



EN KL2231C

IP66/68 100W LED FLOODLIGHT



General specification

• Light Source:	LED
• Type:	Single chip High power LED
• Light Color (CCT):	6000K (Optional 3000K, 4500K)
• CRI:	90+ (85+ for CCT 6000K)
• SDCM:	3-steps MacAdam ellipses
• Environmental:	Outdoor
• IP/IK Rating:	IP66/68; IK
• Light Distribution:	Symmetric
• Viewing Angle (FWHM):	120° (Optional 10°, 20°, 30°, 45°, 60°, 90°)
• Aiming:	Rotate ±90°
• Dimensions (LxWxH):	224,8 x 82,1 x 315,75 mm
• Housing/Package:	• White anodized aluminum (0,1% copper) w/corrosion resistant surface treatment • Stainless Steel AISI 316L brackets • PTFE insulating pads between AISI 316L brackets and Aluminum body • 5 mm thickness tempered glass
• Weight:	6,5 kg
• Compliance:	CE, Rohs, EN 60598-2-1:2021, EN 60598-2-24:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61547:2009, EN 62311:2008, EN 62471:2008, EN 62493:2015, EN IEC 55015:2019, EN IEC 55015:2019/A11:2020, EN IEC 60598-1:2021, EN IEC 60598-1:2021/A11:2022, EN IEC 60598-2-22:2022, EN IEC 63000:2018, IEC TR 62778:2014 (ISO 12944)
• TA	Pending at Bureau Veritas
• Risk group (EN 62471:2008):	0
• Marking (customizable):	Non removable label
• Lifetime (Lumen depreciation):	≥50.000hr L70B50

Electrical specification ²

• Input Voltage:	100-240 Vac 50-60Hz ±10% - cos φ >0,95
• Input Current:	434 mA
• Power Consumption:	100W (@700mA Led source)
• Power Factor:	>0,9
• Electrical Connection:	• 5m x 3G1.5sqm in accordance with Fincantieri standard • Minimum bending radius (installed): 4 × OD = 28.8 mm • Minimum bending radius during installation: 8 × OD = 57.6 mm • M16 nickel plated IP69K gland (EN60423)
• Driver:	Integrated constant current driver (included)
• Dimmer:	No
• Insulation Class:	I
• Surge Protection:	Standard built-in 2kV

Operating condition

• Working Temp. Range:	-20 °C +50 °C
• Storage Temp. Range:	-30 °C +50 °C
• Rel. Humidity (non cond.):	0% - 95%

Application

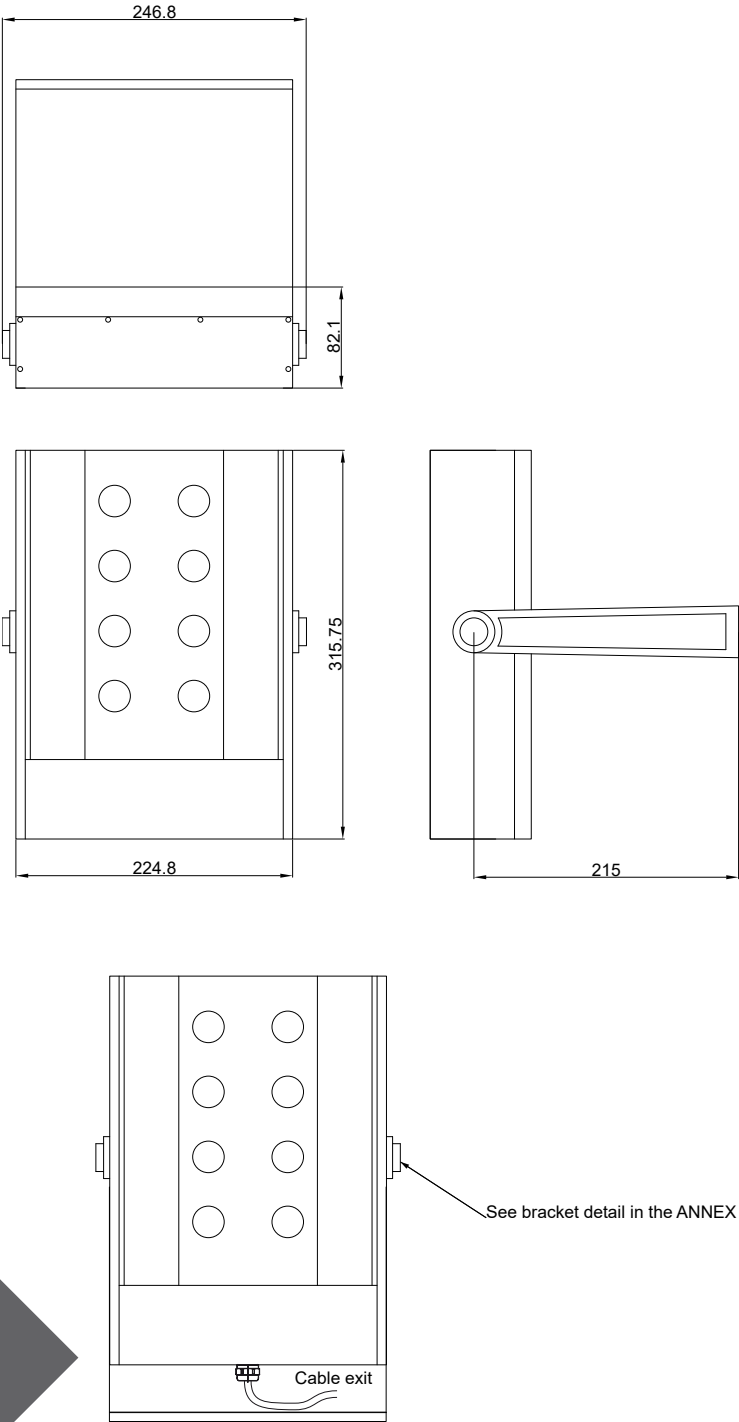
- Outdoor illumination
- Floodlight application

Light source specification (see ANNEX II for photometric solid detail)

Color ² (CCT)	Power(Watt)	Typ. Output flux ² (Lm)	Efficacy ⁴ (Lm/W)	Beam angle	Ordering Code
3000K	100	12.400	124	120°	ENKL2231C.80C0930X3N
4500K	100	12.400	124	120°	ENKL2231C.80C0845X3N
6000K	100	12.400	124	120°	ENKL2231C.80C0860X3N

Table 1: Optical characteristics
1. Tolerance range for optical and electrical data: ±10 %
2. Central measurement over the complete module/fixture/luminaire
3. Data measured at power input port
4. Data includes module/fixture/luminaire electrical/optical losses

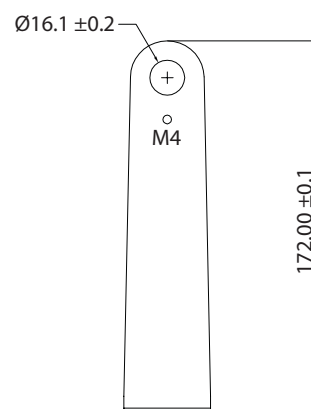
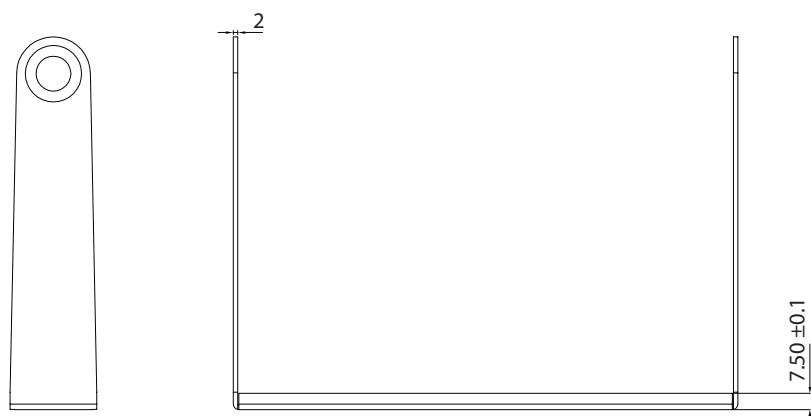
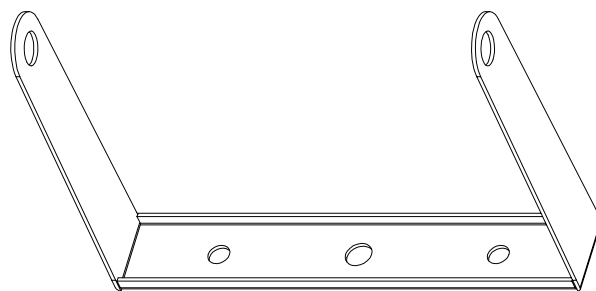
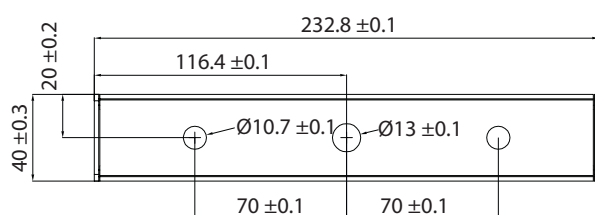
Mechanical drawings



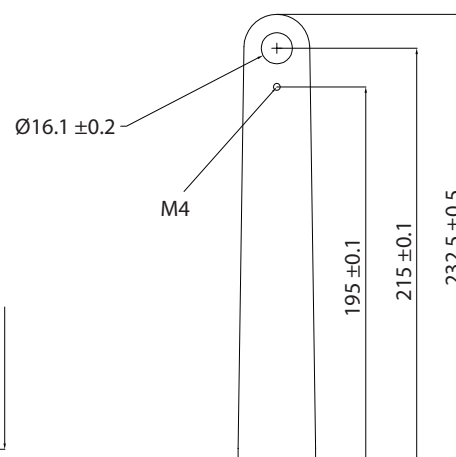
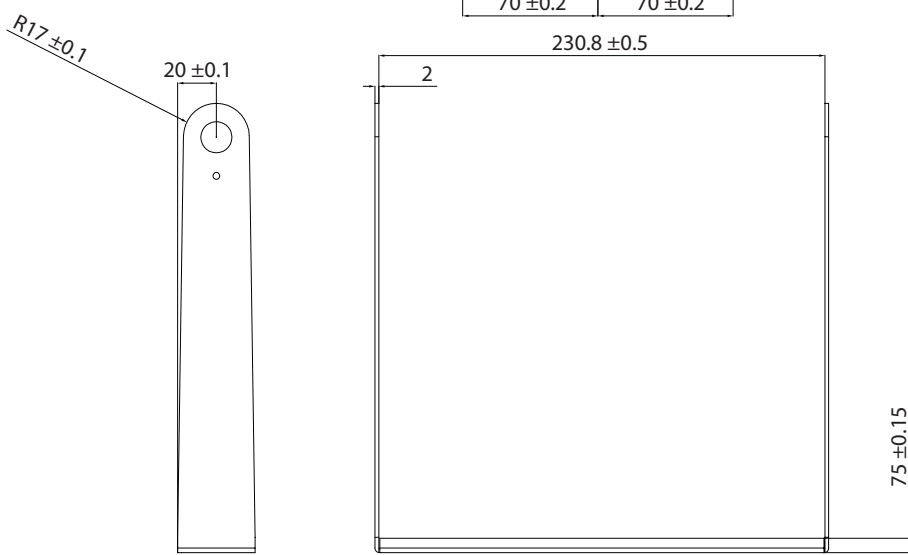
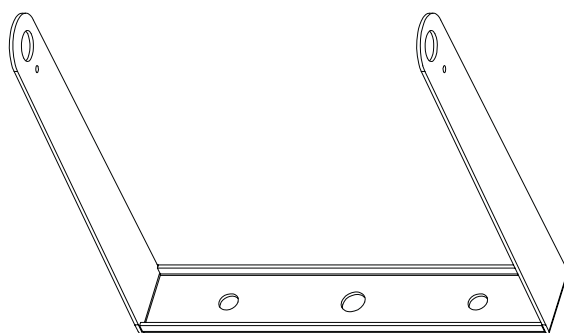
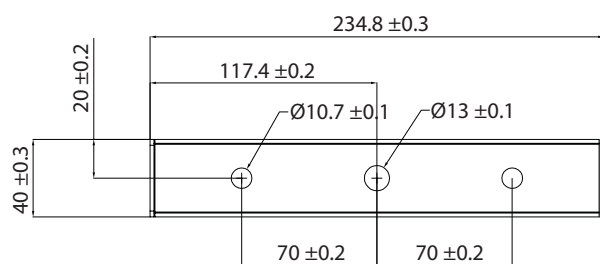
Note

Eulumdat file according to EN 13032-1 available upon request.
Product customization available on request.
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Annex I

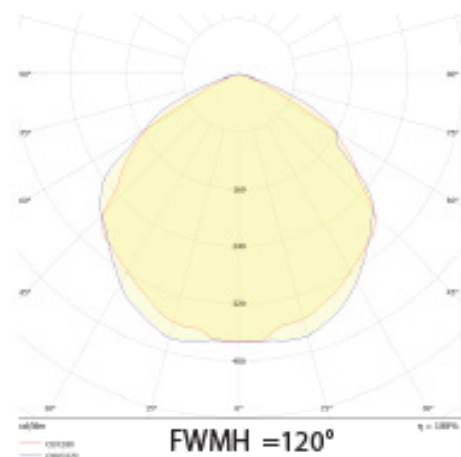
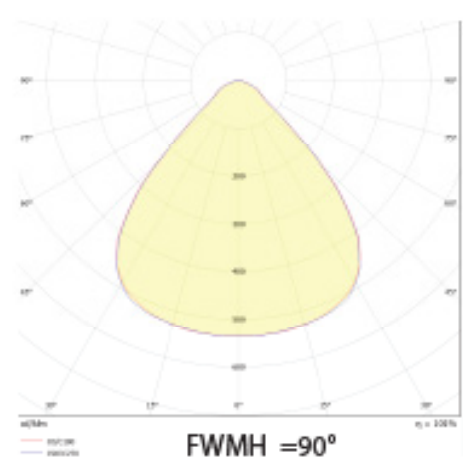
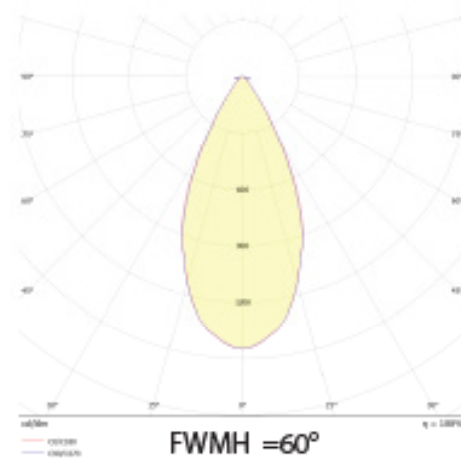
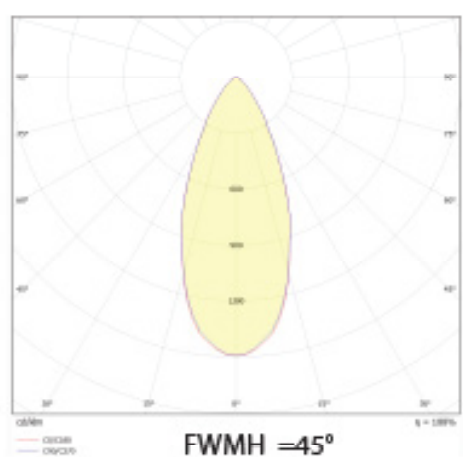
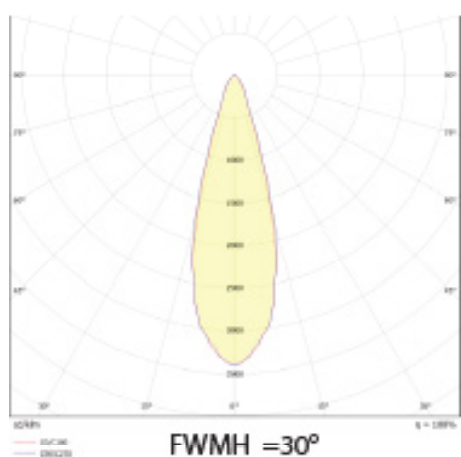
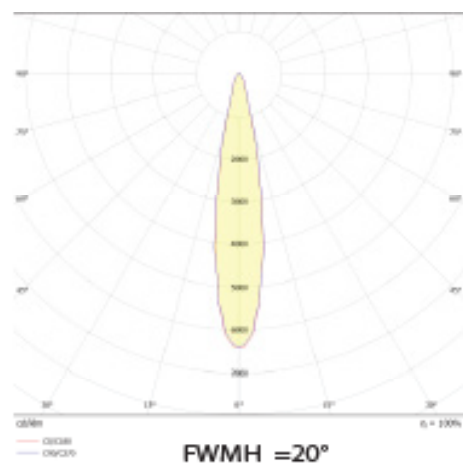
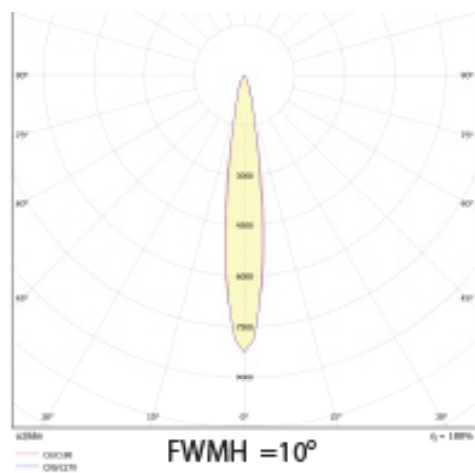


Valid for ENKL2215, ENKL2220



Valid for ENKL2231C

Annex II: Photometric Solids



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