN 60598-2-2	Luminaires – Recessed
EN 60598-2-22	Luminaires – Emergency
EN 61000-3-2	Electromagnetic compatibility (EMC) – Part 3-2: Limits – for harmonic current emissions
EN 61000-3-3	Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 61547	Equipment for general lighting purposes – EMC immunity requirements
EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

