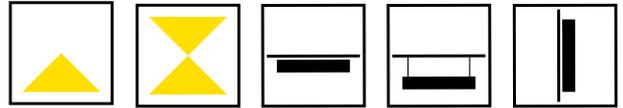


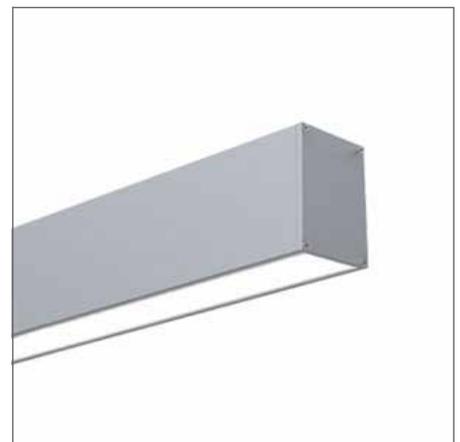
# QUAD 50+

MODULAR, CONTINUOUS & MADE-TO-MEASURE



## KEY FEATURES

- Surface, Suspended and Wall mounted Direct-Indirect lighting
- Standard modular lengths, continuous connected modules or made-to-measure project-specific lengths
- Direct-Indirect lighting or Direct only with PHILIPS Fortimo LED boards and compact PHILIPS Xitanium Fixed Output drivers
- DALI dimmable option, or Casambi bluetooth control
- Integrated 3-hour emergency conversions available
- Matt White, Matt Black and Anodised Aluminium standard finishes, with many more on request including RAL & vinyl
- UGR compliant with up to 139 LL/CW (Direct)



**PHILIPS CASAMBI**

**60 YEARS  
IN LIGHT**

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EMAIL: sales@optelma.co.uk

ISSUE DATE: 03/11/20

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### FRANCE

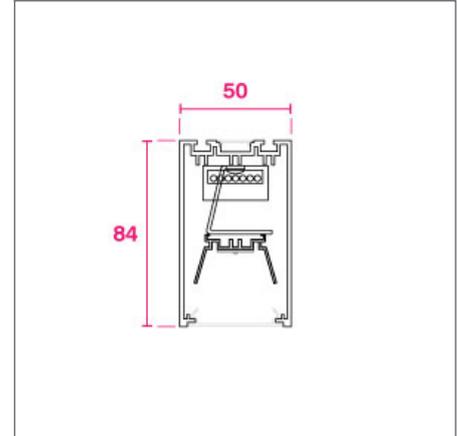
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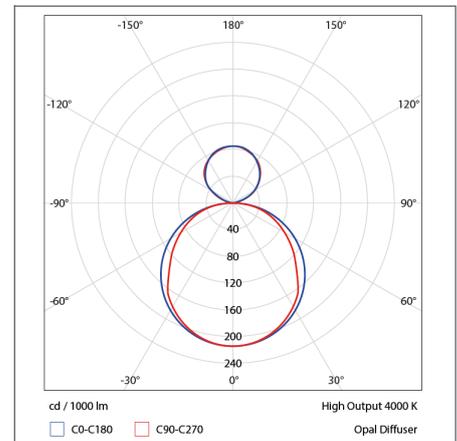
St. Urbangasse 53  
Postfach 1738  
CH-4502 Solothurn  
Switzerland

**QUAD 50+ SPECIFICATIONS**

PRODUCT OPTIONS			
Dimensions (mm):	50 (W) x 84 (H)		
Cut-out (mm):	N/A		
Weight (kg):	2.5 kg per Metre		
Lifetime:	50,000 hrs		
Mounting type:	Surface (Direct only), Suspended, Wall Mounted (Direct-Indirect)		
Finish:	White (RAL9016), White (RAL9010), Black, Anodised Aluminium		
Emergency:	DALI or Standard 3 hour emergency conversion (30% driver output)		
Operating voltage:	230V		
IP Rating:	IP20		
Direct Light source:	Philips High Efficiency LED [HE]	Philips High Output LED [HO]	
Source Lumens/M:	2275 [4000K]	3850 [4000K]	
Delivered Lumens/M:	1825 [MPO]	1571 [OPAL]	3088 [MPO] 2659 [OPAL]
Power Watts/M:	12.6	21.0	
Indirect Light source:	Opteline LED [OB], 1582lm/M (1093 delivered Opal diff.), 15.2W/M		
Driver:	Fixed Output, DALI Dim. (Direct only or Direct & Indirect), Casambi		
Colour temperature:	3000K, 4000K		
Diffuser:	OPAL (LOR 69.07%), MPO (LOR 80.2%)		
CRI:	80+		
Optional Extras: <i>(On request, Lead times will be affected)</i>	Collimated optic downlights, CRI90+, Tuneable White, RGB, RGBW, 2700K, 3500K, 5000K, 6000K LED, integrated Track, PIR/Daylight sensors, IP rated up to IP65, alternative finishes. All on request.		



SURFACE/SUSP. CROSS-SECTION (MM)



POLAR CURVE 4000K OPAL DIR-IND

**MODULAR LENGTHS WITH FAST-TRACK LEAD TIMES**

Module Lengths	MPO [HO] Direct only*	OPAL [HO] Direct only*	OPAL [OB] Indirect
870	2511lm/18W	2089lm/18W	951lm/13W
1150	3344lm/24W	2785lm/24W	1257lm/17W
1430	4180lm/30W	3481lm/30W	1563lm/22W
1710	5016lm/36W	4177lm/36W	1869lm/26W
1990	5852lm/42W	4873lm/42W	2175lm/30W
2270	6688lm/48W	5569lm/48W	2481lm/35W
2550	7524lm/54W	6265lm/54W	2787lm/39W
2830	8360lm/60W	6961lm/60W	3093lm/43W

**CONNECTED CONTINUOUS MODULAR SYSTEM**

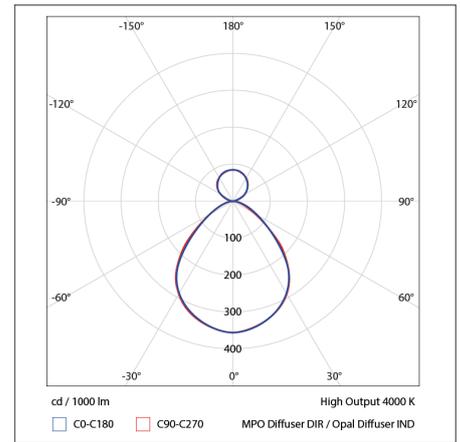
Start/End Modules	MPO [HO] Direct only**	OPAL [HO] Direct only**	OPAL [OB] Indirect
1150	3344lm/24W	2785lm/24W	1257lm/17W
1430	4180lm/30W	3481lm/30W	1563lm/22W
1710	5016lm/36W	4177lm/36W	1869lm/26W
1990	5852lm/42W	4873lm/42W	2175lm/30W
2830	8360lm/60W	6961lm/60W	3093lm/43W
90° Corner			
590x590	3344lm/24W	2785lm/24W	1257lm/17W
Middle Modules			
2805	8360lm/60W	6961lm/60W	3065lm/43W
2805 Em.	100lm [Em.]	168lm [Em.]	N/A (DIR only)

\* Delivered lumen outputs with Philips Fortimo High Output 4000K LED. Modular lead times from 2 weeks. Custom options affect price & lead time.  
\*\* For connected continuous system 3-hour DALI Emergency is available in middle modules only. Be sure to specify START/MIDDLE/END/LEFT/RIGHT.

## CUSTOM LIGHT SOURCES FOR MADE-TO-MEASURE SOLUTIONS

Light Source	LED Source Output	Additional Information
Opteline Board 24V LED	1582lm/M / 15.2W/M	50mm cut-points
Helvar Tuneable White LED	4165lm/M / 21.7W/M	2700K to 6500K
LEE Tuneable White LED	1887lm/M / 10.5W/M	2700K to 5700K
RGB 24V LED Tape	470lm/M / 15W/M	62.5mm cut-points
RGBW 24V LED Tape	750lm/M / 30.8W/M	62.5mm cut-points
Mini Fixed Downlight Ø52	105lm / 4.5W	20°, 38°, 60° beam angles
Integrated 230V Track	See spotlight range online	1-circuit or 3-circuit DALI

\* Source lumens output at 4000K. Custom options affect price & lead time. We have 60+ years experience in bespoke/made-to-measure lighting, so if what you want is not listed, please enquire.



POLAR CURVE 4000K MPO DIR. OPAL IND.

## QUAD 50+ COMPONENTS



**MECHANICAL COUPLER**  
Flush connections between modules.

**MITRED T-JUNCTION**  
Join more than one linear lighting section.



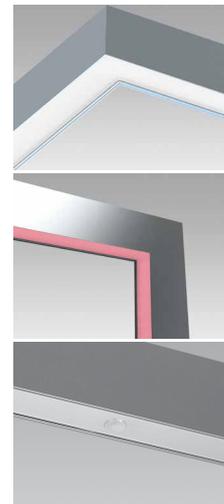
**INTEGRATED DOWNLIGHTS**  
Fixed miniature downlights.



**CORNICE SUPPORT**  
Fixing bracket for wall mounting the profile.

**CHANGE-OF-PLANE**  
Continuous lighting from ceiling to wall.

**COLLIMATED DOWNLIGHTS**  
Integrated fixed LED optics (1, 2, 5 or 10).



**MITRED CORNER**  
Let continuous light turn corners between 81° and 180°.

**RGB LIGHTING**  
24V RGB LED lighting options available.

**PIR SENSOR**  
Miniature Passive Infrared sensor for motion detection.

## INTEGRATED EMERGENCY CONVERSIONS



The integrated Emergency conversion (Standard/DALI) will run the driver at 30% output for 3-hours. The converted drivers output is shared equally across each connected board, illuminating the entire length in emergency mode. This improves uniformity to comply with emergency regulations.

A maximum of 10 boards (2810mm module) can be connected to one emergency conversion kit. Longer lengths will require multiple emergency conversions.

Module lengths	Medium Power Emergency*	High Power Emergency*
850mm	99.45lm	168.3lm
1130mm	99.45lm	168.3lm
1410mm	99.45lm	168.3lm
1690mm	99.45lm	168.3lm
1970mm	99.45lm	168.3lm
2250mm	99.45lm	168.3lm
2530mm	99.45lm	168.3lm
2810mm	99.45lm	168.3lm



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Switzerland

## QUAD 50+ SPECIFICATION CODE

AAAA - BB/C/D/E - F/GGG - F/GGG - HHHH/I										
AAAA PRODUCT ID	BB MOUNTING	C FINISH	D DRIVER	E DIFFUSER	F DIRECT LED	GGG CRI/ COLOUR	F INDIRECT LED	GGG CRI/ COLOUR	HHH LENGTH (mm)	I EMERGENCY
QU50	SM SP WM	B W WW A X*	F D DD C	O M	E O X*	827 830 840 8TW 8RW X*	0	827 830 840 X*	0870 1150 1430 1710 1990 2270 2550 2830 X*	E DE

- MOUNTING** 'SM' Surface Mounted, 'SP' Suspended Parallel, 'WM' Wall Mounted  
**FINISH** 'B' Matt Black, 'W' White RAL 9016, 'WW' White RAL 9010, 'A' Anodised Aluminium, 'X' Custom Finish  
**DRIVER** 'F' Fixed Output, 'D' DALI, 'DD' DALI Direct & Indirect, 'C' Casambi control  
**DIFFUSER** 'O' Opal, 'M' MPO  
**DIRECT LED** 'E' High Efficiency 650lm boards, 'O' High Output 1100lm boards, 'X' Custom - specify details alongside code  
**CRI / COLOUR** '827' CRI 80+ Colour 2700K, '830' CRI 80+ Colour 3000K, '840' CRI 80+ Colour 4000K, '8TW' CRI 80+ Tuneable White 2700K-6500K, '8RW' CRI 80+ RGBW LED, 'X' Custom - specify details alongside code  
**INDIRECT LED** 'O' Opteline LED boards, 'X' Custom - specify details alongside code  
**CRI / COLOUR** '827' CRI 80+ Colour 2700K, '830' CRI 80+ Colour 3000K, '840' CRI 80+ Colour 4000K  
**LENGTH** Modular lengths in millimetres, 'X' Specify custom length  
**EMERGENCY** 'E' Standard Integrated Emergency, 'DE' DALI Integrated Emergency

For through-wired continuous modules, specify: 'START', 'MIDDLE', 'END', 'LEFT' or 'RIGHT' to build light systems

### STANDARD

Standard fixed option products for quick and easy specification. Point source LED and Linear LED solutions, organised into Track & Spots, Downlights, Recessed, Surface, Suspended and Wall mounted solutions.

### MADE-TO-MEASURE

Versatile systems and luminaires with custom specifications for project-specific lighting. Available in custom sizes and lengths, with many options including curves, corners, finishes, integrated accessories and more.

### BESPOKE

Bespoke luminaires demonstrating completely custom project solutions, designed with the clients from concept to delivery. Learn about the design process and inspire your next bespoke lighting project.



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