

NINGBO VILLA

BEIJING, CHINA

PROJECT NUMBER **2816.80**

LIGHTING SPECIFICATION • 燈具規格說明書

INTERIOR - BASEMENT, GROUND, LEVEL 1-3 室内设计 - 基底, 地面, 水平1-3

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PHASE 3 - **PRELIMINARY ISSUE FOR INFORMATION** | 第3期信息的初步问题

REVISION -01 : 修订版本

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GENERAL NOTES 总说明

1. THIS SPECIFICATION IS TO BE READ IN CONJUNCTION WITH LIGHTING DRAWINGS AND IS © COPYRIGHT AND MAY NOT BE RE-PRODUCED OR USED WITHOUT PERMISSION
此说明必须与照明图纸配合使用并为持有版权, 未经允许, 不得复制或使用。
2. ALL ELECTRICAL INSTALLATIONS TO CONFORM TO 所有机电安装必须符合以下:
I) IEE WIRING REGULATIONS 16TH EDITION AND AMENDMENTS. IEEE 电线条例第16版与更新修改。
II) THE REGULATIONS/STANDARD OF THE COUNTRY INVOLVED, 国内所有有关的条例/标准。
III) ANY REGULATIONS STIPULATED BY THE SERVICES ENGINEERS. 服务工程师定下的条例。
3. ALL WORK IS TO CONFORM TO APPROPRIATE BUILDING REGULATIONS AND CODES OF PRACTICE, OR AS DIRECTED BY THE LOCAL AUTHORITY. 所有施工必须符合当地政府机构设下的合适的建造条例与规则。
4. WIRING FROM THE OUTPUT OF TRANSFORMERS TO LIGHT FITTINGS IS TO BE CALCULATED BY THE ELECTRICAL ENGINEER/CONTRACTOR. IN CONSIDERATION OF BOTH VOLTAGE DROP AND THE HIGHER RUNNING CURRENT ON THE SECONDARY SIDE IN EXTRA LOW VOLTAGE CIRCUITS (I.E. NOT EXCEEDING 50 VOLTS AC) PLEASE MAKE SPECIFIC REFERENCE TO CABLE AND LUMINAIRE MANUFACTURERS RECOMMENDATIONS BEFORE COSTING FOR CABLE RUNS.
变压器与照明装置之间的连接电线说明将由机电工程师/承包商计算。在审议这两个电压下降和较高的运行当前的二次侧在特低压电路 (即不超过50伏), 确认电缆成本前, 请具体提及电缆和灯具制造商的建议。
5. POSITIONS OF ANY ELEMENTS, WHICH MAY INTERFERE WITH THE LOCATION OF A LIGHT FITTING MARKED ON A DRAWING, ARE TO BE NOTIFIED TO THE DESIGNERS. THE TRADE CONTRACTOR IS TO CO-ORDINATE AND SITE VERIFY ALL LUMINAIRE POSITIONS. IN THE INSTANCE OF DOWNLIGHTERS THE CONTRACTOR IS TO CHECK FOR RECESS DEPTH AND WIDTH (BY DRILLING A HOLE AND USING A PIECE OF WIRE IF NECESSARY) PRIOR TO ORDERING LIGHT FITTINGS.
任何可能阻碍图纸上显示的照明装置位置的照明元素位置, 必须通知设计师。承包商必须协调并确认所有灯具位置。至于筒灯, 承包商必须在订购前, 查证凹槽深度与宽度 (如有所需钻孔或运用钢索)。
6. ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE CABLING INSTALLATIONS. 机电承包商负责安装电缆。
7. THIS SPECIFICATION INCORPORATES ONLY LIGHTING ELEMENTS. 此说明只包含照明装置。
8. ANY DISCREPANCIES IN THIS SPECIFICATION OR ON SITE ARE TO BE REPORTED TO THE DESIGNERS. 如说明与工地有任何差异,
9. LUMINAIRES, SWITCHES, SOCKETS ETC. SHOULD NOT BE FITTED UNTIL THE WALLS/FLOORS/CEILINGS HAVE BEEN PAINTED / FINISHED.
灯具、开关、插头等等, 不该安装直到墙面/地面/天花已漆上
10. CONTRACTOR TO CHECK DELIVERY OF ALL LIGHTING EQUIPMENT AS SOON AS POSSIBLE TO ENSURE ITEMS ARE ORDERED TO SUIT THE BUILDING PROGRAM.
承包商尽快检查所有照明器材的运送以确保订购灯具适合项目。
11. LAMPS TYPES MUST BE OF THE BRAND SPECIFIED, UNLESS AGREED WITH THE DESIGNERS. 灯具款式必须为说明品牌, 除非设计师另外批准。
12. THE TRADE CONTRACTOR IS TO PROVIDE ACCESS AND PERSONNEL TO HELP ADJUST AND LOCK OFF LUMINAIRES WHERE NECESSARY ON COMPLETION (ACCESS EQUIPMENT, I.E. TOWERS, CHERRY PICKERS, RADIOS, HARNESSSES, ETC.). 如有完成所需, 承包商提供援助调整与封锁灯具 (如提供吊车、起重机、线束等等)
13. LUMINAIRE QUANTITIES ARE TO BE TAKEN FROM THE DRAWINGS. 灯具数量取自图纸
14. ALL CABLING AND CONDUITS ARE TO BE CONCEALED AND SWITCH PLATES AND SOCKETS FLUSH MOUNTED UNLESS OTHERWISE AGREED WITH THE DESIGNERS. ALL CABLE ROUTES ARE TO BE AGREED BY THE ARCHITECTS / INTERIOR DESIGNERS / LANDSCAPE ARCHITECTS AND ENGINEERS.
所有电线与管道为隐藏式, 开关制板必须与插座齐平除非设计师另外注明。所有管线必须由建筑师/室内设计师/景观设计师与工程同意。
15. BALLASTS, TRANSFORMERS AND CONTROL GEAR FOR DOWNLIGHTERS (WHERE THE ABOVE ARE NOT INTEGRAL) ARE TO BE MOUNTED IN THE CEILING VOID THROUGH DOWNLIGHTER CUT-OUTS (UNLESS OTHERWISE STATED). NON-COMBUSTIBLE PLATFORMS ARE TO BE PROVIDED IN THE CEILING BY THE CONTRACTOR TO TAKE THE WEIGHT OF THESE ITEMS AND EMERGENCY BATTERY PACKS WHERE NECESSARY.
筒灯镇流器, 变压器与控制装置 (以上元素为不综合) 将穿过筒灯剪孔安装于天花空间 (除非另外注明)。承包商为天花提供阻燃平台以支撑物品重量, 包括所需紧急电池配套。
16. DOWNLIGHTERS MOUNTED WITHIN METAL CEILING PANELS MAY REQUIRE NON-COMBUSTIBLE BACKING PANELS TO HOLD THE LUMINAIRE TIGHT TO THE CEILING, SUPPORT THE WEIGHT OF THE LUMINAIRE AND PREVENT THE PANEL FROM SAGGING. 安装于金属天花板内的筒灯可能需要阻燃背衬板将灯具固定天花, 支撑灯具重量, 以免天花板凹陷。

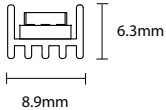
GENERAL NOTES 总说明

17. CEILINGS IN WHICH DOWNLIGHTERS AND THEIR CONTROL GEAR (I.E. TRANSFORMERS/BALLASTS) ARE LOCATED ARE TO BE WELL VENTILATED TO PREVENT THE OVERHEATING OF LAMPS AND TRANSFORMERS. LUMINAIRES SHOULD NOT BE SURROUNDED BY INSULATING MATERIAL IN WALLS, FLOORS OR CEILINGS.
安装筒灯与控制装置（如变压器/镇流器）的天花内侧，位置必须通风以免灯具与变压器过热。墙面、地面或天花隔绝材料不该围绕灯具。
18. THE MAIN CONTRACTOR / ARCHITECT IS TO CHECK WITH THE FIRE OFFICER/DISTRICT SURVEYOR WHETHER FIRE BOXES OR HOODS ARE REQUIRED IN ORDER TO RETAIN THE FIRE RATING OF THE CEILING.
主承包商/建筑师必须与消防部门/地区测量员确认是否需要防火箱/防火罩以维持天花防火标准。
19. HOLES FOR CIRCULAR DOWNLIGHTERS MUST BE ACCURATELY DRILLED USING A TANK CUTTER OR SIMILAR. RAGGED, HAND SAWN HOLES, VISIBLE AROUND THE EDGES OF DOWNLIGHTER BEZELS, WILL NOT BE ACCEPTABLE.
圆形筒灯必须正确钻孔。筒灯面板边如有粗糙手锯孔是不合格的。
20. WHILST WE WILL CONSIDER ALTERNATIVE LUMINAIRES TO THOSE SPECIFIED THIS WILL BE SUBJECT TO THE SUBMISSION OF FULL TECHNICAL DATA/TEST CERTIFICATES AND APPROVAL OF A WORKING SAMPLE.
虽然我们可考虑采用说明以外的其他灯具，可是必须提供所有技术细节资料/测试证书以及操作样本的批准。
21. ALL EXTERIOR LIGHTING AND LIGHTS WITHIN WET AREAS ARE TO BE CONNECTED TO AN RCD (RESIDUAL CURRENT DEVICE) OR AS ADVISED BY M&E CONSULTANT.
所有户外照明与潮湿区照明将连接RCD或如机电顾问建议。
22. THE MEANS OF GAINING ACCESS TO LUMINAIRE POSITIONS FOR INSTALLATION AND MAINTENANCE AND THE LOCATION OF HARNESS ANCHOR BOLTS HAS TO BE AGREED WITH THE DESIGN TEAM.
灯具位置所在的安装与维修口以及线束安装控都必须由设计师批准。
23. THE CONTRACTOR MUST INSTALL LUMINAIRES TO THE MANUFACTURER'S INSTRUCTIONS TO ENSURE THE SPECIFIED IP RATINGS ARE ACHIEVED. 承包商必须根据制造商说明安装以确保达到制定IP标准。
24. THE INSTALLATION OF THE SCHEME WILL BE CONSIDERED INCOMPLETE UNTIL THE LIGHTING DESIGNERS HAS CHECKED THE INSTALLATION OF LUMINARIES AND SET UP / COMMISSIONED ADJUSTABLE LUMINAIRES AND THE CONTROL SYSTEMS. 照明设计师必须检查灯具安装与特定可调整灯具以及控制系统后，整体照明安装才算完成。

GENERAL TRANSFORMER SPECIFICATION NOTES 变压器说明

1. ALL TRANSFORMERS ARE TO BE OF THE HIGHEST QUALITY AND SUITABLE FOR THE APPLICATION OF EXTRA LOW VOLTAGE LIGHTING. 所有变压器为最高素质并适合特低电量照明使用。
2. PRIMARY VOLTAGE AND FREQUENCY TO BE SPECIFIED BY THE ELECTRICAL ENGINEER / CONTRACTOR. 初级电压与频率由机电工程师/承包商说明。
3. IF DIMMER CONTROLS ARE NOT BEING USED, 11.2 - 11.5V TRANSFORMERS ARE TO BE EMPLOYED TO PROMOTE LONGER LAMP LIFE. 如不用调光器，将采用11.2-11.5V电压器以延长灯具寿命。
4. IF NO TRANSFORMERS ARE SPECIFIED, THEN THE ELECTRICAL ENGINEER / CONTRACTOR IS TO BE RESPONSIBLE FOR THE SPECIFICATION AND SOURCING OF TRANSFORMERS CONSISTENT WITH THE REQUIREMENTS IN THIS SPECIFICATION.
如无指定变压器，机电工程师/承包商将负责变压器说明与采购，确保符合此说明。
5. THE CEILING / FLOOR VOID OR OTHER LOCATIONS IN WHICH THE TRANSFORMERS ARE LOCATED MUST BE WELL VENTILATED IN ORDER TO PREVENT THE TRANSFORMERS OVERHEATING.
设置变压器于天花/地面空间与其他位置必须通风以免变压器过热。
6. THE ELECTRICAL ENGINEER / CONTRACTOR ARE TO CHECK THE COMPATIBILITY BETWEEN TRANSFORMERS AND LIGHTING CONTROL SYSTEM / DIMMERS, WHERE TRANSFORMERS ARE NOT SPECIFIED.
电气工程/承包商查之间的变器器和照明控制系统/光器·变器器未指定的兼容性

TYPE	代號	A1
DESCRIPTION	簡介	LINEAR LED STRIP WITH ALUMINIUM HEAT SINK AND MOUNTING CLIPS
MODEL	型號	LIGHT PROJECT - TIMI 504 HIGH CRI + MOUNTING CLIPS: CB.A.O.1.W + KKCP 01
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	SILVER ANODISED
IP	保護等級	IP20
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	WARM WHITE LINEAR LED STRIP (12.24W/
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	2700K
ACCESSORY	配件	1. KKCP 01 MOUNTING CLIPS 2. REMOTE DALI CONTROL GEAR
NOTES	注意	1. OVERALL LENGTH OF LED VARIES, TO BE CONFIRMED ON SITE BY CONTRACTOR



KKCP-01
TiMi clip
For use with TiMi series
Surface mounting clip
S/steel finish
L25mm W11.5mm H10.5mm

TiMi 504 HCRI



- High CRI of 90 for accurate colour rendering
- White: 2700K, 3200K, 3800K, 5000K
- Custom lengths available
- Vacuum plating available for additional protection against moisture
- Aluminium 'TiMi' heat sink housing
- 50,000hrs lifetime (T_a = -25°C to 50°C T_c max = 75°C)
- Dimming via 1-10V/DMX/DALI interface modules or other PWM systems
- Specification sheet & installation guide available on request
- Photometric data in accordance with LM79 standard available on request

TiMi Order Code Table

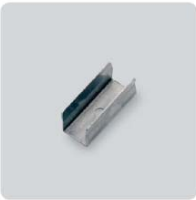
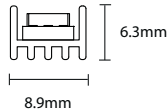
		TIMI 251	TIMI 503	TIMI 501-RGB	TIMI XEN	TIMI 504 HCRI	
		LG	LB	LS	LY	CB	
LED Colour	2800K (2700K*)	A	•	•	n/a	n/a	•
	3200K	B	•	•	n/a	n/a	•
	3800K	C	•	•	n/a	n/a	•
	5000K	D	•	•	n/a	n/a	•
	6500K	E	•	•	n/a	n/a	n/a
	9300K	Z	n/a	•	n/a	n/a	n/a
	Red	F	•	•	n/a	n/a	n/a
	Green	G	•	•	n/a	n/a	n/a
	Blue	H	•	•	n/a	n/a	n/a
	Orange	I	•	•	n/a	n/a	n/a
	Amber	J	•	•	n/a	n/a	n/a
	RGB	L	n/a	n/a	•	n/a	n/a
Variable	M	n/a	n/a	n/a	•	n/a	
IP	IP20	0	•	•	•	•	•
	VP protection**	V	•	•	•	•	•
Connectors	Male/Female 50mm	1	•	•	•	•	•
	Male/Female 300mm	2	•	•	•	•	•
	Single end tail 300mm	3	•	•	•	•	•
	Double end tail 300mm	4	•	•	•	•	•
Volt	24V	W	•	•	•	•	•
Length Availability		81.3-2000mm (81.3mm increments)	100-2000mm (100mm increments)	81.3-3000mm (81.3mm increments)	100-2000mm (100mm increments)	100-3000mm (100mm increments)	

* 2700K applies to TIMI 504 HCRI only. Do not use TIMI 504 HCRI in combination with other LED strips as visual appearance of lighting effect will differ.
** See Vacuum Plating for more information

Example of code:
LB A O 1 W 1000
TIMI 503 2800K IP20 M/F 24V 1000mm

LIGHTING SPECIFICATION • 燈具規格說明書

TYPE	代號	A2
DESCRIPTION	簡介	LINEAR RGB LED STRIP WITH ALUMINIUM HEAT SINK AND MOUNTING CLIPS
MODEL	型號	LIGHT PROJECT - TIMI 501 RGB + MOUNTING CLIPS: LB.L.O.1.W + KKCP 01
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	SILVER ANODISED
IP	保護等級	IP20
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	RGB LED 15.55W/m
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	N/A (RGB)
ACCESSORY	配件	1. KKCP 01 MOUNTING CLIPS 2. REMOTE DALI CONTROL GEAR
NOTES	注意	1. OVERALL LENGTH OF LED VARIES, TO BE CONFIRMED ON SITE BY CONTRACTOR



KKCP-01
TiMi clip
For use with TiMi series
Surface mounting clip
S/steel finish
L25mm W11.5mm H10.5mm

- KKDC 3 chip colour mixing RGB LED (Red 620-628nm, Green 521-527nm, Blue 459-464nm)
- Custom lengths available
- Vacuum plating available for additional protection against moisture
- Aluminium 'TiMi' heat sink housing
- 3,000hrs lifetime (T_a = -25°C to 50°C T_c max = 80°C)
- Control via DMX/DALI interface modules or other PWM systems
- Specification sheet & installation guide available on request

ILLUSTRATION • 插圖

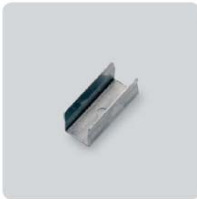
TiMi Order Code Table

		TIMI 351	TIMI 503	TIMI 501 RGB	TIMI XEN	TIMI 504 HCR
		LG	LB	LS	LY	CB
LED Colour	2800K (2700K*)	A	•	•	n/a	•
	3200K	B	•	•	n/a	•
	3800K	C	•	•	n/a	•
	5000K	D	•	•	n/a	•
	6500K	E	•	•	n/a	n/a
	9300K	Z	n/a	•	n/a	n/a
	Red	F	•	•	n/a	n/a
	Green	G	•	•	n/a	n/a
	Blue	H	•	•	n/a	n/a
	Orange	I	•	•	n/a	n/a
	Amber	J	•	•	n/a	n/a
	RGB	L	n/a	n/a	•	n/a
	Variable	M	n/a	n/a	n/a	•
IP	IP20	O	•	•	•	•
	VP protection**	V	•	•	•	•
Connectors	Male/Female 50mm	1	•	•	•	•
	Male/Female 300mm	2	•	•	•	•
	Single end tail 300mm	3	•	•	•	•
	Double end tail 300mm	4	•	•	•	•
Volt	24V	W	•	•	•	•
Length Availability		83.3-2000mm (83.3mm increments)	100-2000mm (100mm increments)	83.3-2000mm (83.3mm increments)	100-2000mm (100mm increments)	100-2000mm (100mm increments)

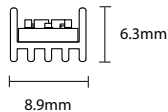
Example of code: **LB A O 1 W** 1000
TIMI 503 2800K IP20 N/F 24V 1000mm

LIGHTING SPECIFICATION • 燈具規格說明書

TYPE	代號	A3
DESCRIPTION	簡介	LINEAR VARIABLE WHITE LED STRIP WITH ALUMINIUM HEAT SINK AND MOUNTING CLIPS
MODEL	型號	LIGHT PROJECT - TIMI XEN + MOUNTING CLIPS: LY.M.O.1.W + KKCP 01
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	SILVER ANODISED
IP	保護等級	IP20
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	VARIABLE WHITE LED (12.24W/m)
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	VARIABLE - 2800K THROUGH TO AMBER
ACCESSORY	配件	1. KKCP 01 MOUNTING CLIPS 2. REMOTE DALI CONTROL GEAR
NOTES	注意	1. OVERALL LENGTH OF LED VARIES, TO BE CONFIRMED ON SITE BY CONTRACTOR



KKCP-01
TiMi clip
For use with TiMi series
Surface mounting clip
S/steel finish
L25mm W11.5mm H10.5mm



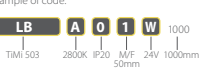
- Variable white, 2800K through to Amber when dimmed
- Custom lengths available
- Vacuum plating available for additional protection against moisture
- Aluminium 'TiMi' heat sink housing
- 50,000hrs lifetime ($T_a = -25^{\circ}\text{C}$ to 50°C T_c max = 75°C)
- Variable dimming via 1-10V XEN dimmer (KKDM-02)
- Specification sheet & installation guide available on request
- Photometric data in accordance with LM79 standard available on request

ILLUSTRATION • 插圖

TiMi Order Code Table

		TIMI 351	TIMI 503	TIMI 504 HCR	TIMI XEN	TIMI 504 HCRH
		LG	LB	LS	LY	CB
LED Colour	2800K (2700K*)	A	•	•	n/a	•
	3200K	B	•	•	n/a	•
	3800K	C	•	•	n/a	•
	5000K	D	•	•	n/a	•
	6500K	E	•	•	n/a	n/a
	9300K	Z	n/a	•	n/a	n/a
	Red	F	•	•	n/a	n/a
	Green	G	•	•	n/a	n/a
	Blue	H	•	•	n/a	n/a
	Orange	I	•	•	n/a	n/a
	Amber	J	•	•	n/a	n/a
	RGB	L	n/a	n/a	•	n/a
	Variable	M	n/a	n/a	•	n/a
IP	IP20	O	•	•	•	•
	VP protection**	V	•	•	•	•
Connectors	Male/Female 50mm	1	•	•	•	•
	Male/Female 300mm	2	•	•	•	•
	Single end tail 300mm	3	•	•	•	•
	Double end tail 300mm	4	•	•	•	•
Volt	24V	W	•	•	•	•
Length Availability		83.3-2000mm (83.3mm increments)	100-2000mm (100mm increments)	83.3-2000mm (83.3mm increments)	100-2000mm (100mm increments)	100-2000mm (100mm increments)

Example of code: **LB A O 1 W** 1000

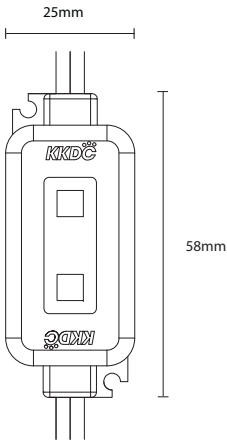


* 2700K applies to TiMi 504 HCR only. Do not use TiMi 504 HCR in combination with other LED strips as visual appearance of lighting effect will differ.

** See Vacuum Plating for more information

LIGHTING SPECIFICATION • 燈具規格說明書

TYPE	代號	A4
DESCRIPTION	簡介	FLEXIBLE LED MODULES
MODEL	型號	LIGHT PROJECT - AQUA DUO LUNA BM-A-8-6-Y-X
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	N/A
IP	保護等級	IP68
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	WARM WHITE LED MODULES (4.86W/m)
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	2800K
ACCESSORY	配件	1. REMOTE 0-10V DIMMABLE GEAR
NOTES	注意	1. OVERALL LENGTH OF LED VARIES, TO BE CONFIRMED ON SITE BY CONTRACTOR



- Bonded and ultra sonic welded transparent housing for IP68 waterproof protection
- KKDC **True Colour**
White: 2800K, 3200K, 3800K, 5000K, 6500K, 9300K
- Single colours: Red, Blue, Green, Orange, Amber
- Custom lengths available and easily cut to fit on site
- Flexible LED modules
- 50,000hrs lifetime ($T_a = -20^{\circ}\text{C}$ to 50°C $T_c \text{ max} = 60^{\circ}\text{C}$)
- Dimming via 1-10V/DMX/DALI interface modules or other PWM systems
- Specification sheet & installation guide available on request
- Photometric data in accordance with LM79 standard available on request

ILLUSTRATION • 插圖

Luna Order Code Table

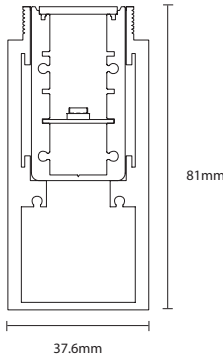
		Duo Luna	Quadro Luna	Quadro Luna-RGB	Aqua Duo Luna	Aqua Quadro Luna	Aqua Quadro Luna-RGB
		BB	BC	BA	BM	BN	BL
LED Colour	2800K	A	•	•	n/a	•	n/a
	3200K	B	•	•	n/a	•	n/a
	3800K	C	•	•	n/a	•	n/a
	5000K	D	•	•	n/a	•	n/a
	6500K	E	•	•	n/a	•	n/a
	9300K	Z	•	•	n/a	•	n/a
	Red	F	•	•	n/a	•	n/a
	Green	G	•	•	n/a	•	n/a
	Blue	H	•	•	n/a	•	n/a
	Orange	I	•	•	n/a	•	n/a
	Amber	J	•	•	n/a	•	n/a
	RGB	L	n/a	n/a	•	n/a	•
P	IP65	5	•	•	n/a	n/a	n/a
	IP68	8	n/a	n/a	n/a	•	•
Cable	Hardwire tail 100mm	6	•	•	•	•	•
	12V	Y	•	•	•	•	•
Length Availability		1000-15000mm Supplied to nearest metres, easily cut to fit on site	1000-8000mm Supplied to nearest metres, easily cut to fit on site	1000-10000mm Supplied to nearest metres, easily cut to fit on site	1000-15000mm Supplied to nearest metres, easily cut to fit on site	1000-8000mm Supplied to nearest metres, easily cut to fit on site	1000-10000mm Supplied to nearest metres, easily cut to fit on site

Example of code:



LIGHTING SPECIFICATION • 燈具規格說明書

TYPE	代號	A5
DESCRIPTION	簡介	LINEAR FLOOR RECESSED LED PROFILE
MODEL	型號	LIGHT PROJECT - IP68 MOMO-F 503 EG-A-8-8-W-X-A
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	SILVER ANODISED
IP	保護等級	IP68
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	KKDC TIMI 503 LED STRIP (14.4W/m) 2800K
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	2800K
ACCESSORY	配件	1. REMOTE 0-10V DIMMABLE GEAR
NOTES	注意	1. OVERALL LENGTHS OF PROFILE TO BE CONFIRMED ON SITE BY CONTRACTOR



- KKDC **True Colour**
White: 2800K, 3200K, 3800K, 5000K, 6500K, 9300K
- Single colours: Red, Blue, Green, Orange, Amber
- Single run of LED strip
- Custom lengths available
- IP68 variant with additional integral vacuum plating, vacuum sealed housing and increased anodisation
- Silver or black anodised aluminium 'MoMo-F' heat sink housing with choice of linear ground boxes
- Opal or clear diffuser options
- 50,000hrs lifetime ($T_a = -25^{\circ}\text{C}$ to 60°C $T_c \text{ max} = 70^{\circ}\text{C}$)
- Dimming via 1-10V/DMX/DALI interface modules or other PWM systems
- Specification sheet & installation guide available on request
- Photometric data in accordance with LM79 standard available on request

ILLUSTRATION • 插圖

MoMo-F Order Code Table

		MoMo-F 3+1	MoMo-F 503	MoMo2-F 503	MoMo-F 501-RGB	MoMo-F XEN	MoMo-F 504 HCRI	MoMo2-F 504 HCRI
		EI	EG	EH	EN	EX	CK	CL
LED Colour	2800K (2700K*)	A	*	*	n/a	n/a	*	*
	3200K	B	*	*	n/a	n/a	*	*
	3800K	C	*	*	n/a	n/a	*	*
	5000K	D	*	*	n/a	n/a	*	*
	6500K	E	*	*	n/a	n/a	n/a	n/a
	9300K	Z	n/a	*	n/a	n/a	n/a	n/a
	Red	F	*	*	n/a	n/a	n/a	n/a
	Green	G	*	*	n/a	n/a	n/a	n/a
	Blue	H	*	*	n/a	n/a	n/a	n/a
	Orange	I	*	*	n/a	n/a	n/a	n/a
	Amber	J	*	*	n/a	n/a	n/a	n/a
	RGB	L	n/a	n/a	n/a	*	n/a	n/a
Variable	M	n/a	n/a	n/a	n/a	*	n/a	n/a
IP	IP67	7	*	*	*	*	*	*
	IP68	8	*	*	*	*	*	*
Colour	Single hardware tall 1000mm	8	*	*	*	*	*	*
Volt	24V	W	*	*	*	*	*	*
Length Availability		93-2010mm (83.3mm increments)	110-2010mm (100mm increments)	110-2010mm (100mm increments)	93-2010mm (83.3mm increments)	110-2010mm (100mm increments)	110-2010mm (100mm increments)	110-2010mm (100mm increments)
Finish	Silver anodised opal diffuser	A	*	*	*	*	*	*
	Silver anodised clear diffuser	B	*	*	n/a	*	*	n/a
	Black anodised opal diffuser	E	*	*	*	*	*	*
	Black anodised clear diffuser	F	*	*	n/a	*	*	n/a

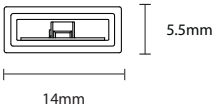
* 2700K applies to MoMo-F/MoMo2-F 504 HCRI only. Do not use MoMo-F/MoMo2-F 504 HCRI in combination with other LED strips as visual appearance of lighting effect will differ.

Example of code:



LIGHTING SPECIFICATION • 燈具規格說明書

TYPE	代號	A6
DESCRIPTION	簡介	LINEAR FLEXIBLE LED
MODEL	型號	LIGHT PROJECT - KKFX 65 + SILICONE MOUNTING STRAP BR-A-5-1-W + KKBK14
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	N/A
IP	保護等級	IP65
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	KKDC TIMI 504 HCRI LED STRIP (9.96W/m)
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	2800K
ACCESSORY	配件	1. KKBK14 MOUNTING CLIPS 2. REMOTE 0-10V DIMMABLE GEAR
NOTES	注意	1. OVERALL LENGTH OF LED VARIES, TO BE CONFIRMED ON SITE BY CONTRACTOR



- KKDC **True Colour**
White: 2800K, 3200K, 3800K, 5000K, 6500K
- Single colours: Red, Blue, Green, Orange, Amber
- Custom lengths available
- Integral heat sink, no additional thermal management required
- Flexible LED strip encapsulated within Silicon sleeve
- 50,000hrs lifetime ($T_a = -20^{\circ}\text{C}$ to 50°C $T_c \text{ max} = 65^{\circ}\text{C}$)
- Dimming via 1-10V/DMX/DALI interface modules or other PWM systems
- Specification sheet & installation guide available on request
- Photometric data in accordance with LM79 standard available on request

ILLUSTRATION • 插圖

KKFX Order Code Table

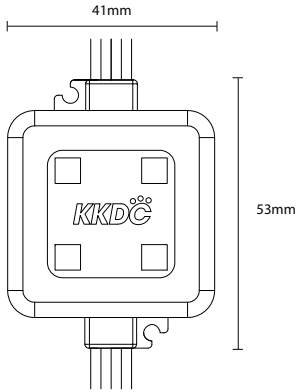
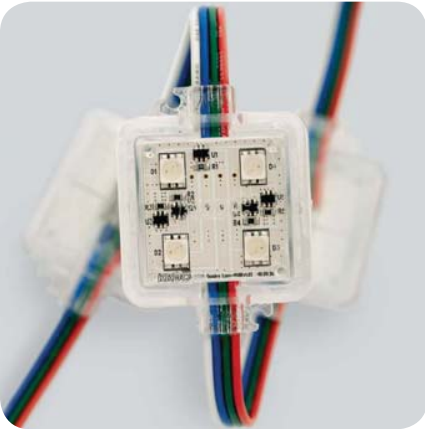
		KKFX BD	KKFX-RGB BE	KKFX 65 BG	KKFX 65-RGB BR
LED Colour	2800K	A	•	n/a	•
	3200K	B	•	n/a	•
	3800K	C	•	n/a	•
	5000K	D	•	n/a	•
	6500K	E	•	n/a	•
	Red	F	•	n/a	•
	Green	G	•	n/a	•
	Blue	H	•	n/a	•
	Orange	I	•	n/a	•
	Amber	J	•	n/a	•
IP	IP20	0	•	•	n/a
	IP65	5	n/a	n/a	•
Cable	Male/Female 50mm	1	•	•	n/a
	Tail 300mm	3	n/a	n/a	•
Volt	24V	W	•	•	•
Length Availability		62.5-7000mm 62.5mm increments	125-7000mm 125mm increments	65.5-7003mm 62.5mm increments	128-7003mm 125mm increments

Example of code:



LIGHTING SPECIFICATION • 燈具規格說明書

TYPE	代號	A10
DESCRIPTION	簡介	EXTERIOR RATED FLEXIBLE RGB LED
MODEL	型號	LIGHT PROJECT - AQUA QUADRO LUNA RGB: BL-L-8-6-Y
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	N/A
IP	保護等級	IP68
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	RGB LED (8.64W/m)
ANGLE	角度	120 DEGREE BEAM ANGLE
COLOR TEMP.	色溫	N/A (RGB)
ACCESSORY	配件	1. REMOTE DALI CONTROL GEAR
NOTES	注意	1. OVERALL LENGTH OF LED VARIES, TO BE CONFIRMED ON SITE BY CONTRACTOR



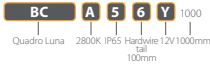
- Bonded and ultra sonic welded transparent housing for IP68 waterproof protection
- KKDC 3 chip colour mixing RGB LED (Red 620-628nm, Green 521-527nm, Blue 459-464nm)
- Custom lengths available and easily cut to fit on site
- Flexible LED modules
- 50,000hrs lifetime ($T_a = -20^{\circ}\text{C}$ to 50°C $T_c \text{ max} = 60^{\circ}\text{C}$)
- Control via DMX/DALI interface modules or other PWM systems
- Specification sheet & installation guide available on request

ILLUSTRATION • 插圖

Luna Order Code Table

		Duo Luna	Quadro Luna	Quadro Luna-RGB	Aqua Duo Luna	Aqua Quadro Luna	Aqua Quadro Luna-RGB
		BB	BC	BA	BM	BN	BL
LED Colour	2800K	A	•	•	n/a	•	•
	3200K	B	•	•	n/a	•	n/a
	3800K	C	•	•	n/a	•	n/a
	5000K	D	•	•	n/a	•	n/a
	6500K	E	•	•	n/a	•	n/a
	9300K	Z	•	•	n/a	•	n/a
	Red	F	•	•	n/a	•	n/a
	Green	G	•	•	n/a	•	n/a
	Blue	H	•	•	n/a	•	n/a
	Orange	I	•	•	n/a	•	n/a
	Amber	J	•	•	n/a	•	n/a
	RGB	L	n/a	n/a	•	n/a	•
P	IP65	5	•	•	•	n/a	n/a
	IP68	8	n/a	n/a	n/a	•	•
Cache	Hardwire tail 100mm	6	•	•	•	•	•
Volt	12V	Y	•	•	•	•	•
Length Availability		1000-15000mm Supplied to nearest metre, easily cut to fit on site	1000-8000mm Supplied to nearest metre, easily cut to fit on site	1000-10000mm Supplied to nearest metre, easily cut to fit on site	1000-15000mm Supplied to nearest metre, easily cut to fit on site	1000-8000mm Supplied to nearest metre, easily cut to fit on site	1000-10000mm Supplied to nearest metre, easily cut to fit on site

Example of code:



TYPE	代號	A14
DESCRIPTION	簡介	SINGLE RUN HIGH OUTPUT COLD CATHODE - ELECTRONIC 200MA, 0-10V DIMMABLE, 2800K WARM WHITE (3200 LUMENS P/M) WITH TURN BACK ELECTRODES
MODEL	型號	JBS ACDC - COVELITE, SINGLE RUN HIGH OUTPUT 200MA
DIMENSION	尺寸	REFER TO ILLUSTRATION AND ARCH / ID DRAWINGS
FINISH	飾面	WARM WHITE 2800K
IP	保護等級	IP20
MANUFACTURE	生產商	ACDC LIGHTING
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	TRIPHOSPHOR COLD CATHODE
ANGLE	角度	N/A
COLOR TEMP.	色溫	2800K
ACCESSORY	配件	1. TO BE SUPPLIED WITH SUITABLE 0-10V DIMMABLE ELECTRONIC CONTROL GEAR 2. GEAR TO BE COMPATIBLE WITH LIGHTING CONTROL SYSTEM
NOTES	注意	1. ALL LENGTHS MUST BE COORDINATED WITH RELEVANT ARCH / ID DRAWINGS AND ARE TO BE CONFIRMED ON SITE BY CONTRACTOR 2. ADJUSTABLE SUPPORT LEGS TO BE SET TO 10MM HIGH - <u>OVERALL HEIGHT TO BE NO MORE THAN 60MM</u> 3. ALL LENGTHS TO BE MOUNTED IN COVES <i>WITHOUT</i> REFLECTOR TRAY - ALL INTERNAL SURFACES OF COVES TO BE PAINTED <u>MATTE WHITE</u>



PRODUCT SPECIFICATION - Covelite

APPLICATIONS: Continuous illumination of recesses, coffers and 3D Architecture

Description

Covelite is a modern method of providing continuous lighting to coffered ceilings in uplighting or downlighting installations. The light it provides is smooth and continuous and eliminates unattractive hot spots and shadow gaps. Covelite is based around the latest electronic cold cathode control gear mounted on a reflector gear tray which can be tailored for performance lighting if required, making the system flexible. It can be installed in a wide variety of buildings, ranging from small retail units and bars to vast shopping centres and hotels. In summary, Covelite is ideal for todays fast track construction projects and has been the choice for thousands of cold cathode projects since its introduction.

Features

- Simple "Plug & Go" wiring
- 30% less power consumption than traditional systems
- Dimmable to low levels
- Choice of reflector profiles
- Curved or straight to any contour
- Compact
- Low weight
- No fireman's switch required

Gear Mounting Position

- Integral
NB This product is designed for indirect lighting applications only and is not suitable for surface mounting. For further assistance contact sales.

Benefits

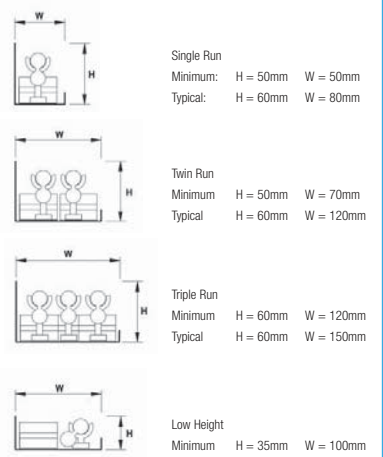
Covelite offers the following additional benefits:

- **Easy to Specify**
Covelite gives the designer known parameters to work with in terms of lighting performance, dimming, dimensions and power consumption. It is as easy to specify as any standard lighting product.
- **Easy to Install**
A 70% reduction in installation time can be achieved over traditional systems and Covelite is a one fix system. All that is required is a power supply to be taken directly to the cove.



Technical Data

Please note that all dimensions are subject to a tolerance of +/- 2mm



*OVERALL HEIGHT TO BE NO MORE THAN 60MM

NB For curved runs allow typical dimensions.



TYPE	代號	A15
DESCRIPTION	簡介	SINGLE RUN HIGH OUTPUT - EXTERIOR RATED COLD CATHODE - ELECTRONIC 200MA, 0-10V DIMMABLE, 2800K WARM WHITE (3200 LUMENS P/M) WITH TURN BACK ELECTRODES
MODEL	型號	JSB ACDC - COVELITE EXTERIOR, SINGLE RUN HIGH OUTPUT 200MA
DIMENSION	尺寸	REFER TO ILLUSTRATION AND ARCH / ID DRAWINGS
FINISH	飾面	WARM WHITE 2800K
IP	保護等級	IP20
MANUFACTURE	生產商	ACDC LIGHTING
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	TRIPHOSPHOR COLD CATHODE
ANGLE	角度	N/A
COLOR TEMP.	色溫	2800K
ACCESSORY	配件	1. TO BE SUPPLIED WITH SUITABLE 0-10V DIMMABLE ELECTRONIC CONTROL GEAR 2. GEAR TO BE COMPATIBLE WITH LIGHT- ING CONTROL SYSTEM
NOTES	注意	1. ALL LENGTHS MUST BE COORDINATED WITH RELEVANT ARCH / ID DRAWINGS AND ARE TO BE CONFIRMED ON SITE BY CONTRACTOR 2. ADJUSTABLE SUPPORT LEGS TO BE SET TO 10MM HIGH - OVERALL HEIGHT TO BE NO MORE THAN 60MM 3. ALL LENGTHS TO BE MOUNTED IN COVES WITHOUT REFLECTOR TRAY - ALL INTER- NAL SURFACES OF COVES TO BE PAINTED MATTE WHITE

Covelite™ Exterior

PRODUCT SPECIFICATION - Covelite Exterior

APPLICATIONS: Integration into building
façades of continuous halo effects.

Description

The ACDC Covelite system has been used throughout the world for interior
coffer lighting applications, uplighting ceilings and features with smooth
continuous light whilst eliminating unattractive hot spots and shadow gaps.

Covelite Exterior is an exterior rated version as the same modular product,
utilising the same long life cold cathode lamp, and IP65 high frequency
control gear mounted on an aluminium gear tray. The quick fit modular units
can be easily installed using IP65 plug and sockets making this a simple yet
effective exterior lighting solution.

Features

- IP65 for exterior use
- Fully modular solution
- Simple IP plug and socket
- Compact 60mm square profile
- Low weight
- Curved or straight
- No fireman's switch required

Gear Mounting Position

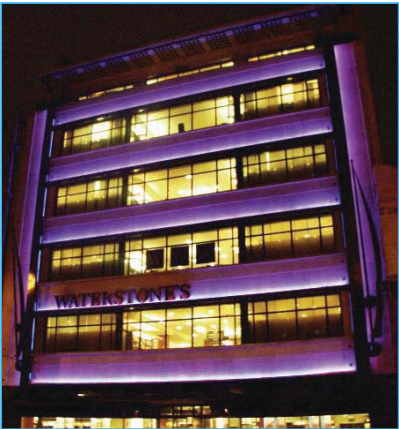
- Integral

NB This product is designed for indirect lighting applications. Superior quality
metalwork can be provided, and painted to RAL colours. For further
assistance contact sales.

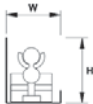
Benefits

Covelite Exterior offers the following additional benefits:

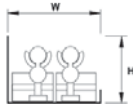
- **Easy to specify**
Covelite gives the designer known parameters to work with in terms of
lighting performance, dimensions and power consumption. It is as easy
to specify as any standard lighting product.
- **Easy to install**
This plug and socket arrangement minimises installation time. Loop in
and out mains connections using IP65 plug and sockets.



Technical Data



Single Lamp
Minimum: H = 60mm, W = 60mm
Typical: H = 80mm, W = 80mm



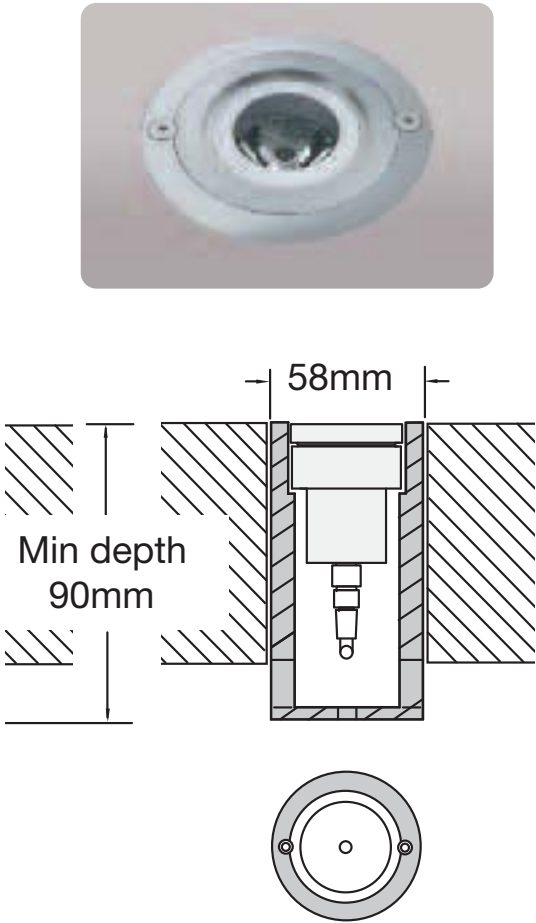
Twin Lamp
Minimum: H = 80mm, W = 80mm
Typical: H = 80mm, W = 80mm

Please note that all dimensions are subject to a tolerance of +/- 2mm
NB For curved runs allow typical dimensions.



*OVERALL HEIGHT TO BE NO MORE THAN 60MM

TYPE	代號	A19
DESCRIPTION	簡介	RECESSED LED UPLIGHT
MODEL	型號	JSB ACDC - 1704/27/18R/AAB/DGC/FMS
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	ANODISED ALUMINIUM BLACK
IP	保護等級	IP68
MANUFACTURE	生產商	ACDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	1 x 2.2W CREE XPE LED AT 700mA
ANGLE	角度	A19.1 = 18 DEGREE A19.2 = 30 DEGREE
COLOR TEMP.	色溫	2700K
ACCESSORY	配件	1. TO BE SUPPLIED WITH 0-10V DIMMABLE DRIVER
NOTES	注意	1. TRANSFORMER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM



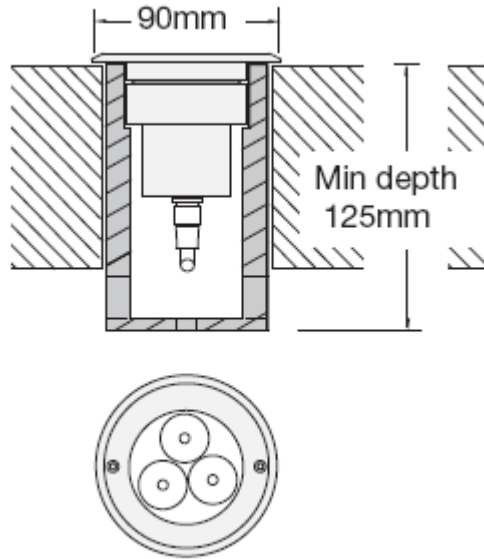
Part Code

Mounting Option	
Flush Mounted	FMF
Flush Mounted with csk holes in Bezel	FMS
Bezel Mounted	BMF
Bezel Mounted with csk holes in Bezel	BMS
Diffuser	
Clear Glass (Standard Option)	DGC
Frosted Glass	DGF
Front Ring Finish	
Anodised Aluminium Silver	AAS
Anodised Aluminium Black	AAB
Stainless Steel Brushed	SSB
Collimator Lens	
None	U
12°	12R
18°	18R
30°	30R
50°	50R
LED Colour	
6000°K Cold White	60
4200°K Neutral White	42
3000°K Warm White	30
2700°K Extra Warm White	27
Red	R
Green	G
Blue	B
Amber	A

ACDC1014/42/18R/SSB/DGC/BMS

Additional Option
Installation Sleeve Option ACDC1704


TYPE	代號	A20
DESCRIPTION	簡介	RECESSED LED UPLIGHT
MODEL	型號	JSB ACDC - 1028/27/30R/SSB/DGC/FMF
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	BRUSHED STAINLESS STEEL
IP	保護等級	IP68
MANUFACTURE	生產商	ACDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	3 x 2.2W CREE XPE LED AT 700mA
ANGLE	角度	30 DEGREE
COLOR TEMP.	色溫	2700K
ACCESSORY	配件	1. TO BE SUPPLIED WITH 0-10V DIMMABLE DRIVER
NOTES	注意	1. TRANSFORMER DIMMING TO BE COMPAT- IBLE WITH CONTROL SYSTEM



Part Code

Mounting Option	
Flush Mounted	FMF
Flush Mounted with csk holes in Bezel	FMS
Bezel Mounted	BMF
Bezel Mounted with csk holes in Bezel	BMS
Diffuser	
Clear Glass (Standard Option)	DGC
Frosted Glass	DGF
Front Ring Finish	
Anodised Aluminium Silver	AAS
Anodised Aluminium Black	AAB
Stainless Steel Brushed	SSB
Collimator Lens	
None	U
12°	12R
18°	18R
30°	30R
50°	50R
LED Colour	
6000°K Cold White	60
4200°K Neutral White	42
3000°K Warm White	30
2700°K Extra Warm White	27
Red	R
Green	G
Blue	B
Amber	A
Red Blue Green Colour Change	RGB
Additional Option	
Installation Sleeve Option	ACDC1703

ACDC1028/B/18R/AAS/DGC/BMF



Mondo is a compact asymmetric recessed light utilising an LED hidden by a minimal flange. The luminaire can be mounted either in a wall or ceiling to offer a clearly defined wash of light and can be utilised in numerous project applications, such as corridors, stairways and more general feature lights. Mondo is also able to be used as an emergency luminaire when converted for use with an ACDC 1911 emergency driver. The Mondo family of products can be used inside and out, enabling seamless integration across a whole project.

Weight	300g / 530g / 960g
Temperature Range	-10°C to 40°C
Mounting Type	Recessed Wall or Ceiling
Finishes	AAB, AAS, White Powder Coat, RAL
IP Rating	IP65

Figure 1: Dimensions of the test specimens. The figure shows a cross-section of a specimen and three top-down views labeled Small, Medium, and Large. The cross-section shows a central hole with a diameter of 45 mm. The Small specimen has an outer square of 80 mm by 80 mm and a cut-out of 63 mm by 62 mm. The Medium specimen has an outer square of 111 mm by 111 mm and a cut-out of 90 mm by 86 mm. The Large specimen has an outer square of 142 mm by 142 mm and a cut-out of 105 mm by 107 mm.

TYPE	代號	A22
DESCRIPTION	簡介	UNDER WATER RECESSED WALL LIGHT / POOL LIGHT
MODEL	型號	LS333ANS-2 + 1608
DIMENSION	尺寸	REFER TO ILLUSTRATION
FINISH	飾面	STAINLESS STEEL FACE PLATE
IP	保護等級	IP68
MANUFACTURE	生產商	LUMASCAPE
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	A22.1 = OSRAM 50W ES MR16 10 DEGREE A22.2 = OSRAM 50W ES MR16 36 DEGREE
ANGLE	角度	VARIES
COLOR TEMP.	色溫	HALOGEN 3000K
ACCESSORY	配件	1. IP RATED REMOTE ELECTRONIC TRANS-FOMER WITH LEADING EDGE AND TRAIL-ING EDGE TECHNOLOGY 2. HONEYCOMB LOUVER 3. PRE INSTALL KIT
NOTES	注意	1. ALL CABLE CONNECTIONS TO USE HEAT SEALED RESIN CAPS

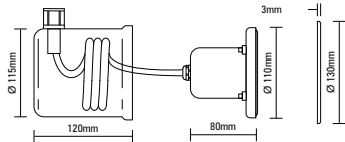
LUMASCAPE

Lumascape Lighting Industries Pty Ltd
38-44 Enterprise Street, Cleveland, QLD 4163, Australia
Tel (07) 3286 2299 Fax (07) 3286 6599 Email sales@lumascape.com.au

LS333ANS-2
POOL LUMINAIRE



LS333ANS-2
75W MR16, standard 3m cable configuration depicted



Lighting Designer	Fixture
Supplier	

SOURCE

12V, MR16 75W max
Remote transformer only
Refer to page 126 for details (order separately)

FEATURES

Ingress protection rating - IP68
Corrosion resistant 316 stainless steel
- marine grade
Unique design ensures light output is always perpendicular to mounting surface
Flush cover masks gap between luminaire and surround
Toughened 8mm lens
Self re-setting thermal protection device

OPTIONS

LS333ANS-2

Supplied with underwater cable
- maximum 8m
- 3m underwater cable (standard)
- 5m underwater cable
- 8m underwater cable

LS333ANS-2X

Supplied without cable. Order with LS682.
LS682 cable supplied with 3m underwater cable joined to 10m, 20m, 25m or 30m burial cable, separate to luminaire to facilitate installation into conduit.

LS682-0310 (3m + 10m)

LS682-0620 (3m + 20m)

LS682-0625 (3m + 25m)

LS682-1030 (3m + 30m)

Burial cable and niche available prior to supply of luminaire

ACCESSORIES

Dichroic colour filters



LS643-R Red LS643-B Blue
LS643-G Green LS643-Y Yellow

Colour filters

LS633-B Blue LS633-Y Yellow
LS633-G Green

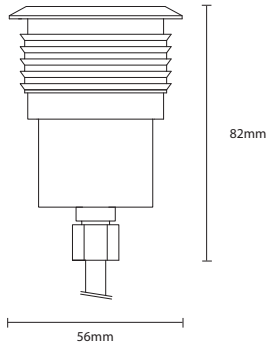
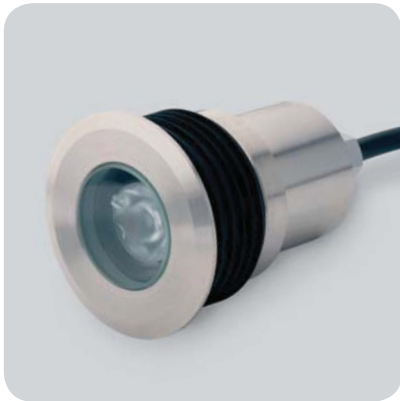
LLLS Linear spreader lens

Any luminaire can become hot – caution should always be used in both appropriate use and placement

HOW TO SPECIFY...								
PRODUCT		SOURCE				CABLE		
CODE			DESCRIPTION	WATTAGE	LAMP BASE	VOLTAGE	TOTAL LENGTH	CODE
LS333ANS-2	UNDERWATER		MR16	75 max	GU5,3	12	3m Standard	
							5m	1605
							8m	1608
EXAMPLE		LS333ANS-2 - 1608 POOL LUMINAIRE, with 8m underwater cable						
CODE			DESCRIPTION	WATTAGE	LAMP BASE	VOLTAGE	TOTAL LENGTH	
LS333ANS-2X	UNDERWATER		MR16	75 max	GU5,3	12	Select LS682 from options listed above	
EXAMPLE		LS333ANS-2X and LS682 - 0310 POOL LUMINAIRE, supplied with separate 3m underwater cable joined to 10m burial cable						
Net niche and 3m submersible cable, allows easy servicing above water surface. Dry conduit entry (recommend 25mm conduit)								

Wet niche and 3m submersible cable, allows easy servicing above water surface. Dry conduit entry (recommend 25mm conduit)

TYPE	代號	A23
DESCRIPTION	簡介	RECESSED LED UPLIGHT
MODEL	型號	LIGHT PROJECT - TAYO SPOT LIGHT SL-A-7-7-Y-D
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	STAINLESS STEEL
IP	保護等級	IP67
MANUFACTURE	生產商	KKDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	1 x 2.4W LED
ANGLE	角度	25 DEGREE
COLOR TEMP.	色溫	2800K
ACCESSORY	配件	1. TO BE SUPPLIED WITH 0-10V DIMMABLE DRIVER
NOTES	注意	1. DRIVER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM



		TAYO Spot	TAYO Spreader	TAYO Micro-Lo	TAYO Micro-Hi
		SL	SP	SU	ST
LED Colour	2800K	A	•	•	•
	3800K	C	•	•	•
	6500K	E	•	•	•
	Red	F	•	•	•
	Green	G	•	•	•
	Blue	H	•	•	•
IP	IP67	7	•	•	•
Cable	Hardwire tail 300mm	7	•	•	•
Volt	12V	Y	•	•	•
Lens Type	15degree	B	•	n/a	n/a
	25degree	D	•	n/a	n/a
	60degree	E	•	n/a	n/a
	Spreader Lens	S	n/a	•	n/a
	Diffused	F	•	•	•

Example of code:

SL A 7 7 Y B
TAYO Spot 2800K IP67 Hardwire tail 300mm 12V 15°

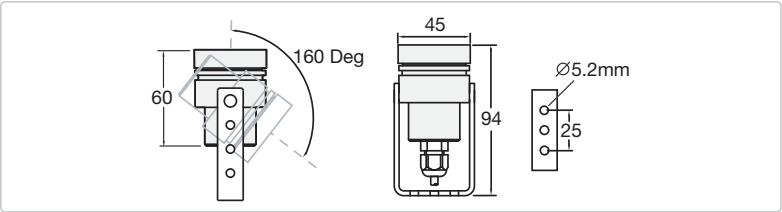
NINGBO VILLA, CHINA •
INTERIOR - BASEMENT, GROUND, LEVEL 1-3 •

*'Star Ceiling' reference image

TYPE	代號	A27
DESCRIPTION	簡介	SURFACE MOUNTED ADJUSTABLE LED SPOT LIGHT
MODEL	型號	A27.1 = JSB ACDC - 1031/27/12R/SSB A27.2 = JSB ACDC - 1031/27/30R/SSB
DIMENSION	尺寸	REFER TO ILLUSTRATION
FINISH	飾面	BRUSHED STAINLESS STEEL
IP	保護等級	IP68
MANUFACTURE	生產商	ACDC
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	1 x 2.2W CREE XPE LED AT 700mA
ANGLE	角度	A27.1 = 12 DEGREE A27.2 = 30 DEGREE
COLOR TEMP.	色溫	2700K
ACCESSORY	配件	1. TO BE SUPPLIED WITH 0-10V DIMMABLE DRIVER
NOTES	注意	1. DRIVER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM



Lighting Performance		Electrical Data	
LED Quantity	1	Input Current	Up to 700mA
LED Type	Rebel / XP	Driver Type	Series Driver
Max Operating Current	700mA	Series Rating	1
Total Light Output Lumens (CW)	180	Connection Type	Pre-fitted with cable
LED Lifetime (to 70% Lumen maintenance)	50,000 hrs	Cable Type	2 Core 0.5mm2
Colour Rendering CRI (WW)	90	Cable Length	2m
		Luminaire Data	
		Weight	650g Stainless Steel 340g Aluminium
		Temperature Range	-10°C to 40°C
		Mounting Type	Surface Mounted
		Finishes	Black or Silver Anodised, Brushed Stainless Steel
		IP Rating	IP68



Finish		
Anodised Aluminium Silver	AAS	
Anodised Aluminium Black	AAB	
Stainless Steel Brushed	SSB	
Collimator Lens		
12°	12R	
18°	18R	
30°	30R	
50°	50R	
LED Colour		
6000°K Cold White	60	
4200°K Neutral White	42	
3000°K Warm White	30	
2700°K Extra Warm White	27	
Red	R	
Green	G	
Blue	B	
Amber	A	
		ACDC1031/42/18R/AAB
Additional Option		
100mm Garden Spike	ACDC1702	

TYPE	代號	A29
DESCRIPTION	簡介	GROUND/SOIL MOUNTED ADJUSTABLE SPIKE LIGHT
MODEL	型號	LS782A - ASTELIA
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	POLISHED COPPER
IP	保護等級	IP54
MANUFACTURE	生產商	LUMASCAPE
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	OSRAM 20W ES MR16 HALOGEN LAMP
ANGLE	角度	36 DEGREE
COLOR TEMP.	色溫	HALOGEN 3000K
ACCESSORY	配件	1. HONEY COMB LOUVER 2. EXTERIOR RATED REMOTE TRANSFORMER WITH LEADING EDGE AND TRAILING EDGE TECHNOLOGY
NOTES	注意	3. TRANSFORMER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM

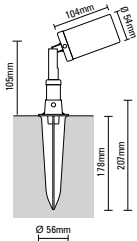
LUMASCAPE


Lumascap Lighting Industries Pty Ltd
38-44 Enterprise Street, Cleveland, QLD 4163, Australia
Tel (07) 3286 2299 Fax (07) 3286 6599 Email sales@lumascap.com.au

LS 2A ASTELIA



LS782A
Astelia polished copper configuration depicted



HOW TO SPECIFY...								
PRODUCT		SOURCE				FINISH		
CODE		DESCRIPTION	WATTAGE	LAMP BASE	VOLTAGE	MATERIAL	DESCRIPTION	CODE
LS782A		MR16	50 max	GU5.3	12	Copper	Polished Copper	
							Satin Chrome	CP
						Aluminium	Powdercoated: Black	CB
							Powdercoated: White	CW
							Powdercoated: Anodic silver	CS
EXAMPLE		LS782A ASTELIA, finished in polished copper						

Lighting Designer	Fixture
Supplier	

SOURCE

12V, MR16 lamp (50W max)
Remote transformer only (order separately)

FEATURES

- Ingress protection rating - IP54
- Internal honeycomb louvre
- Internal heat shield reduces lamp temperature and extends lamp life
- Fully adjustable

OPTIONS

Mounting configurations

- Spike mounted for easy installation (standard)
- Surface mounting plate for solid surfaces

Metal finishes: copper

- Polished copper (standard)
- Satin chrome

Powdercoat finishes: aluminium

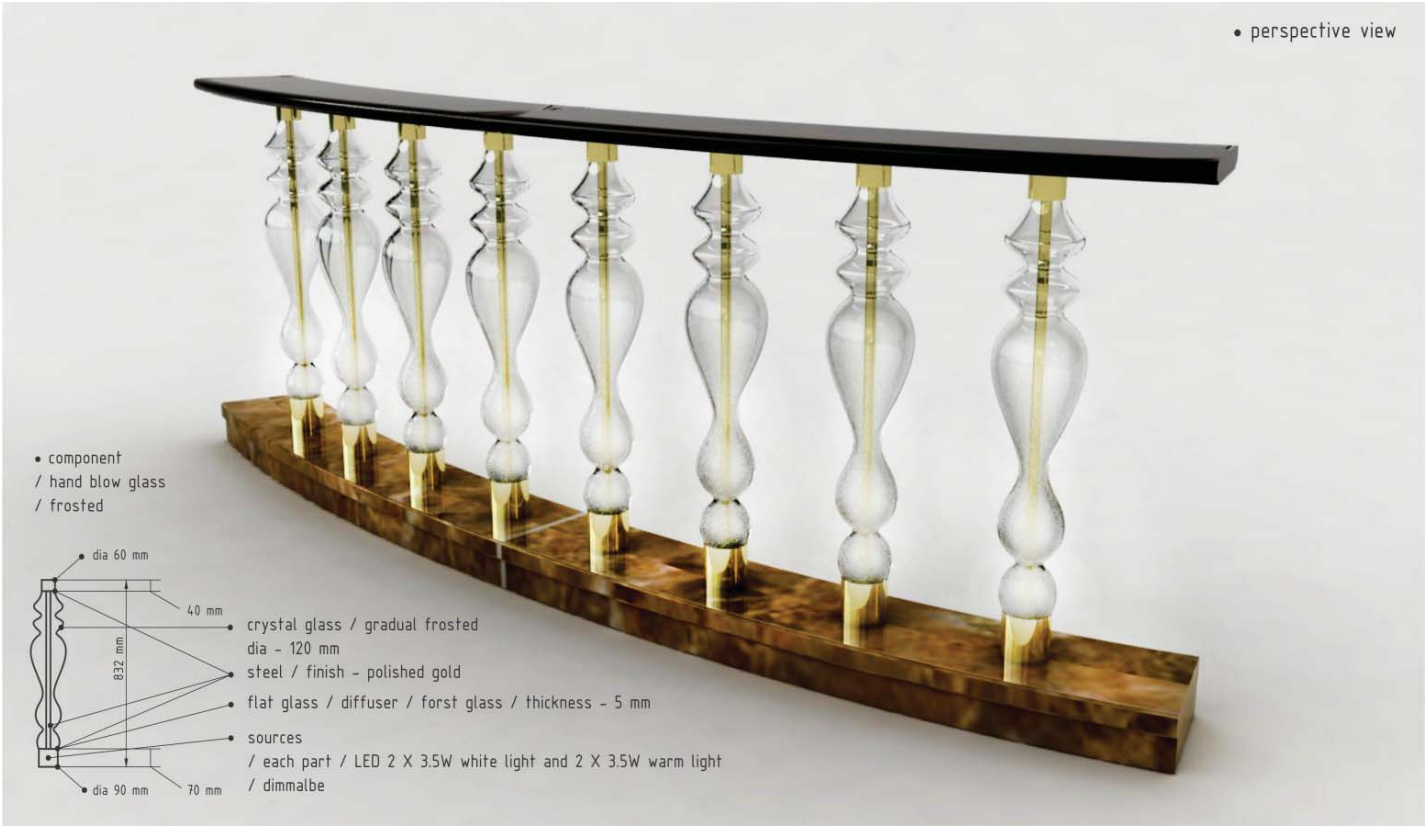
- Black
- White
- Anodic silver

ACCESSORIES

- LS624 Glare shield
- LS617 Frosted lens
- LLS Linear spreader lens
- LS633 Colour filter
- LS643 Dichroic filter

Any luminaire can become hot – caution should always be used in both appropriate use and placement

TYPE	代號	A30
DESCRIPTION	簡介	HAND BLOWN GLASS BALUSTRADE WITH INTEGRATED LED
MODEL	型號	LLQ048-00
DIMENSION	尺寸	REFER TO ILLUSTRATION AND DRAWINGS
FINISH	飾面	HAND BLOWN GLASS
IP	保護等級	IP20
MANUFACTURE	生產商	LASVIT
SUPPLIER	供應商	LASVIT, HONG KONG PH • 电话: +852 2866 1234 FX • 传真: +852 2866 2212
LAMP	光源	2 X 3.5W COOL WHITE LED, 2 X 3.5W WARM WHITE LED
ANGLE	角度	N/A
COLOR TEMP.	色溫	4200K AND 3000K
ACCESSORY	配件	1. WARM WHITE AND COOL WHITE LED TO BE CIRCUITED SEPERATLY AND BOTH TO HAVE DIMMABLE 0-10V DRIVERS
NOTES	注意	1. DRIVER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM



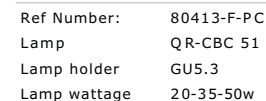
LASVIT		11Q048-00	
Dimensions	H - 832 mm Dia - 120 mm	Metal finish	steel / polished gold
Weight	approx. 5 kg / segment	Crystal	
Light source	LED 14 W / segment	Glass parts	hand blow glass / frosted
Wattage		Other	
Designer	Tomáš Hovorka	Signature	

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www.lucient-lighting.com



Fixture	Orientation	Lamp	Mounting	TrimColour	IPRating
80413	F - Fixed A - Adjustable	MR - MR16 (low voltage) MH - CMH/MR16 (Metal Halide) LED - ProSpex LED	PC - Flush Trim PB - Surface Trim	WH - White BK - Black	IP - IP44

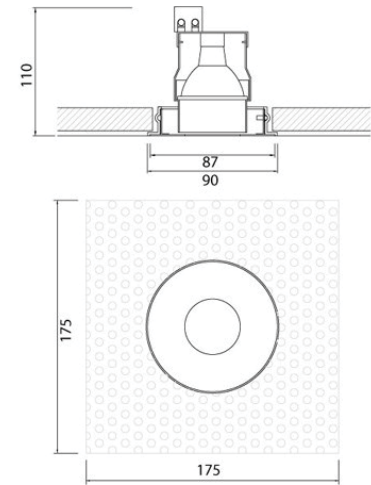


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email: info@lucent-lighting.com

TYPE	代號	A37
DESCRIPTION	簡介	IP RATED ROUND ADJUSTABLE 'PIN HOLE' DOWN LIGHT - TRIMLESS
MODEL	型號	XENIAN - PROSPEX 90 - 80413-A-MR-PC-WH-IP
DIMENSION	尺寸	REFER TO ILLUSTRATION
FINISH	飾面	WHITE COVER FACE
IP	保護等級	IP44
MANUFACTURE	生產商	LUCENT
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	A13.1 = OSRAM 35W ES MR16 10 DEGREE A13.2 = OSRAM 35W ES MR16 24 DEGREE A13.3 = OSRAM 35W ES MR16 36 DEGREE
ANGLE	角度	VARIOUS
COLOR TEMP.	色溫	HALOGEN 3000K
ACCESSORY	配件	1. LL45 HONEYCOMB LOUVER AND CLIP 2. ELECTRONIC TRANSFORMER WITH LEADING AND TRAILING EDGE TECHNOLOGY
NOTES	注意	1. TRANSFORMER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM

www.lucen-lighting.com



Ordering Information

Fixture	Orientation	Lamp	Mounting	TrimColour	IPRating
80413	F - Fixed A - Adjustable	MR - MR16 (low voltage) MH - CMH/MR16 (Metal Halide) LED - ProSpex LED	PC - Flush Trim PB - Surface Trim	WH - White BK - Black	IP - IP44

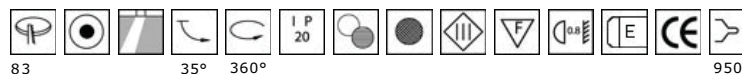


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email: info@lucen-lighting.com

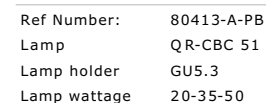
Ref Number:	80413-F-PC
Lamp	QR-CBC 51
Lamp holder	GU5.3
Lamp wattage	20-35-50w

Fixed pinhole downlight.
Deep regressed lamp position for minimal glare.
PC = flush trim with mesh plate for plaster installation.
Easy re-lamping with ball catch mechanism.
Other colour finishes to order -white as standard.
Overall diameter of ceiling trim 90mm.
Overall size of mesh plate 175 x 175mm
Overall diameter of luminaire 87mm.
Ceiling cut out 83mm.
Maximum height 110mm
Transformer to be ordered separately.
Accessories to be ordered separately.

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Fixture	Orientation	Lamp	Mounting	TrimColour	IPRating
80413	F - Fixed A - Adjustable	MR - MR16 (low voltage) MH - CMH/MR16 (Metal Halide) LED - ProSpex LED	PC - Flush Trim PB - Surface Trim	WH - White BK - Black	IP - IP44

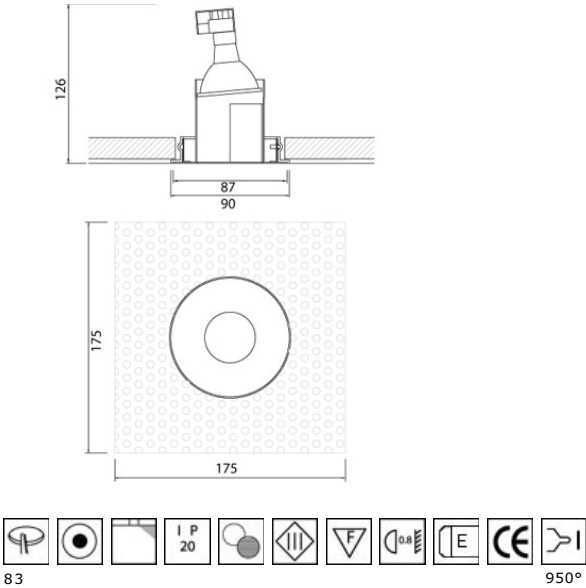


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email: info@lucent-lighting.com

TYPE	代號	A39
DESCRIPTION	簡介	ROUND FIXED 'PIN HOLE' WASH LIGHT - TRIMLESS
MODEL	型號	XENIAN - PROSPEX 90 - 80413-WL-MR-PC-WH
DIMENSION	尺寸	REFER TO ILLUSTRATION
FINISH	飾面	WHITE COVER FACE
IP	保護等級	IP20
MANUFACTURE	生產商	LUCENT
SUPPLIER	供應商	CREATIVE LIGHTING ASIA HONG KONG PH • 电话: (852) 2815 9168 FX • 传真: (852) 2817 2285
LAMP	光源	OSRAM 35W ES MR16 HALOGEN
ANGLE	角度	36 DEGREE
COLOR TEMP.	色溫	HALOGEN 3000K
ACCESSORY	配件	1. ELECTRONIC TRANSFORMER WITH LEADING AND TRAILING EDGE TECHNOLOGY
NOTES	注意	1. TRANSFORMER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM

ProSpex® - 90 Pinhole Washlight - 80413-WL-PC



Ordering Information

Fixture	Orientation	Lamp	Mounting	TrimColour
80413	WL - Washlight	MR - MR16 (low voltage) MH - CMH/MR16 (Metal Halide) LED - ProSpex LED engine	PC - Flush Trim PB - Surface Trim	WH - White BK - Black



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Ref Number:	80413-WL-PB
Lamp	QR-CBC 51
Lamp holder	GU5.3
Lamp wattage	20-35-50w

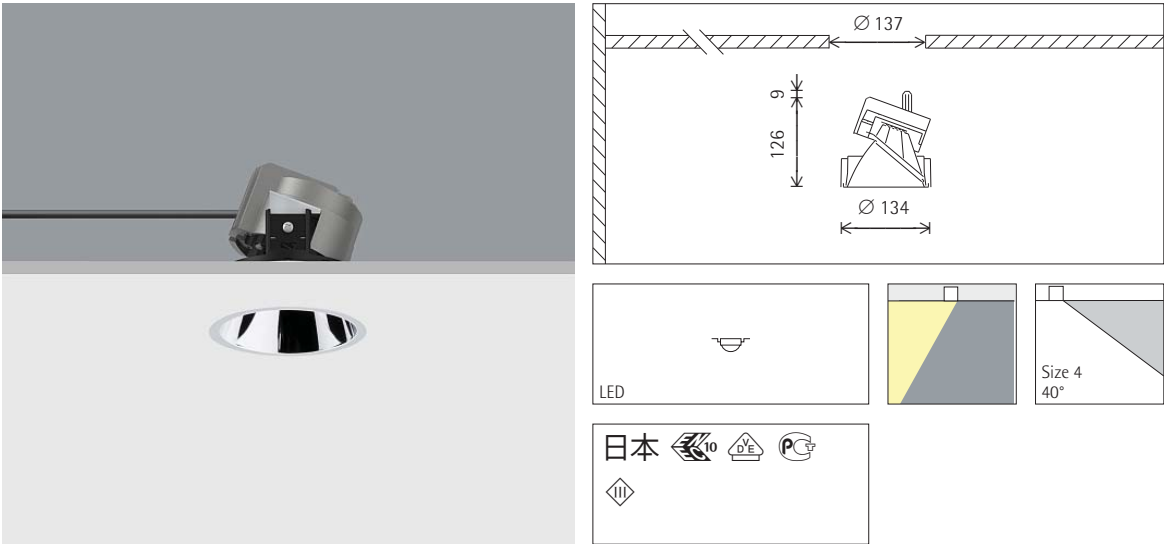
Fixed pinhole washlight.
Matt kick reflector.
Deep regressed lamp for minimal glare.
Black internal baffle.
Easy re-lamping with ball catch mechanism.
PB = mounting ring for installation into existing ceilings, minimal visible trim.
Other colour finishes to order - white as standard.
Overall diameter of ceiling trim 84mm.
Overall diameter of luminaire 87mm.
Ceiling cut out 83mm
Maximum height 126mm
Use EXK/EXN lamp reference.
Transformer to be ordered separately.

TYPE	代號	A42
DESCRIPTION	簡介	RECESSED LENS WALLWASHER - TRIMLESS
MODEL	型號	47746.000
DIMENSION	尺寸	REFER TO ILLUSTRATION
FINISH	飾面	WHITE WITH SILVER REFLECTOR
IP	保護等級	IP20
MANUFACTURE	生產商	ERCO
SUPPLIER	供應商	ERCO, HONG KONG PH • 电话: +852 3165 8780 FX • 传真: +852 3165 8790
LAMP	光源	FACTORY FITTED LED 21W - 1305lm
ANGLE	角度	N/A - WALLWASHER
COLOR TEMP.	色溫	3200K
ACCESSORY	配件	1. ELECTRONIC TRANSFORMER WITH LEADING AND TRAILING EDGE TECHNOLOGY
NOTES	注意	1. TRANSFORMER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM

ERCO

Quintessence Lens wallwasher

with LED



47746.000 Reflector silver
LED 21W 1305lm 3200K warm white
Version 1
Flush mounting detail

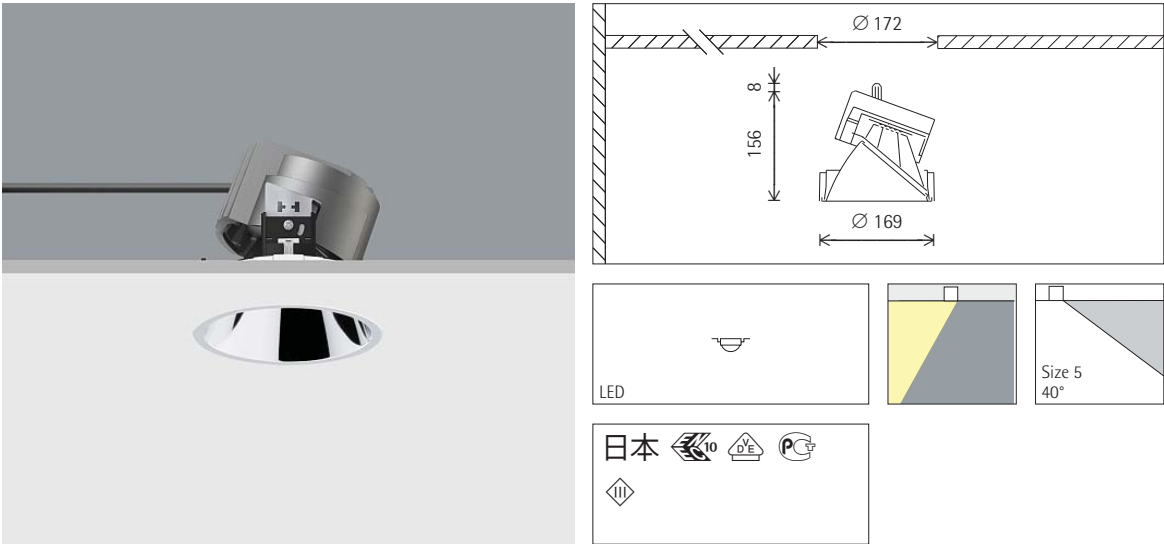
Product description
Housing: cast aluminium, designed as heat sink. Fixing ring: plastic, black. Fixing of the beam direction.
Mounting ring: plastic, white (RAL9002). Mounting for ceiling thicknesses of 1-25mm with covered mounting detail and 12.5-25mm with flush mounting detail.
Cable, L 500mm.
Replaceable LED module: high-power LEDs on metal-core PCB. Wallwasher reflector for mixing light: aluminium, silver, mirror-finish anodised.
Darklight reflector: aluminium, bright anodised, with upper wallwasher lens designed as safety glass. Cut-off angle 40°.
Recess depth 150mm for installation unit 83695.000
Control gear to be ordered separately.
Weight 0.60kg

TYPE	代號	A43
DESCRIPTION	簡介	RECESSED LENS WALLWASHER - TRIMLESS
MODEL	型號	47748.000
DIMENSION	尺寸	REFER TO ILLUSTRATION
FINISH	飾面	WHITE WITH SILVER REFLECTOR
IP	保護等級	IP20
MANUFACTURE	生產商	ERCO
SUPPLIER	供應商	ERCO, HONG KONG PH • 电话: +852 3165 8780 FX • 传真: +852 3165 8790
LAMP	光源	FACTORY FITTED LED 28W - 1740lm
ANGLE	角度	N/A - WALLWASHER
COLOR TEMP.	色溫	3200K
ACCESSORY	配件	1. ELECTRONIC TRANSFORMER WITH LEADING AND TRAILING EDGE TECHNOLOGY
NOTES	注意	1. TRANSFORMER DIMMING TO BE COMPATIBLE WITH CONTROL SYSTEM

ERCO

Quintessence Lens wallwasher

with LED



47748.000 Reflector silver
LED 28W 1740lm 3200K warm white
Version 1
Flush mounting detail

Product description
Housing: cast aluminium, designed as heat sink. Fixing ring: plastic, black. Fixing of the beam direction. Mounting ring: plastic, white (RAL9002). Mounting for ceiling thicknesses of 1-30mm with covered mounting detail and 12.5-25mm with flush mounting detail. Cable, L 500mm. Replaceable LED module: high-power LEDs on metal-core PCB. Wallwasher reflector for mixing light: aluminium, silver, mirror-finish anodised. Darklight reflector: aluminium, bright anodised, with upper wallwasher lens designed as safety glass. Cut-off angle 40°. Control gear to be ordered separately. Weight 1.00kg