

Des cripti on	Input	PF	Wattage	Operating	Dimension (mm)
On/off					
CRUZ MSF 8W HF	220-240V ~ 0.04A	≥0.85	8W	-20~45℃	Φ95xH120
CRUZ MSF 10W HF	220-240V ~ 0.05A	≥0.85	10W	-20~45℃	Φ95xH120
CRUZ MSF 12W HF	220-240V ~ 0.06A	≥0.9	12W	-20~45℃	Φ95xH120
CRUZ MSF 14W HF	220-240V ~ 0.07A	≥0.9	14W	-20~45℃	Φ95xH120
CRUZ MSF 20W HF	220-240V ~ 0.1A	≥0.9	20W	-20~45℃	Φ115xH130
CRUZ MSF 24W HF	220-240V ~ 0.12A	≥0.9	24W	-20~45℃	Φ140xH145
CRUZ MSF 28W HF	220-240V ~ 0.14A	≥0.9	28W	-20~45℃	Φ160xH165
1-10V					
CRUZ MSF 8W HFA	220-240V ~ 0.04A	≥0.9	8W	-20~45℃	Φ95xH120
CRUZ MSF 10W HFA	220-240V ~ 0.05A	≥0.9	10W	-20~45℃	Φ95xH120
CRUZ MSF 12W HFA	220-240V ~ 0.06A	≥0.9	12W	-20~45℃	Φ95xH120
CRUZ MSF 14W HFA	220-240V ~ 0.07A	≥0.9	15W	-20~45℃	Φ95xH120
CRUZ MSF 20W HFA	220-240V ~ 0.1A	≥0.9	20W	-20~45℃	Φ115xH130
CRUZ MSF 24W HFA	220-240V ~ 0.12A	≥0.9	24W	-20~45℃	Φ140xH145
CRUZ MSF 28W HFA	220-240V ~ 0.14A	≥0.9	28W	-20~45℃	Φ160xH165
DALI					
CRUZ MSF 8W HFX S	220-240V ~ 0.04A	≥0.89	8W	-20~45℃	Φ95xH120
CRUZ MSF 10W HFX S	220-240V ~ 0.05A	≥0.9	10W	-20~45℃	Φ95xH120
CRUZ MSF 12W HFX S	220-240V ~ 0.06A	≥0.9	12W	-20~45℃	Φ95xH120
CRUZ MSF 14W HFX S	220-240V ~ 0.07A	≥0.9	14W	-20~45℃	Φ95xH120
CRUZ MSF 20W HFX S	220-240V ~ 0.10A	≥0.9	20W	-20~45℃	Φ115xH130
CRUZ MSF 25W HFX S	220-240V ~ 0.13A	≥0.9	25W	-20~45℃	Φ140xH145
CRUZ MSF 30W HFX S	220-240V ~ 0.15A	≥0.9	30W	-20~45℃	Φ160xH165
CRUZ MSF 15W HFX	220-240V ~ 0.08A	≥0.9	15W	-20~45℃	Φ140xH145
CRUZ MSF 20W HFX	220-240V ~ 0.10A	≥0.9	20W	-20~45℃	Φ140xH145
CRUZ MSF 25W HFX	220-240V ~ 0.13A	≥0.9	25W	-20~45℃	Φ140xH145
CRUZ MSF 30W HFX	220-240V ~ 0.15A	≥0.9	30W	-20~45℃	Φ160xH165
CRUZ MSF 40W HFX	220-240V ~ 0.19A	≥0.95	40W	-20~45℃	Φ180xH185
CRUZ MSF 55W HFX	220-240V ~ 0.26A	≥0.95	55W	-20~45℃	Φ195xH215
CRUZ MSF 80W HFX	220-240V ~ 0.38A	≥0.95	80W	-20~45℃	Φ220xH235
CRUZ MSF 100W HFX	220-240V ~ 0.48A	≥0.95	100W	-20~45℃	Φ220xH270
CRUZ MSF 120W HFX	220-240V ~ 0.57A	≥0.95	120W	-20~45℃	Φ220xH270
CRUZ MSF 135W HFX	220-240V ~ 0.65A	≥0.95	135W	-20~45℃	Φ220xH270

MSF - surface mounted, HF - on/off, HFA - 1-10V dimming, HFX - DALI dimming

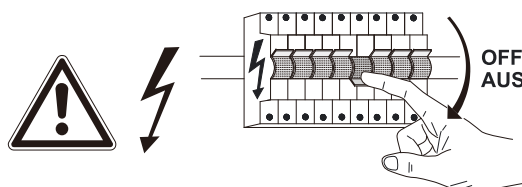
WD - wide beam angle ≥55°, MD - middle beam angle ~36°, NW - narrow beam angle ~24°



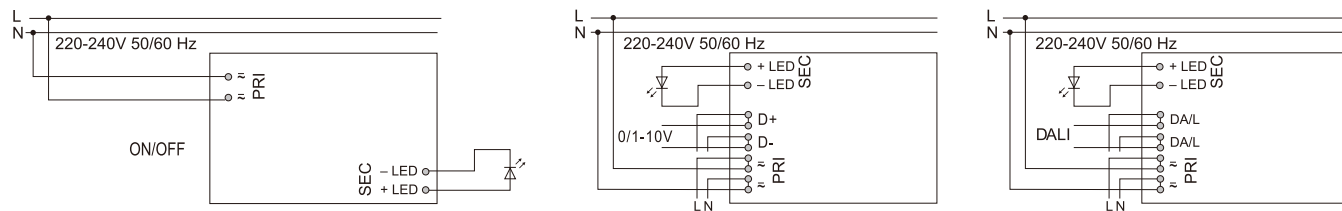
EN Mounting instructions

ZH 安装说明

1



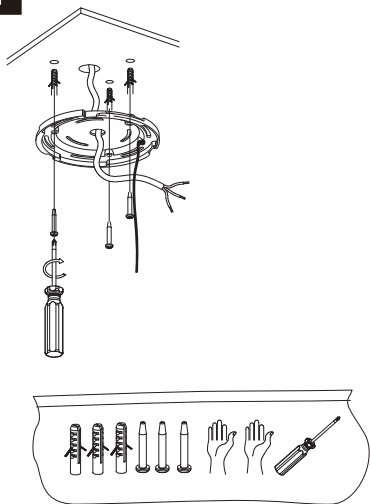
2 Wiring Mode



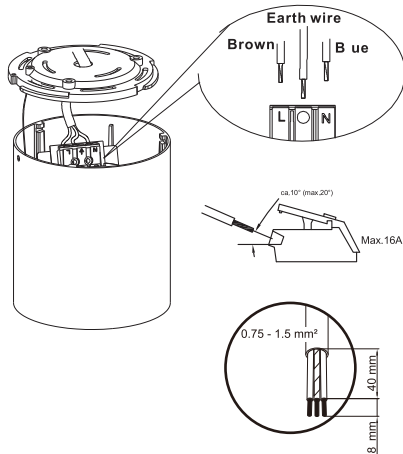
Device with loop through wiring function.

3 T-grid Installation

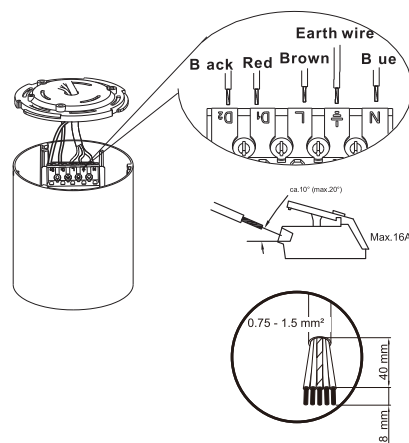
3-1



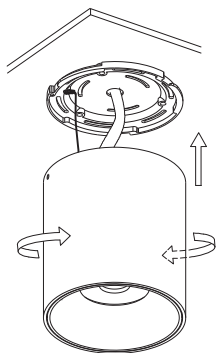
3-2A



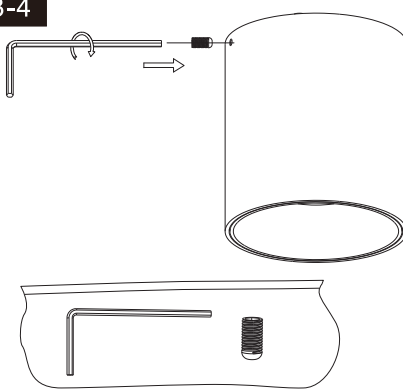
3-2B



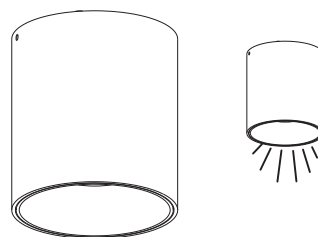
3-3



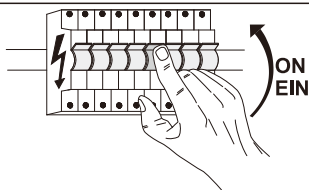
3-4



3-5



4



EN Instructions for assembly, installation and operation!

The installation and commissioning of the luminaire as well as any modification to the luminaire may only be performed by authorized personnel (qualified electrician). The luminaire is used exclusively for lighting and is to be installed in accordance with the national installation regulations. Caution! Make sure that the luminaires and power supply units are always disconnected from the mains supply during wiring and installation work. Otherwise, the LED modules may be destroyed. Hot plug-in is not permitted. Hot plug-in may result in damage to the luminaire and entail loss of warranty claims! The manufacturer is not liable for damages resulting from improper or faulty installation or operation or from unauthorized modifications to the luminaire. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similarly qualified person.
Caution, risk of electric shock!

ZH 装配、安装和操作说明！

灯具的安装、调试及任何变动仅可由经授权的专业人士（具有资质的电工）执行。
灯具仅用于照明，并且需要根据国家的规定安装。注意！
在灯具和供应单元的布线和安装过程中，一定要断电工作。不遵守规定会导致LED模块的损坏。
严禁热插拔。热插拔可能导致灯具的损坏，以及保修失效！
对于因错误安装、操作不当或擅自改动灯具而导致的损失，制造商概不负责。
该灯具的光源仅可由制造商、制造商指定的技工或具有类似资质的人士替换。
注意，有触电的危险！ DALI调光和LV电源的绝缘类别为基本绝缘！