

Lighting building blocks



READY-TO-USE COMPONENTS FOR ILLUMINATION SOLUTIONS

PRODUCTS & FEATURES

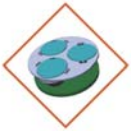
All-in-one modules with the following characteristics:

- *single and multiple light sources on MR16 and PAR64 compatible fixture*
- *metal core PCB*
- *integrated lenses and lens holders*
- *power LEDs*

APPLICATIONS

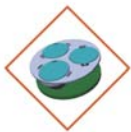
- *custom lighting solutions*
- *modular illuminators*
- *reading lights*
- *decorative lights*
- *furniture downlights*

Datasensor Optics experience in optomechatronic designing and manufacturing has determined the engineering of ready-to-use Lighting Building Blocks (LBB) suitable for several illumination solutions. Our LBBs are composed by metal core PCB, power LEDs, lenses and lens holders and are able to offer both single point and multiple point sources on MR16 and PAR64 compatible fixture.

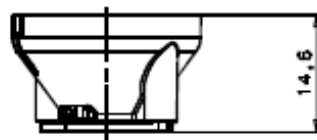
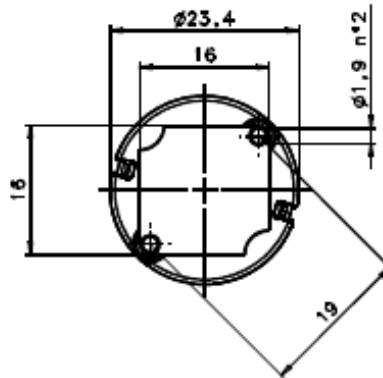


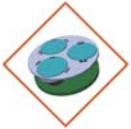
LBB - 1

Description	
Nominal Current	Max. 350mA (700mA with Luxeon III)
Max Power	1.2W
Average Luminous flux	40lm
Lighting Angle	10°, 25°, 45°, 10x30°
Color	Blue, Green, Amber, Red, White, IR
Source number	1
LED	OSRAM Golden Dragon or Lumiled Luxeon I and III
Fixture	Single
External Diameter(mm)	φ 23.4mm



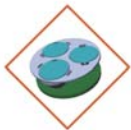
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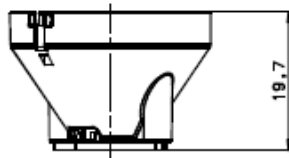
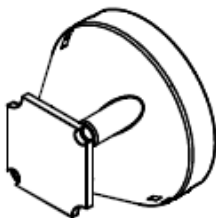
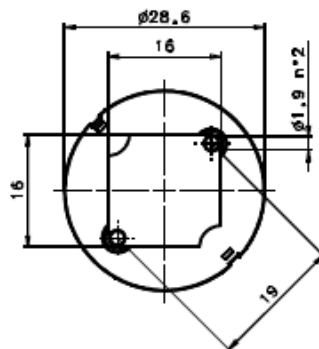


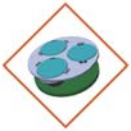
LBB - 2

Description	
Nominal Current	Max. 350mA (700mA with Luxeon III)
Max Power	1.2W
Average Luminous flux	40lm
Lighting Angle	10°, 25°, 45°, 10x30°
Color	Blue, Green, Amber, Red, White, IR
Source number	1
LED	OSRAM Golden Dragon or Lumiled Luxeon I and III
Fixture	Single
External Diameter(mm)	φ 28.6mm



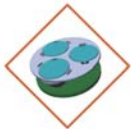
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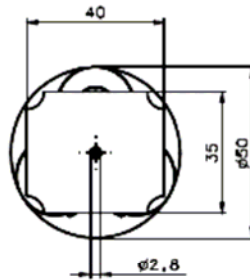
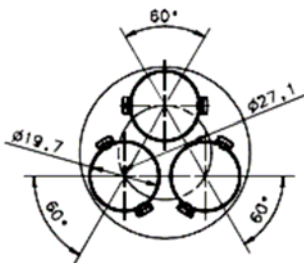


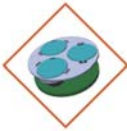
LBB - 3

Description	
Nominal Current	Max. 350mA (700mA with Luxeon III)
Max Power	3.6W
Average Luminous flux	120lm
Lighting Angle	10°, 25°, 45°, 10x30°
Color	Blue, Green, Amber, Red, White, IR
Source number	3
LED	OSRAM Golden Dragon or Lumiled Luxeon I and III
Fixture	MR16
External Diameter(mm)	φ 49.5mm



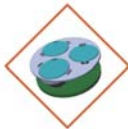
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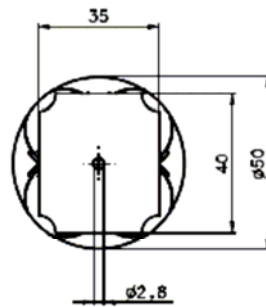
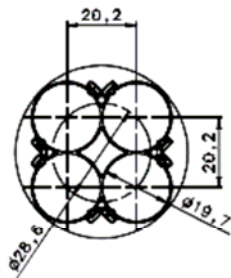


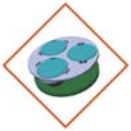
LBB - 4

Description	
Nominal Current	Max. 350mA (700mA with Luxeon III)
Max Power	4.8W
Average Luminous flux	160lm
Beam Angle	10°, 25°, 45°, 10x30°
Color	Blue, Green, Amber, Red, White, IR
Source number	4
LED	OSRAM Golden Dragon or Lumiled Luxeon I and III
Fixture	MR16
External Diameter(mm)	φ 49.5mm



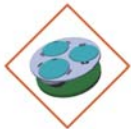
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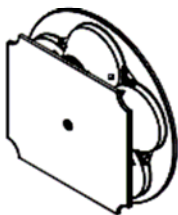
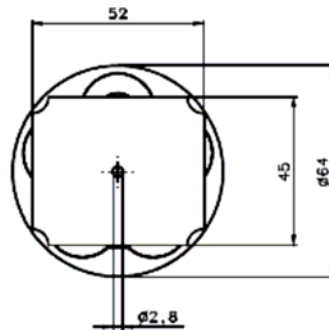
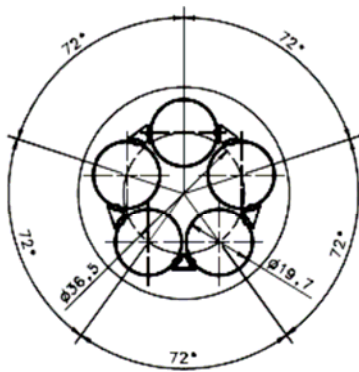


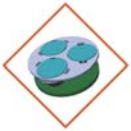
LBB - 5

Description	
Nominal Current	Max. 350mA (700mA with Luxeon III)
Max Power	6.2W
Average Luminous flux	200lm
Lighting Angle	10°, 25°, 45°, 10x30°
Color	Blue, Green, Amber, Red, White, IR
Source number	5
LED	OSRAM Golden Dragon or Lumiled Luxeon I and III
Fixture	PAR 64
External Diameter(mm)	φ 64mm



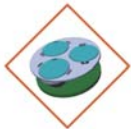
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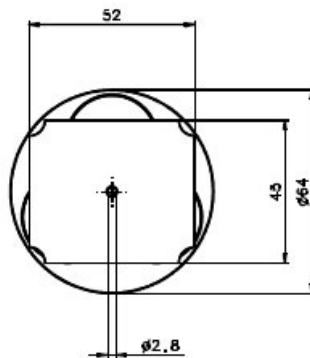
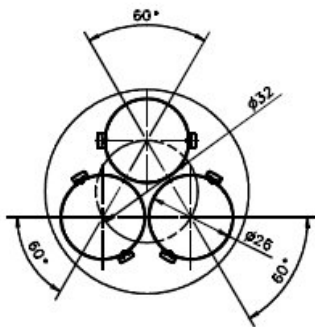


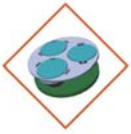
LBB - 6

Description	
Nominal Current	Max. 350mA (700mA with Luxeon III)
Max Power	6.2W
Average Luminous flux	200lm
Lighting Angle	10°, 25°, 45°, 10x30°
Color	Blue, Green, Amber, Red, White, IR
Source number	3
LED	OSRAM Golden Dragon or Lumiled Luxeon I and III
Fixture	PAR 64
External Diameter(mm)	φ 64mm



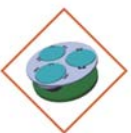
Dimensions





Models

LBB-1	1xOSR 1W WHITE SPOT	950401480
LBB-2	1xOSR 1W WHITE SPOT	950401490
LBB-3	3xOSR 1W WHITE SPOT	950401500
LBB-4	4xOSR 1W WHITE SPOT	950401510
LBB-5	5xOSR 1W WHITE SPOT	950401520
LBB-6	3xOSR 1W WHITE SPOT	950401530



On request

Each building block can be manufactured on custom request within the following options:

	Source number	LED Type	Power	Colour	Emission angle
LBB	1	OSR	1W	White	Spot:6°Lens
	3	OSR : Osram	3W (Lumileds only)	Red	Flood:25°Lens
	4	LUM: Lumileds		Green	Diffuse:45°Lens
	5			Blue	Line:10x30°Lens
				Yellow	
		IR: infrared (OSRAM only)			

Contact our sales support for complete definition of your custom illumination solution.
www.datasensoroptics.it