



LAUREL X 50W LRL-X-50



 Luminaire shape

 Body color



Die cast Aluminium Body



IP44 Rated



IP20 Rated Control gear



50000 Hrs Lifetime

Laurel X is a versatile recessed down light that can be used widely in indoors, easy to mount on the ceiling recess. The luminaire offering a broad range of power, color temperatures and options like motion detection, timer, sleep and twilight function.

This range of products are popular for a wide range of application such as office spaces, Conference Halls, Foyers, Shops, residential and other indoor spaces.

Luminaire Details:

Product Name	: Laurel X
Product Type	: LED Recessed Down Light
Product code	: LRL-X-50
Efficiency Classification	: Class B
Luminaire Type	: COB
Fixture Type	: Fixed

Correlated Color Temperature:





			
3000K	4000K	5000K	6500K

Light Source Details:

Light Emission	: Spot Emission
Source brand	: CREE
Rated Power	: 50 W
CRI	: >80
UGR	: <19
McAdam Binning	: Step 3

CCT Rated Lumens

	3000K	4750 lms
	4000K	5000 lms
	5000K	5250 lms
	6500K	5500 lms

Luminaire Housing:

Body	: Die cast Aluminium
Reflector type	: Silver Glossy /Mat Silver /White Reflector
Lens/Diffuser	: PC Diffuser
Storage Temperature (Ts)	: -40 to 60°C
Ambient Temperature (Ta)	: -20 to 50°C
Humidity	: RH 10-90 %

5 Years Product Warranty

Control Gear Specifications:

Control Gear Brand	: Hansa Green
Input Voltage	: 220-240V AC
Input Current	: 0.23A
Frequency	: 50/60Hz
Output Voltage	: 25-45 V DC Max.
Output Current	: 1200 mA
Max. Output power	: 55W
Power Factor	: >0.9
THD	: <15%
Case temperature(Tc)	: 80°C
Ambient Temperature	: -20 to 60 C
Over voltage protection	: Available
Short circuit Protection	: Available
No-Load Protection	: Available
Burst Protection Voltage	: 1KV
Surge Protection Voltage	: 1KV(L to N) & 2KV(L/N to Earth)

Control Gear Compatibility:

Control Gear is the driving unit of LED. Laurel X is compatible with Phase cut dimming, 0-10V/1-10V dimming and DALI Dimming control gears.



Optics and Beam Angle:

24°, 60° Optics

Add-on sensor Compatibility:



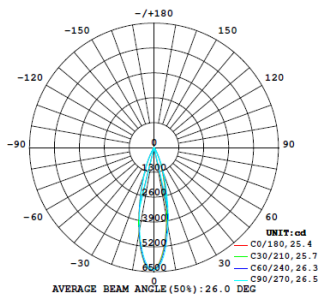
Laurel X is compatible with external add-on motion detection and daylight sensors.

Photometric Details:

Photometric testing provides a comprehensive laboratory service for testing the amount, colour, quality and spatial distribution of light emitted from lamps, LEDs and luminaires. The standard photometric data files in IES (.ies) and EULUMDAT (.ldt) formats per IES LM 79-08 and BS EN 13032

Emergency Compatibility:

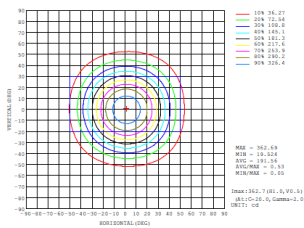
Laurel X is compatible with emergency kits



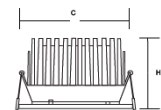
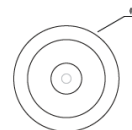
Φ100 mm: 2349 lm

Height	Beam Diameter	Angle: 72.85deg	Diameter
2m	337.23301x		147.50mm
3m	509.2.582.41x		235.15mm
4m	144.3.258.81x		442.73mm
5m	82.30.149.41x		590.31mm
6m	52.47.99.181x		737.88mm
7m	36.56.64.721x		885.46mm
8m	26.47.47.541x		1033.04mm
9m	20.56.36.481x		1180.62mm
10m	16.26.28.741x		1328.19mm
11m	13.17.23.301x		1475.77mm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



Physical Dimensions:



Diameter	: 214 mm
Height	: 110 mm
Cut out	: 200 mm

Ordering Codes

CCT	Code
3000K	629222050521
4000K	629222050541
5000K	629222050561
6500K	629222050591