

versie
01-2

UK

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Methusalem

Cool Led Technology

Designed and produced in The Netherlands



Methusalem

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LEGENDA

UK In the tables you will find the light technical details for all the fixtures. The type number/order number consists of the type of fixture and the photometric code. This number combination also includes the beam angle of the fixture. The data code in the table corresponds to the code in the Data Matrix. In this matrix you will find the various current (mA) which regulate the fixture and the flux (Lm) which ensue. The information in the data matrix under Vf (Forward Voltage) and under W (Wattage), together with the current (Lm) determine the choice of the Driver (see figure 2). The value of the Vf and of the Wattage may not exceed the value of the driver.

NL Bij alle armaturen vindt u tabellen met de lichttechnische gegevens (zie fig. 1). Het type-nummer/ordernummer bestaat uit het armaturetype en de fotometrische code. Deze nummercombinatie geeft ook de stralingshoek weer van het armatuur (Beam Angle). De datacode in de tabel correspondeert met de code in de Data Matrix. In deze matrix staan de verschillende stuurstromen (mA) waarmee het armatuur is aan te sturen en de lichtstromen (Lm) die daarbij wordt verkregen. De gegevens in de datamatrix onder Vf (Forward Voltage) en onder W (Wattage) zijn, samen met de stuurstroom (Lm), bepalend voor de keuze van de Driver (zie fig. 2). De waarde van de Vf en van het Wattage mogen de waarde van de driver niet overschrijden.

D Bei allen Leuchten finden sich Tabellen mit den lichttechnischen Angaben (s. Abb.1). Die Typennummer/Bestellnummer besteht aus dem Leuchtentyp und dem fotometrischen Code. Diese Zahlenkombination gibt auch den Strahlungswinkel der Leuchte an (Beam Angle). Der Datencode in der Tabelle korrespondiert mit dem Code in der Datenmatrix. In dieser Matrix stehen die verschiedenen Steuerströme (mA), mit denen die Leuchte zu versorgen ist und die Lichtströme (Lm), die dabei erreicht werden. Die Angaben in der Datenmatrix unter Vf (Forward Voltage) und unter W (Wattage) sind, gemeinsam mit dem Steuerstrom (Lm), ausschlaggebend für die Wahl der Treiber (s. Abb.2). Die Werte der Vf und der Wattage dürfen die Werte des Treibers nicht übersteigen.

Fig. 2

DATA Matrix							
Code	mA	Lm	Lm/W	Vf	W	K	CRI

Current
Stuurstroom
Stromstärke

LED voltage
Ledspanning
Ledspannung

Capacity
Vermogen
Kapazität

Fig. 1

Type nr. = Type + Code

Citizen LED		Xicato LED	
Type	code	code	angle
M225 HL	C1533	21°	
	C1633	36°	C-08
	C1733	56°	
		XE 33	21°

DATA Matrix							
Code	mA	Lm	Lm/W	Vf	W	K	CRI
500	7420	146	3x33,8	50,7	3000	85	
700	10180	141	3x34,5	72,3	3000	85	
900	12840	135	3x35,1	94,8	3000	85	
1050	14770	132	3x35,6	112,2	3000	85	
1200	16600	128	3x36,1	130	3000	85	

Drivers Treibers		pag. ?	
mA	W	Vf	W
500	6090	130	3x31,2
700	7100	121	3x31,9

Data code
 Current | Stuurstroom | Steuerstrom
 Flux | Lichtstroom | Lichtstrom
 Flux p/W | Lichtstroom p/W | Lichtstrom p/W
 Led voltage | Ledspanning | LED-Spannung
 Power | Vermogen | Leistung
 Color temperature | Kleurtemperatuur | Farbtemperatur
 Color index | Kleurindex | Farbindex

Methusalem

Light that never dies – Licht dat niet dooft – Licht das nicht erlischt



Methusalem

UK A lighting system fitted with the brand new quality label Cool Led Technology (CLT). The Methusalem lighting systems with this CLT label simply never give up. Methusalem is a system built up out of modular elements. Both technical and decorative elements can be added as required. It can be used anywhere, there are plenty of variations possible. Fixtures go up to 25.000 Lm. All designs are based on the CLT technology.

NL Een verlichtingssysteem voorzien van gloednieuwe kwaliteitslabel Cool Led Technology (CLT). Methusalem verlichtsystemen voorzien van dit CLT label geven het nooit op. Methusalem is een systeem dat is opgebouwd uit modulaire elementen. Naar believen kunnen zowel technische als decoratieve elementen eraan worden toegevoegd. Overal toepasbaar, variatie genoeg: armaturen tot meer dan 20.000Lm. Alle ontwerpen zijn gebaseerd op CLT technologie.

D Ein Beleuchtungssystem, das mit dem brandneuen Gütesiegel CLT (Cool Led Technology) ausgestattet ist. Methusalem Beleuchtungssysteme mit dem CLT Gütesiegel versagen nie. Methusalem ist ein System, das aus modularen Elementen zusammengestellt ist. Ganz nach Bedarf können sowohl technische als auch dekorative Elemente hinzugefügt werden. Überall kompatibel, beliebige Variationsmöglichkeiten: Leuchten bis mehr als 25.000Lm. Alle Entwürfe basieren auf CLT-Technologie.

Cool Led Technology (CLT)

UK The CLT label guarantees quality for sustainable use and is a direct result of research into the application of LED-chips in lighting fixtures. This led to the development of a whole new generation of fixtures. Fixture and light source are combined together as one electronic product with a passive heat absorption and release system. This guarantees the quality of the light and its lifespan.

NL Het CLT label is een kwaliteitsgarantie voor duurzaam gebruik en komt rechtstreeks voort uit onderzoek naar de toepassing van Led-chips in verlichtingsarmaturen. Daaruit ontstond een geheel nieuwe generatie armaturen. Armaturen en lichtbron zijn als het ware samengesmolten tot één elektronisch product met een passieve warmte opname en afgiftesysteem. Hierdoor is de lichtkwaliteit en levensduur gewaarborgd.

D Das CLT-Siegel bietet eine Qualitätsgarantie für langlebigen Gebrauch und kommt unmittelbar aus der Anwendungsforschung für Led-Chips in Beleuchtungskörpern. Daraus hat sich eine völlig neue Generation von Leuchten entwickelt. Leuchten und Lichtquelle sind im wahrsten Sinne des Wortes verschmolzen zu einem elektronischen Produkt mit passivem Wärme-Aufnahme-und-Abgabe-System, das Lichtqualität und Lebensdauer verbürgt.



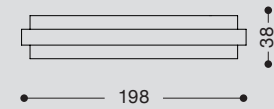
M222 HL.01.C9833

M224 HL.01.C9533

M222 PL.01.C9833

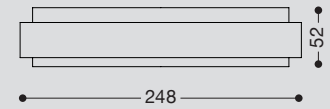
M224 PL.01.C9533

Belus 198



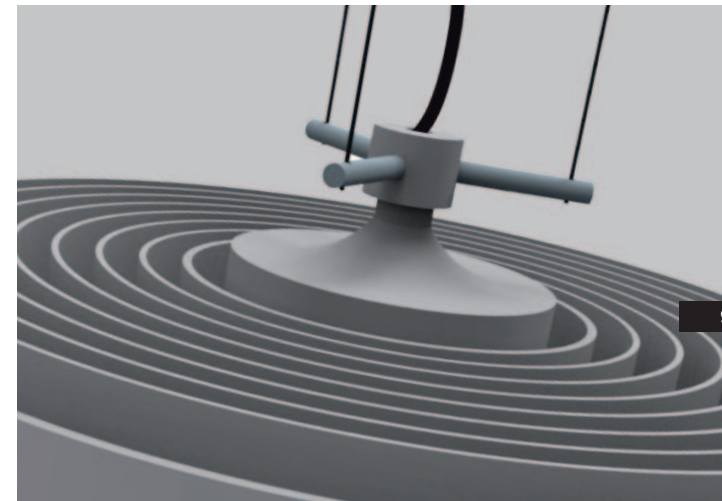
M222

Belus 248



M224

Photometric				Beam angle	Data	Photometric			
Type	code	Beam angle	Type			code	Beam angle	Data	
M222	C9833	114°	C-06	M224	C9533	114°	C-08		



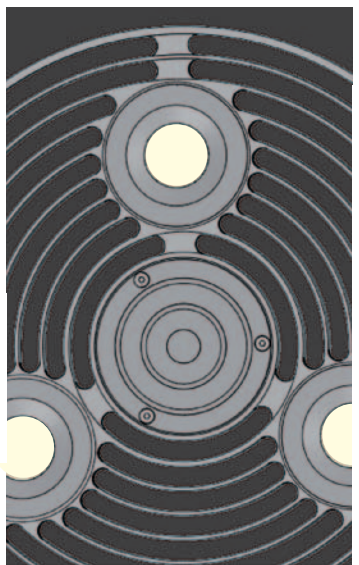
Belus

UK Methusalem fixtures of the Belus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Belus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Belus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen



Drivers

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RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

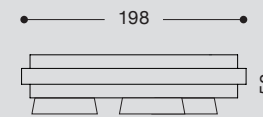
DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-06	350	5040	139	3x34,5	36,3	3000	85
	500	6993	131	3x35,5	53,1	3000	85
C-08	500	7420	146	3x33,8	50,7	3000	85
	700	10180	141	3x34,5	72,3	3000	85
	900	12840	135	3x35,1	94,8	3000	85
	1050	14770	132	3x35,6	112,2	3000	85
	1200	16600	128	3x36,1	130	3000	85



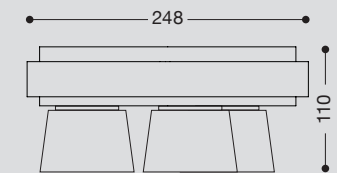


Belus 198



M222 HL.02

Belus 248



M224 HL.02

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M222 HL.02	C0433	25°	C-06
	C0533	36°	
	C0633	50°	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M224 HL.02	C1533	21°	C-08
	C1633	36°	
	C1733	56°	
	C1833	73°	
Xicato LED			
	code	angle	Data
	XL 33	21°	X-08
	XM 33	40°	
	XN 33	59°	

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-06	350	5040	139	3x34,5	36,3	3000	85
	500	6993	131	3x35,5	53,1	3000	85
	700	9429	123	3x36,6	76,8	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-08	500	7420	146	3x33,8	50,7	3000	85
	700	10180	141	3x34,5	72,3	3000	85
	900	12840	135	3x35,1	94,8	3000	85
	1050	14770	132	3x35,6	112,2	3000	85
	1200	16600	128	3x36,1	130	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
X-08	500	6090	130	3x31,2	46,8	3000	85
	700	7100	121	3x31,9	66,9	3000	85
	1050	11550	113	3x32,5	102,3	3000	85

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RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

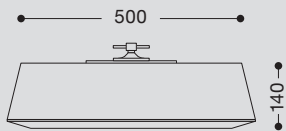
Belus

UK Methusalem fixtures of the Belus series, made of aluminium, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Belus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Belus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Belus 198

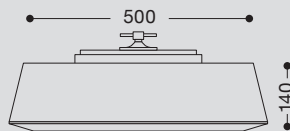


M222HL.03.C9833

Lm	mA	Beam Angle	W	K	CRI
5000	350	114°	36,3	3000	85



Belus 248



M224 HL.03.C9533

Lm	mA	Beam Angle	W	K	CRI
10000	700	114°	72,3	3000	85



Belus

UK Methusalem fixtures of the Belus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Belus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Belus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der Lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

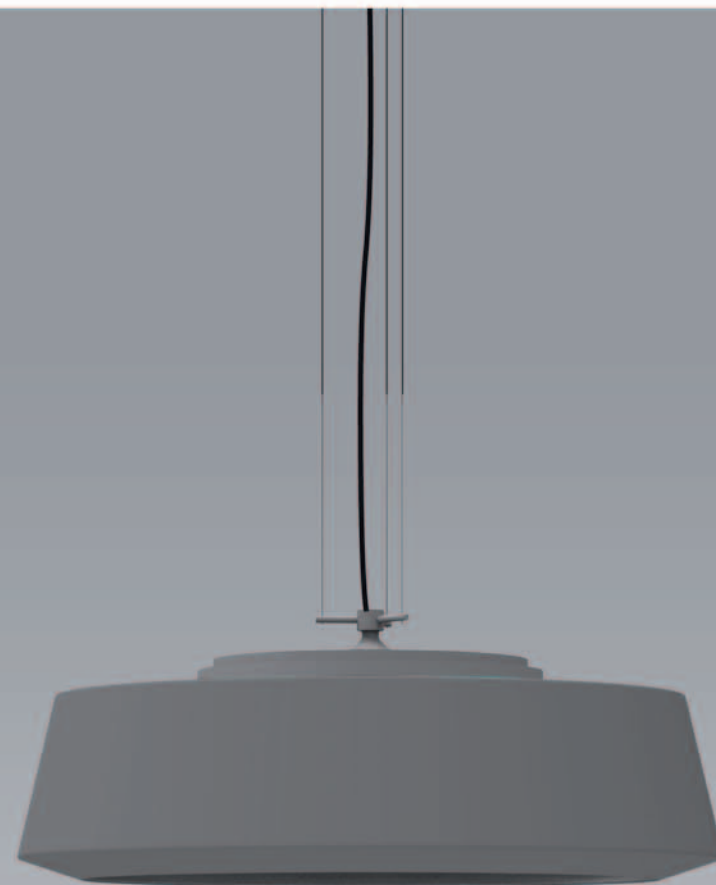
Design: Egbert Keen

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

Belus 248



M222HL.03.C9833	Ø 500	H 2000
M224HL.03.C9530	Ø 500	H 2000



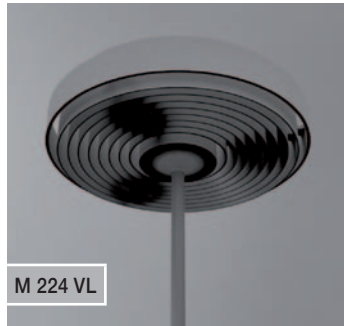
M224 VL.01.C9533 Ø 248 H 2000

M222 VL.01.C9833 Ø 200 H 2000



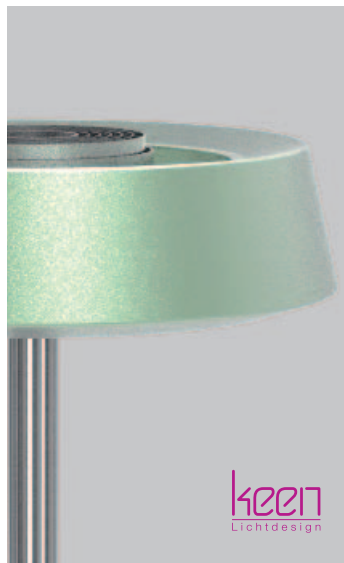
M 222 VL

Lm	mA	Beam Angle	W	K	CRI
5000	350	114°	36,3	3000	85



M 224 VL

Lm	mA	Beam Angle	W	K	CRI
10000	700	114°	72,3	3000	85



Belus

UK Methusalem fixtures of the Belus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Belus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

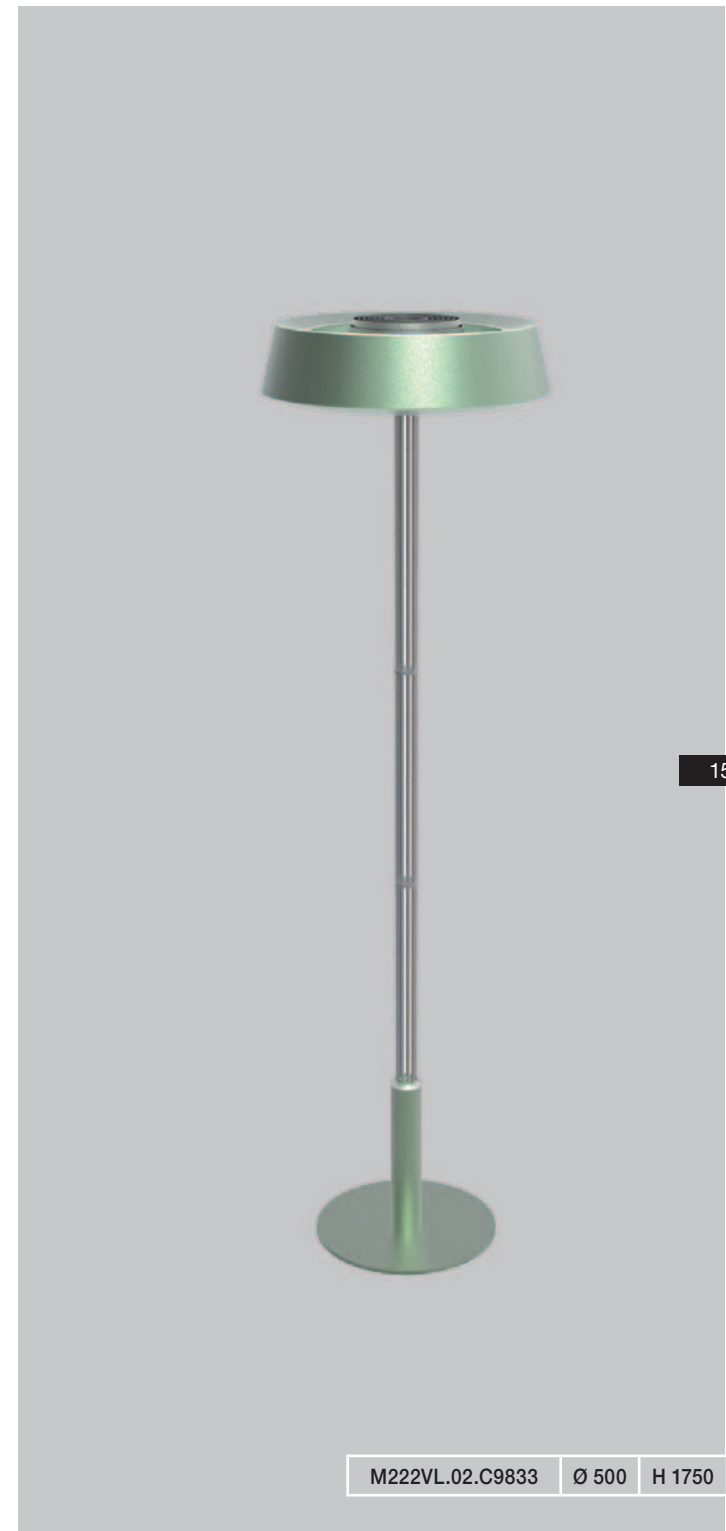
D Methusalem leuchten type Belus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

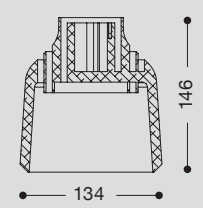
Methusalem



M222VL.02.C9833 Ø 500 H 1750

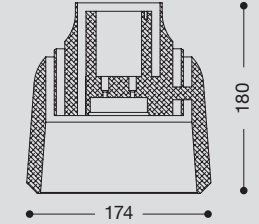


Agenor 134



M214 HL

Agenor 174

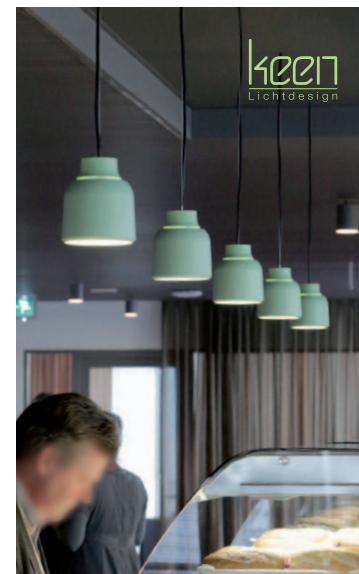


M216 HL



Type nr.		Citizen LED		
Photometric		Beam angle		
Type	code	Data		
M214 HL	C0730	21°	C-04	
	C0830	36°		
	C0930	56°		
	C1030	73°		
		Xicato LED		
	code	angle	Data	
	XE 30	21°		
	XF30	40°	X-04	
	XG30	59°		

Type nr.		Citizen LED		
Photometric		Beam angle		
Type	code	Data		
M216 HL	C1930	17°	C-09	
	C2030	25°		
	C2130	50°		
	C9430	114°		
		Xicato LED		
	code	angle	Data	
	XO 30	25°		
	XP 30	41°	X-09	
	XR 30	51°		



Agenor

UK Methusalem fixtures of the Agenor series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Agenor uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Agenor aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Drivers

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RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

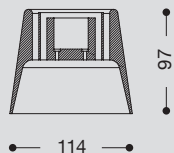
Methusalem

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-07	500	2474	146	33,8	16,9	3000	85
	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
X-07	500	2030	130	31,2	15,6	3000	85
	700	2700	121	31,9	22,3	3000	85
	1050	3850	113	32,5	34,1	3000	85

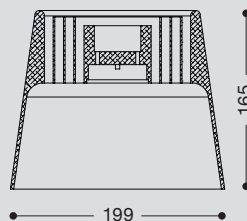
Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-09	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
	1200	5548	128	36,1	43,3	3000	85
	1400	6350	124	36,6	51,3	3000	85
X-09	500	2030	130	31,2	15,6	3000	85
	700	2700	121	31,9	22,3	3000	85
	1050	3850	113	32,5	34,1	3000	85
	1400	5000	107	33,5	46,8	3000	85

Abas 114



M210 HL

Abas 199



M212 HL

Abas

UK Methusalem fixtures of the Abas series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

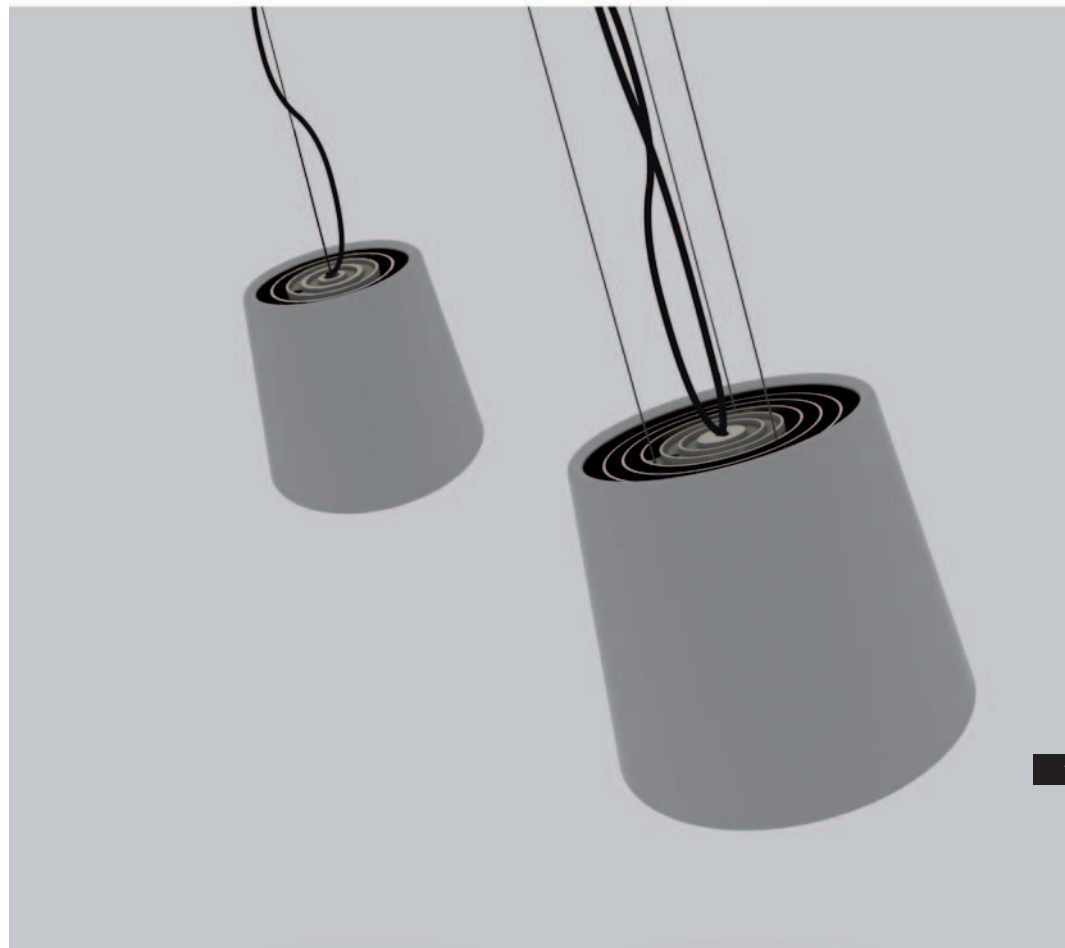
NL Methusalem armaturen type Abas uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Abas aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M210 HL	C4430	25°	C-02
	C4530	37°	
	C4630	50°	
Xicato LED			
	code	angle	Data
	XA 30	41°	X-02
	XB 30	56°	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M212 HL	C1930	17°	C-09
	C2030	25°	
	C2130	50°	
	C9430	114°	
Xicato LED			
	code	angle	Data
	XO 30	25°	X-09
	XP 30	41°	
	XR 30	51°	



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RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

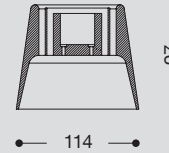
DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-02	250	1159	131	34,7	8,7	3000	85
	350	1577	126	35,6	12,5	3000	85
X-02	350	720	129	17,6	5,6	3000	85
	500	965	119	18,0	8,1	3000	85
	700	1300	111	18,4	11,7	3000	85
	500	2030	130	31,2	15,6	3000	85
C-09	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
	1200	5548	128	36,1	43,3	3000	85
X-09	1400	6350	124	36,6	51,3	3000	85
	700	2700	121	31,9	22,3	3000	85
	1050	3850	113	32,5	34,1	3000	85
	1400	5000	107	33,5	46,8	3000	85





Abas
114



M210

Lm	mA	Beam Angle	W	K	CRI
1500	350	114°	12,5	3000	85



M210 WL.01.C9830



M210 VL.01.C9830

M210 TL.01.C9830

Abas

UK Methusalem fixtures of the Abas series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Abas uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Abas aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

Keen
Lichtdesign



Minos

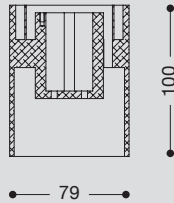
UK Methusalem fixtures of the Minos series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Minos uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Minos aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

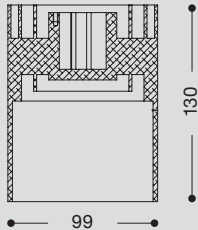
Design: Egbert Keen

Minos 79



M236 HL

Minos 99



M238 HL

Type nr.		Citizen LED		Type nr.		Citizen LED	
Photometric		Beam angle		Photometric		Beam angle	
Type	code	Data		Type	code	Data	
M236 HL	C4430	25°	C-03	M238 HL	C0730	21°	C-04
	C4530	36°			C0830	36°	
	C4630	50°			C0930	56°	
		Xicato LED				Xicato LED	
	code	angle	Data		code	angle	Data
	XC 30	41°	X-03		XE 30	21°	X-04
	XD 30	56°			XF30	40°	
					XG30	59°	

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-03	350	1577	126	35,6	12,5	3000	85
	500	2160	117	36,9	18,4	3000	85
C-04	350	1680	139	34,5	12,1	3000	85
	500	2331	131	35,5	17,7	3000	85
	700	3143	123	36,6	25,6	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
X-03	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85
X-04	500	1585	120	29,3	13,2	3000	85
	700	2100	111	29,8	18,9	3000	85
	1050	3000	103	30,7	29,3	3000	85

Drivers

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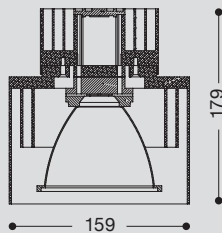
RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem





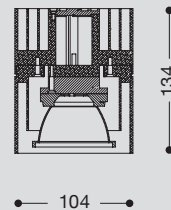
Rhesus 159



M244 HL

Type nr.		Citizen LED		
Photometric		Beam angle		Data
Type	code			
M244 HL	C1930	17°	C-09	
	C2030	25°		
	C2130	50°		
	C9430	114°		
		Xicato LED		
	code	angle	Data	
	XO 30	25°		
	XP 30	41°	X-09	
	XR 30	51°		

Rhesus 104



M242 HL

Type nr.		Citizen LED		
Photometric		Beam angle		Data
Type	code			
M242 HL	C0730	21°	C-07	
	C0830	36°		
	C0930	56°		
	C1030	73°		
		Xicato LED		
	code	angle	Data	
	XH 30	21°		
	XJ 30	40°	X-07	
	XK 30	59°		



DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-07	500	2474	146	33,8	16,9	3000	85
	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
X-07	500	2030	130	31,2	15,6	3000	85
	700	2700	121	31,9	22,3	3000	85
	1050	3850	113	32,5	34,1	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-09	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
	1200	5548	128	36,1	43,3	3000	85
	1400	6350	124	36,6	51,3	3000	85
X-09	500	2030	130	31,2	15,6	3000	85
	700	2700	121	31,9	22,3	3000	85
	1050	3850	113	32,5	34,1	3000	85
	1400	5000	107	33,5	46,8	3000	85

Drivers

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RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

Rhesus

UK Methusalem fixtures of the Rhesus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Rhesus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.



M243 HL.01.0500 Ø 150 H 2000

M243 HL.02.0500 Ø 247 H 2000



Rhesus

UK Methusalem fixtures of the Rhesus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Rhesus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

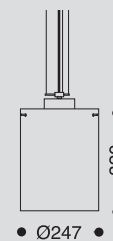
Design: Egbert Keen

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

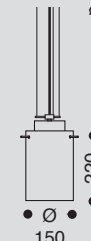
Methusalem

Rhesus 104



M243 HL 02.C1000

Rhesus 104



M243 HL 01.C1000

Lm	mA	Beam Angle	W	K	CRI
2450	500	114°	17	3000	85

Lm	mA	Beam Angle	W	K	CRI
2450	500	114°	17	3000	85



M243 WL.01.500 Ø 150 H 350 ↔ 350



M243 HL.03.0500 Ø 330 H 2000

M243 HL.04.0500 Ø 330 H 2000

keen
Lichtdesign

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

Lm	mA	Beam Angle	W	K	CRI
2450	500	114°	17	3000	85

Rhesus

UK Methusalem fixtures of the Rhesus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Rhesus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der Lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

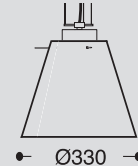


Rhesus 104



M245 HL 03.C1000

Rhesus 104



M245 HL 04.C1000



29





M245 WL.02.C1000 Ø 330 H 430 ↔ 370

keen
Lichtdesign



Lm	mA	Beam Angle	W	K	CRI
2450	500	114°	17	3000	85

Rhesus

UK Methusalem fixtures of the Rhesus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Rhesus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

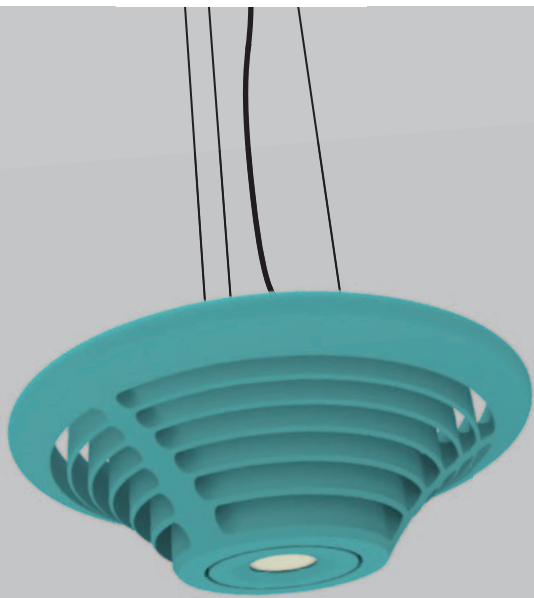


M245 VL.01.500 Ø 330 H 1850

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem



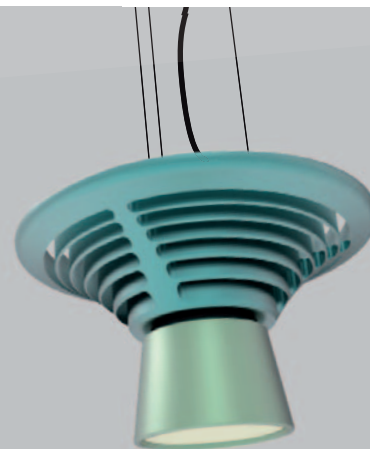
Bellona

UK Methusalem fixtures of the Bellona series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Bellona uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Bellona aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen



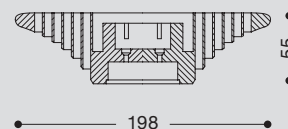
M228 HL.01



M228 HL.02

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M228 HL.00	C9630	114°	C-06

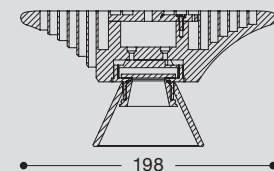
Bellona 198



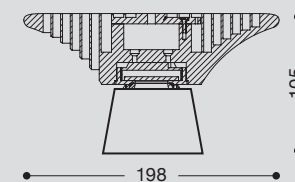
Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M228 HL.01	C0730	21°	C-04
	C0830	36°	
	C0930	56°	
	C1030	73°	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M228 HL.02	C9630	114°	C-06

Bellona 198



Bellona 198



M228 HL.01

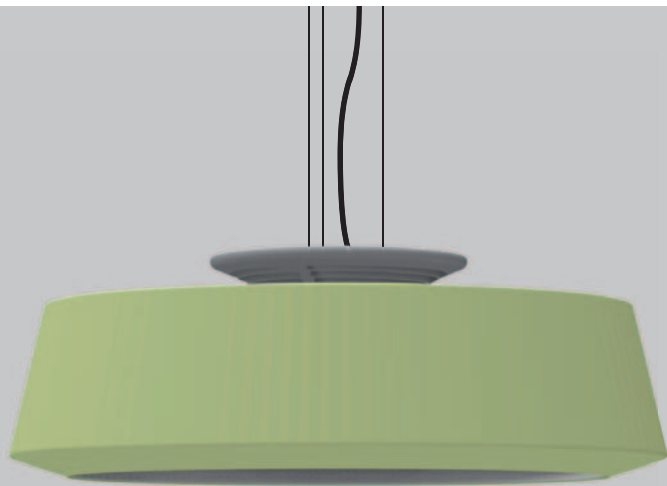
M228 HL.00

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-04	350	1680	139	34,5	12,1	3000	85
	500	2331	131	35,5	17,7	3000	85
	700	3143	123	36,6	25,6	3000	85
X-04	500	1585	120	29,3	13,2	3000	85
	700	2100	111	29,8	18,9	3000	85
	1050	3000	103	30,7	29,3	3000	85

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

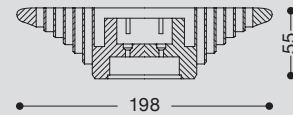
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M228 HL.03.C9630 Ø 500



Bellona 198



M228

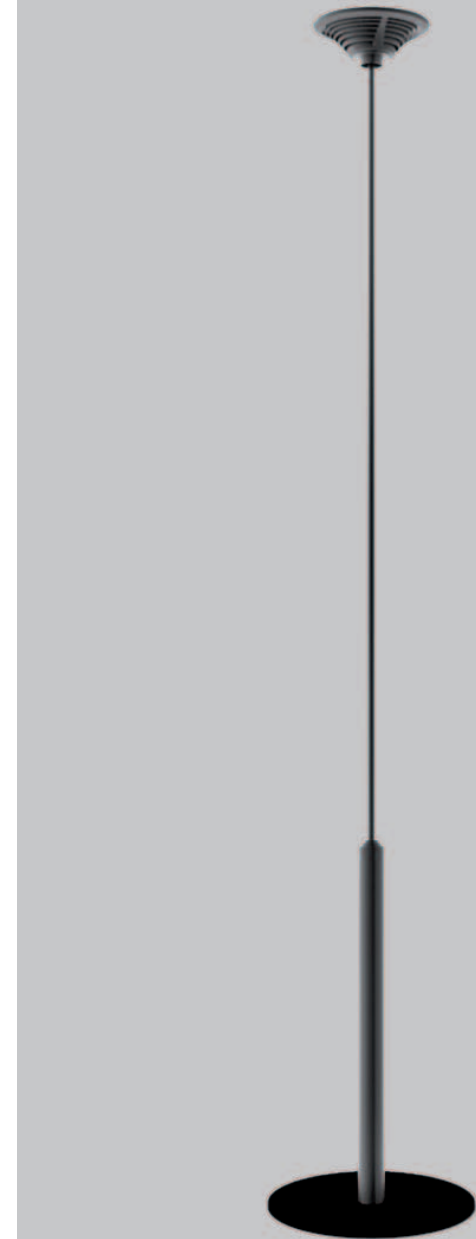
Bellona

UK Methusalem fixtures of the Bellona series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Bellona uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Bellona aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen



M228 VL.01.C9630 Ø 199 H 2000



M228 WL.01.C9630 Ø 199 H 220 ↔ 300

Lm	mA	Beam Angle	W	K	CRI
2300	500	114°	17,7	3000	85

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem



keen
Lichtdesign

Faunus

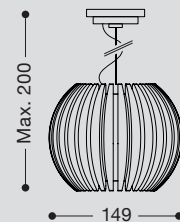
UK Methusalem fixtures of the Faunus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Faunus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Faunus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

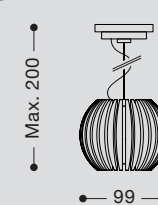
Design: Egbert Keen

Faunus 149



M232 HL

Faunus 99

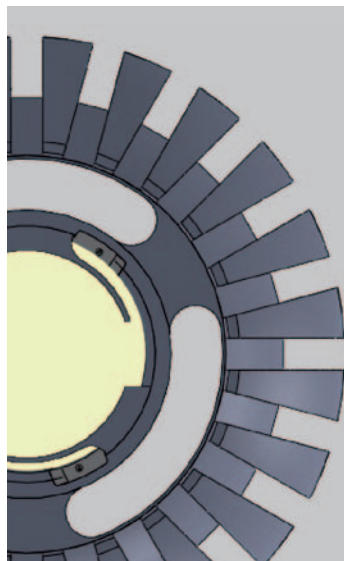


M230 HL

Type nr.		Citizen LED		Type nr.		Citizen LED	
Photometric		Beam angle		Photometric		Beam angle	
Type	code		Data	Type	code		Data
M232 HL	C4430	25°	C-03	M230 HL	C4430	25°	C-12
	C4530	36°			C4530	37°	
	C4630	50°			C4630	50°	
Xicato LED							
	code	angle	Data				
	XC 30	41°	X-03				
	XD 30	56°					
Lm	mA	Beam Angle	W	K	CRI		
2100	500	114°	18	3000	85		

37

DATA Matrix							
Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-12	250	1159	131	34,7	8,7	3000	85
C-03	350	1577	126	35,6	12,5	3000	85
	500	2160	117	36,9	18,4	3000	85
X-03	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85



Drivers

pag. 58-61

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

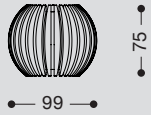
Methusalem



Driver inside

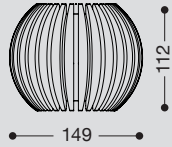
M232 WL.01.C9830 Ø 149 H 270 ↔ 275

Faunus
99



M230

Faunus
149



M232

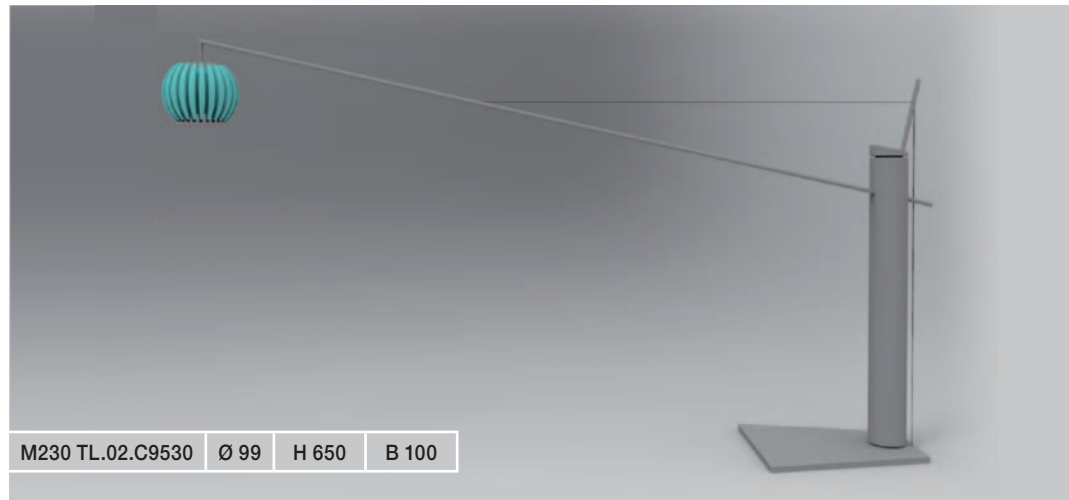
Lm	mA	Beam Angle	W	K	CRI
1500	350	114°	12,5	3000	85

Lm	mA	Beam Angle	W	K	CRI
2100	500	114°	18	3000	85

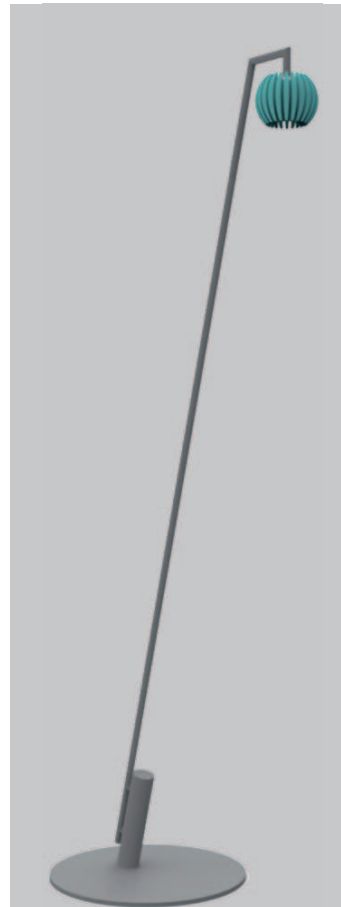
keen
Lichtdesign



M232 OA.01.C9530 Ø 149 H 320



M230 TL.02.C9530 Ø 99 H 650 B 100



M230 VL.02.C9530 Ø 99 H 1400



M230 VL.01.C9530 Ø 99 H 2000

M232 VL.01.C9530 Ø 149 H 2000

Faunus

UK Methusalem fixtures of the Faunus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Faunus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Faunus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Driver
inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem



M234 HL.01.C1000 Ø 159 H 2000

Driver inside

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

Latinus

UK Methusalem fixtures of the Latinus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Latinus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

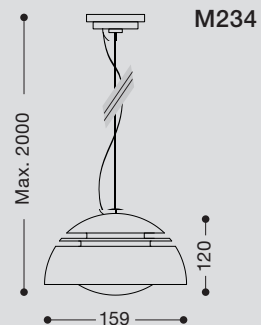
D Methusalem leuchten type Latinus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen



M234 WL.01.C9630 Ø 159 H 300

Lm	mA	Beam Angle	W	K	CRI
2330	500	114°	17,7	3000	85



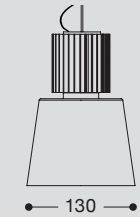
M234 TL.01.C9630 Ø 159 H 650



M234 VL.01.C9630 Ø 159 H 2000

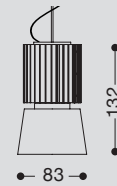


Numitor 130



M 252HL.02

Numitor 83



M 252HL.01

Type nr.		Citizen LED		Type nr.		Citizen LED	
Photometric		Beam angle		Photometric		Beam angle	
Type	code	Data		Type	code	Data	
M252HL.02	C0730	21°	C-04	M252HL.01	C4430	25°	C-03
	C0830	36°			C4530	36°	
	C0930	56°			C4630	50°	
	C1030	73°			Xicato LED		
	code				angle	Data	
	XE 30	21°	X-04		XC 30	41°	X-03
	XF30	40°			XD 30	56°	
	XG30	59°					

Numitor

UK Frozen Fins fixtures of the Numitor series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Frozen Fins armaturen type Numitor uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Frozen Fins leuchten type Numitor aus alu. Design-kühlkörper mit CLT label. Dadurch wird der Lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Drivers

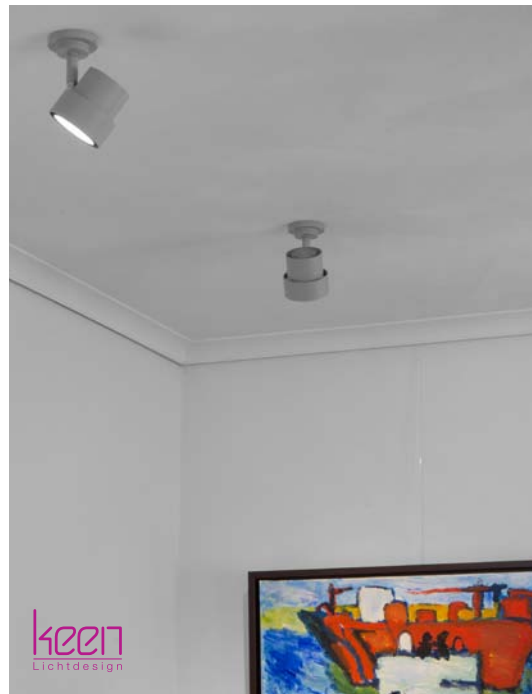
pag. 58-61

RAL	9005	
	9006	
Special	RAL	

frozen fins

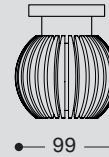
DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI	Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-04	350	1680	139	34,5	12,1	3000	85	C-03	350	1577	126	35,6	12,5	3000	85
	500	2331	131	35,5	17,7	3000	85		500	2160	117	36,9	18,4	3000	85
	700	3143	123	36,6	25,6	3000	85								
X-04	500	1585	120	29,3	13,2	3000	85	X-03	350	1105	119	29,3	9,3	3000	85
	700	2100	111	29,8	18,9	3000	85		500	1490	110	30,0	13,6	3000	85
	1050	3000	103	30,7	29,3	3000	85		700	2000	103	30,7	19,5	3000	85



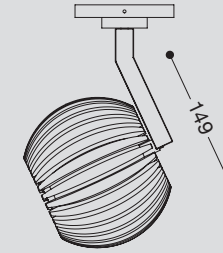


Faunus 99



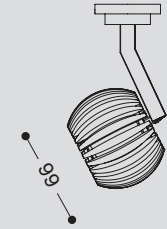
M230 OA

Faunus 149



M232 OS

Faunus 99



M230 OS

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M230 OA	C4430	25°	C-12
	C4530	36°	
	C4630	50°	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M232 OS	C4430	25°	C-03
	C4530	36°	
	C4630	50°	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M230 OS	C4430	25°	C-12
	C4530	36°	
	C4630	50°	

Xicato LED

code	angle	Data
XC 30	41°	X-03
XD 30	56°	

Faunus

UK Methusalem fixtures of the Faunus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Faunus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Faunus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-03	350	1577	126	35,6	12,5	3000	85
	500	2160	117	36,9	18,4	3000	85
C-12	250	1159	131	34,7	8,7	3000	85
	350	1105	119	29,3	9,3	3000	85
X-03	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85

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RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem





Numitor 403

M250 OS.03

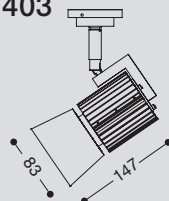


Numitor 703

M252 OS.03

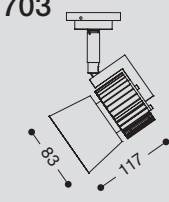
Numitor 403

M252 OS.03



Numitor 703

M250 OS.03



Type nr.		Citizen LED		Type nr.		Citizen LED	
Photometric		Beam angle		Photometric		Beam angle	
Type	code		Data	Type	code		Data
M250 OS.03	C4430	25°	C-02	M252 OS.03	C4430	25°	C-03
	C4530	36°			C4530	36°	
	C4630	50°			C4630	50°	
				Xicato LED			
	code	angle	Data		code	angle	Data
	XA 30	41°	X-02		XC 30	41°	X-03
	XB 30	56°			XD 30	56°	

Numitor

UK Frozen Fins fixtures of the Numitor series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Frozen Fins armaturen type Numitor uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Frozen Fins leuchten type Numitor aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Drivers pag. 58-61

RAL	9005	
	9006	
Special	RAL	

frozen fins

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-02	250	1159	131	34,7	8,7	3000	85
	350	1577	126	35,6	12,5	3000	85
C-03	350	1577	126	35,6	12,5	3000	85
	500	2160	117	36,9	18,4	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
X-02	350	720	129	17,6	5,6	3000	85
	500	965	119	18,0	8,1	3000	85
	700	1300	111	18,4	11,7	3000	85
X-03	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85



Minos 79



M236 OS

Minos 99



M238 OS



Minos Tellus

UK Methusalem fixtures made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten aus alu. Designkühlkörper mit CLT label. Dadurch wird der Lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Tellus 64



M246 OS

Tellus 79

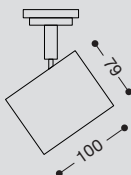


M248 OS

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M236 OS	C4430	25°	C-03
	C4530	36°	
	C4630	50°	
Xicato LED			
code	angle	Data	
XC 30	41°	X-03	
XD 30	56°		

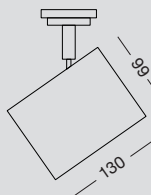
Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M238 OS	C0730	21°	C-04
	C0830	36°	
	C0930	56°	
	C1030	73°	
Xicato LED			
code	angle	Data	
XE 30	21°	X-04	
XF30	40°		
XG30	59°		

Minos 79



M 236 OS

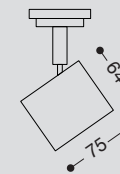
Minos 99



M 238 OS

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M246 OS	C4130	20°	C-01
	C4230	32°	
	C4330	43°	

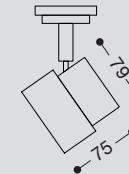
Tellus 64



M 264 OS

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M248 OS	C4430	25°	C-02
	C4530	36°	
	C4630	50°	

Tellus 79



M 248 OS

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-01	350	386	121	9,1	3,2	3000	85
	500	524	110	9,5	4,7	3000	85
C-03	350	1577	126	35,6	12,5	3000	85
	500	2160	117	36,9	18,4	3000	85
C-04	350	1680	139	34,5	12,1	3000	85
	500	2331	131	35,5	17,7	3000	85
	700	3143	123	36,6	25,6	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-02	250	1159	131	34,7	8,7	3000	85
	350	1577	126	35,6	12,5	3000	85
X-03	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85
X-04	500	1585	120	29,3	13,2	3000	85
	700	2100	111	29,8	18,9	3000	85
	1050	3000	103	30,7	29,3	3000	85

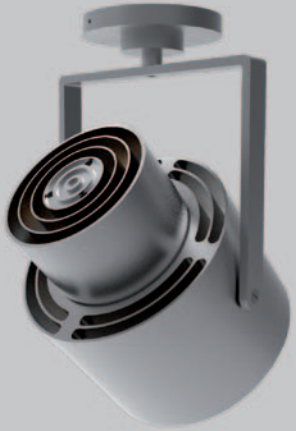
Drivers pag. 58-61

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem



Rhesus 159



Rhesus

UK Methusalem fixtures of the Rhesus series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Rhesus uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Rhesus 159



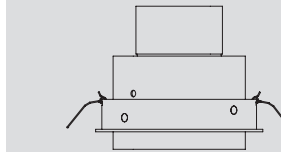
M244 RF



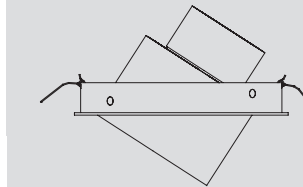
M244 DK

Drivers pag. 58-61

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL



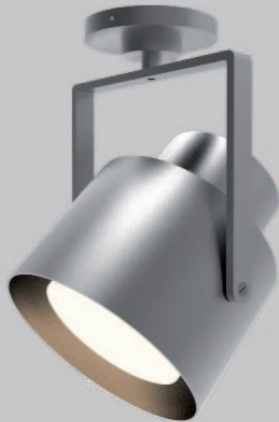
M244 RF
ø 187 mm H 96-148 mm



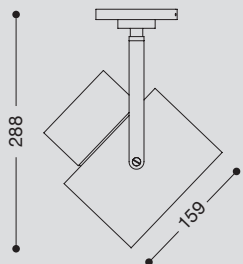
M244 DK
ø 243 mm H 130 mm

Methusalem

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M244 RF M244 DK	C0730	21°	C-07
	C0830	36°	
	C0930	56°	
	C1030	73°	
		Xicato LED	
	code	angle	Data
	XH 30	21°	X-07
	XJ 30	40°	
	XK 30	59°	



M244 OS



M244 OS



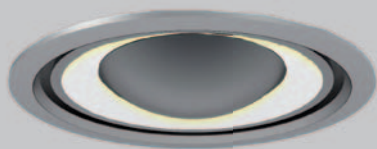
Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M244 OS	C1930	17°	C-09
	C2030	25°	
	C2130	50°	
	C9430	114°	
	code	angle	Data
	XO 30	25°	X-09
	XP 30	41°	
	XR 30	51°	

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-09	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
	1200	5548	128	36,1	43,3	3000	85
	1400	6350	124	36,6	51,3	3000	85
	X-09	500	2030	130	31,2	15,6	3000
700		2700	121	31,9	22,3	3000	85
1050		3850	113	32,5	34,1	3000	85
1400		5000	107	33,5	46,8	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-07	500	2474	146	33,8	16,9	3000	85
	700	3395	141	34,5	24,1	3000	85
	900	4281	135	35,1	31,6	3000	85
	1050	4924	132	35,6	37,4	3000	85
	X-07	500	2030	130	31,2	15,6	3000
700		2700	121	31,9	22,3	3000	85
1050		3850	113	32,5	34,1	3000	85

Latinus 159



M234 RF



M 234 RF
 ø 187 mm H 60 mm

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M234	C1000	114°	C-05

Recess

UK Methusalem fixtures of Recess series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Recess uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

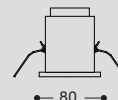
Design: Egbert Keen

Tellus 64



M246 RF

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M246 RF	C4130	20°	C-01
	C4230	32°	
	C4330	43°	



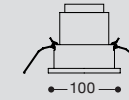
M 246 RF
 ø 65 mm H 75 mm

Tellus 79



M248 RF

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M248 RF	C4430	25°	C-12
	C4530	36°	
	C4630	50°	



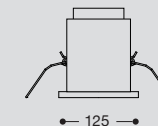
M 248 RF
 ø 80 mm H 75 mm

Minos 99



M238 RF

Type nr.		Xicato LED	
Photometric		Beam angle	
Type	code		Data
M238 RF	XE 30	21°	X-03
	XC30	41	
	XD30	56	



M 238 RF
 ø 100 mm H 75 mm

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-01	350	386	121	9,1	3,2	3000	85
	500	524	110	9,5	4,7	3000	85
X-03	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85
C-05	350	1680	139	34,5	12,1	3000	85
	500	2331	131	35,1	17,7	3000	85
C-12	250	1159	131	34,7	8,7	3000	85

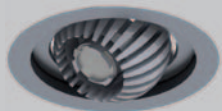
Drivers pag. 58-61

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

KEEN
 Lichtdesign

Faunus 99



M230 DK

Faunus 149



M232 DK

Recess

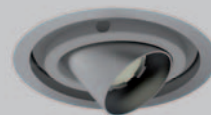
UK Methusalem fixtures of the Recess series, made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen type Recess uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten type Rhesus aus alu. Design-kühlkörper mit CLT label. Dadurch wird der lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Tellus 64



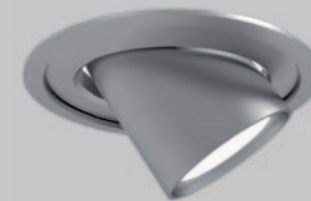
M246 DK

Minos 79



M236 DK

Minos 99



M238 DK

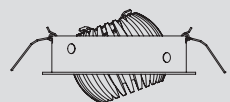
Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M230 DK	C4130	20°	C-12
	C4230	32°	
	C4330	43°	

Type nr.		Xicato LED	
Photometric		Beam angle	
Type	code		Data
M232 DK	XC 30	41°	X-03
	XD 30	56°	

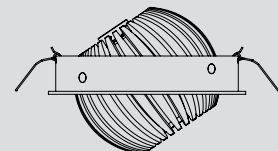
Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code		Data
M246 DK	C4130	25°	C-01
	C4230	36°	
	C4330	50°	

Type nr.		Xicato LED	
Photometric		Beam angle	
Type	code		Data
M236 DK	XC30	41°	X-13
	XD30	56°	

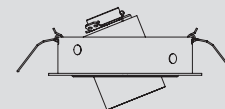
Type nr.		Xicato LED	
Photometric		Beam angle	
Type	code	angle	Data
M238 DK	XC30	41°	X-03
	XD30	56°	



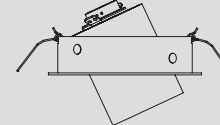
M230 DK
ø 137 mm H 65 mm



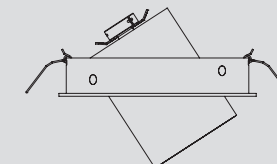
M232 DK
ø 187 mm H 86 mm



M246 DK
ø 137 mm H 68 mm



M236 DK
ø 137 mm H 77 mm



M238 DK
ø 187 mm H 88 mm

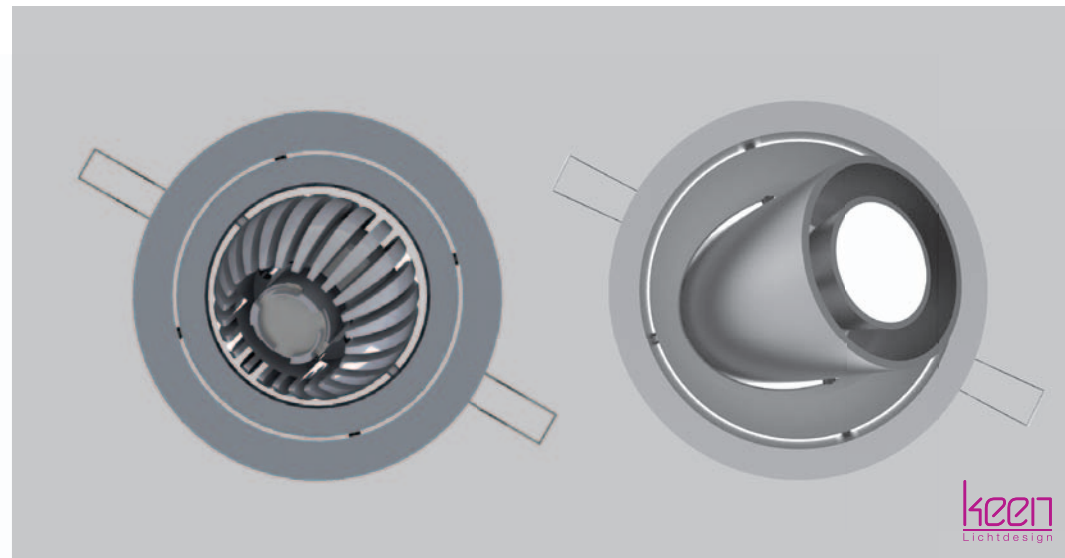
DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-01	500	524	110	9,5	4,7	3000	85
X-03	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85
C-12	250	1159	131	34,7	8,7	3000	85
X-13	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85

RAL 9018	
RAL 6034	
RAL 7037	
Special	RAL

Methusalem

Drivers pag. 58-61



Dido 60



M229 OA

Dido 61



M229 OG

Tellus 64



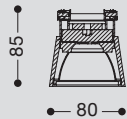
M246 OA

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M229 OA	C4130	20	
	C4230	C-01	32
	C4330	43	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M229 OG	C0000	114°	C-01

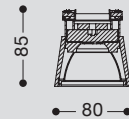
Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M246 OA	C4130	20°	
	C4230	32°	
	C4330	43°	

Dido 60



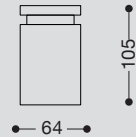
M 229 OA

Dido 61



M 229 OG

Tellus 64



M 246 OS

Add On

UK Methusalem fixtures made of aluminum, have the CLT label that guarantees the luminous flux, light color and lifespan.

NL Methusalem armaturen uit aluminium, voorzien van het CLT label dat garant staat voor behoud van lichtstroom, lichtkleur en levensduur.

D Methusalem leuchten aus alu. Designkühlkörper mit CLT-label. Dadurch wird der Lichtstrom, Lichtfarbe, und die Lebensdauer garantiert.

Design: Egbert Keen

Minos 79



M236 OA

Minos 99



M238 OA

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M236 OA	C4430	25°	
	C4530	C-03	36°
	C4630	50°	
Xicato LED			
	code	angle	Data
	XC 30	41°	X-03
	XD 30	56°	

Type nr.		Citizen LED	
Photometric		Beam angle	
Type	code	Data	
M238 OA	C0730	21°	
	C0830	36°	
	C0930	56°	
	C1030	73°	
Xicato LED			
	code	angle	Data
	XE 30	21°	X-04
	XF30	40°	
	XG30	59°	

DATA Matrix

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-01	350	386	121	9,1	3,2	3000	85
	500	524	110	9,5	4,7	3000	85
C-03	350	1577	126	35,6	12,5	3000	85
	500	2160	117	36,9	18,4	3000	85
X-03	350	1105	119	29,3	9,3	3000	85
	500	1490	110	30,0	13,6	3000	85
	700	2000	103	30,7	19,5	3000	85

Code	mA	Lm	Lm/W	Vf	W	K	CRI
C-04	350	1680	139	34,5	12,1	3000	85
	500	2331	131	35,5	17,7	3000	85
	700	3143	123	36,6	25,6	3000	85
X-04	500	1585	120	29,3	13,2	3000	85
	700	2100	111	29,8	18,9	3000	85
	1050	3000	103	30,7	29,3	3000	85

keen
Lichtdesign

Drivers pag. 58-61

RAL 9018

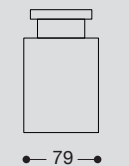
RAL 6034

RAL 7037

Special RAL

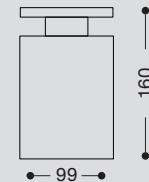
Methusalem

Minos 79



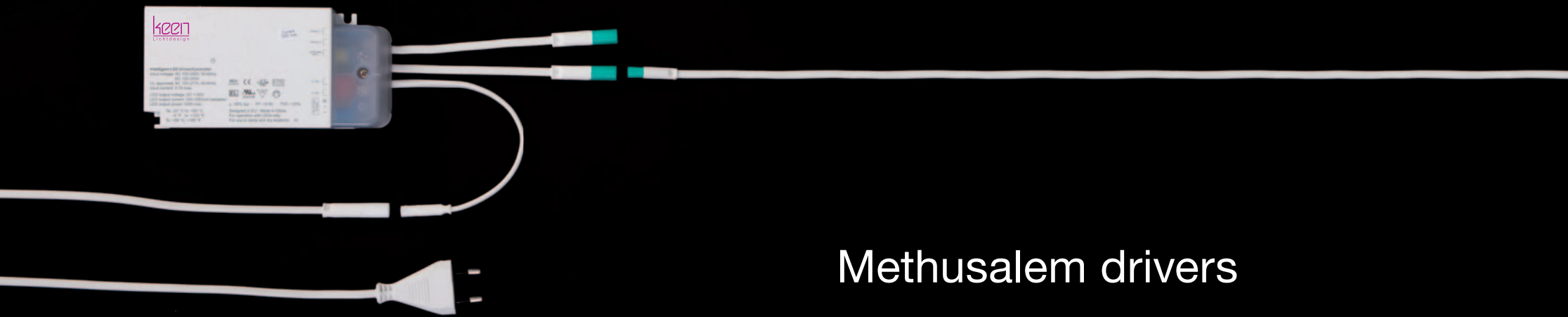
M 236 OS

Minos 99



M 238 OS





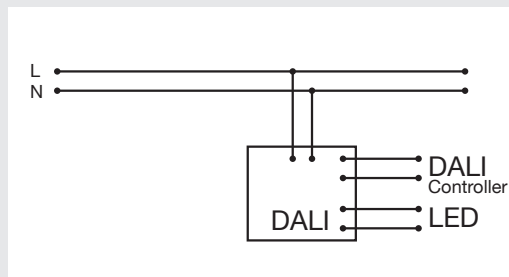
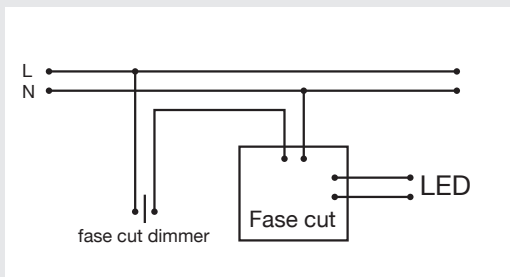
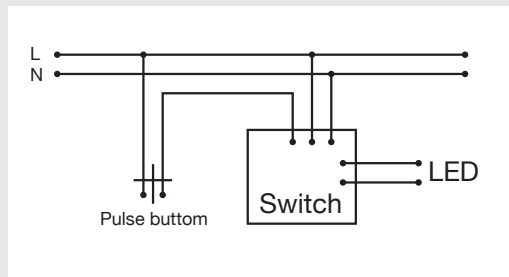
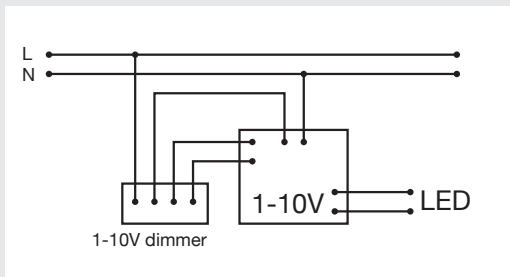
Methusalem drivers

Dimming of constant current LED drivers

UK Dimming of constant current drivers. For determining the correct driver you need to know the circuitry or the dimming system. There are a number of different dimming systems which all have their own way of wiring.
(see schedules below).

NL Voor het bepalen van de juiste driver moet het schakel- of dimsysteem bekend zijn. Er zijn verschillende dim sturing systemen met elk hun eigen bedradingswijze.
(zie schema's hieronder)

D Zur Bestimmung des benötigten Treibers muss die Art der Schaltung / Dimmung vom Projekt bekannt sein. Es gibt verschiedene Dim systemen, jede mit ihrer eigenen Verdrahtung Weise.



Important

UK In order to achieve the required light strength the current (mA) will determine the choice of the driver. The LED voltage (V_f) may not exceed the V_f value of the driver.

This also applies to the capacity (W) of the LED. More information is available in Fig. A on page 60-61

Belangrijk

NL Om de gewenste verlichtingssterkte bereiken is de stroom (mA) bepalend bij de keuze van de driver.

Daarbij mag de ledspanning (V_f) de V_f waarde van de driver niet overschrijden. Dit geldt ook voor het vermogen (W) van de led. Informatie vindt U in fig. A en op pag. 60-61

Wichtig

D Um die gewünschte Beleuchtungsstärke zu erreichen, ist die Steuerstrom entscheidend bei der wahl des Treiber.

Die Ledspannung (V_f) darf die V_f -Werte des Treibers nicht überschreiten. Dies gilt auch für die kapazität (W) der LED. Informationen finden Sie in der fig. A und auf Seite 60-61.

Fig. A

DATA Matrix							
Code	mA	Lm	Lm/W	V_f	W	K	CRI

Current
Stuurstroom
Stromstärke

↑

LED voltage
Ledspanning
Ledspannung

↑

Capacity
Vermogen
Kapazität

↑

Plug & Play Drivers – Non dimming							
Type	mA	Vf	W Max	Power factor	eff %	Range %	Dimension
DH-10-250 N	250	6-40	10	0,95	87		180x32x32
DH-10-350 N	350	6-28	10	0,95	87		180x32x32
DT-15-350 N	350	21-43	15	0,91	75		165x43x30
DT-20-350 N	350	25-57	20	0,95	86		102x51x30
DH-20-350 N	350	24-56	20	0,98	88		32x150x31
DM-25-350 N	350	42-72	25		85		145x38x22
DT-35-350 N	350	50-100	35	0,98	90		160x82x34
DH-10-500 N	500	6-18	10	0,91	85		30x97x43
DH-28-500 N	500	24-56	28	0,98	88		32x150x31
DT-20-500 N	500	18-40	20	0,95	86		102x51x30
DT-35-500 N	500	35-70	35	0,98	90		160x82x34
DT-15-700 N	700	10-21	15	0,91	70		165x43x30
DT-20-700 N	700	13-29	20	0,87	82		102x51x30
DT-30-700 N	700	21-43	30	0,95	80		165x43x30
DT-35-700 N	700	25-50	35	0,98	90		160x82x34
DT-60-700 N	700	47-85	60	0,98	91		160x82x34
Plug & Play Drivers - Dim 1-10V, PWM (Pulse)							
DH-15-270 P	270	12-58	15	0,98	83	5-100	180x32x32
DH-07-350 P	350	6-20	7	0,90		5-100	180x32x32
DT-10-350 P	350	14-28	10	0,95	90	10-100	102x51x30
DH-17-350 P	350	11-48	17	0,98	86	5-100	181x30x43
DM-25-350 P	350	6-54	25	0,95	85		105x68x23
DE-030-350 P	350	55	30	0,90	86	0-100	210x41x34
DE-050-350 P	350	2x60	50	0,90	86	0-100	153x76x31
DE-100-350 P	350	4x60	100	0,90	86	0-100	388x42x30
DH-22-450 P	450	11-48	22	0,98	86	5-100	180x32x32
DH-10-500 P	500	6-20	10	0,90	83	5-100	181x32x32
DH-24-500 P	500	11-48	24	0,98	86	5-100	141x30x43
DE-030-500 P	500	55	30	0,90	86	0-100	210x41x34
DM-40-500 P	500	2-80	40	0,90	85		124x82x23
DE-050-500 P	500	2x60	50	0,90	86	0-100	153x76x31
DM-60-500 P	500	2-90	60	0,90	85		124x82x23
DE-100-500 P	500	4x60	100	0,90	86	0-100	388x42x30
DH-14-700 P	700	6-20	14	0,90	83	5-100	181x32x32
DM-25-700 P	700	6-36	25	0,90	83		105x68x23
DH-33-700 P	700	11-48	33	0,98	86	5-100	181x32x32
DE-030-700 P	700	55	30	0,90	86	0-100	210x41x34
DE-050-700 P	700	2x60	50	0,90	86	0-100	153x76x31
DE-100-700 P	700	4x60	100	0,90	86	0-100	388x42x30

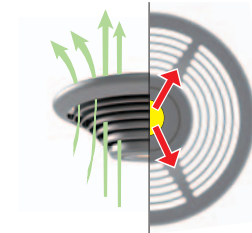
Plug & Play Drivers - Dim fase cut (leading & trailing edge)							
Type	mA	Vf	W Max	Power factor	eff %	Range %	Dimension
DH-15-260 F	260	30-58	15	0,95	78	3-100	141x30x43
DR-06-350 F	350	3-22	6	0,40	79		58x35x21
DT-10-350 F	350	14-28	10	0,95	90	10-100	102x51x30
DT-15-350 F	350	21-42	15	0,95	90	10-100	102x51x30
DH-18-350 F	350	30-52	18	0,95	83	3-100	141x30x43
DR-06-500 F	500	3-12	6	0,40	70		58x35x21
DT-10-500 F	500	10-20	10	0,95	90	10-100	102x51x30
DT-15-500 F	500	14-30	15	0,99	97	10-100	102x51x30
DH-20-500 F	500	20-40	20	0,95	83	3-100	141x30x43
DH-10-700 F	700	7-15	11	0,90	80	5-100	141x30x43
DT-14-700 F	700	10-21	14	0,99	97	5-100	102x51x30
DT-25-700 F	700	16-39	25	0,99	97	5-100	145x51x30
DH-33-700 F	700	28-47	33	0,98	85	5-100	180x32x32
Plug & Play Drivers - Dim DALI (Switch)							
DH-15-270 D	270	15-58	15	0,96	85	10-100	180x32x32
DH-07-350 D	350	6-20	7	0,90	82	1-100	180x32x32
DH-17-350 D	350	15-48	17	0,96	85	10-100	180x32x32
DE-030-350 D	350	55	30	0,90	86	0-100	210x41x34
DE-050-350 D	350	2x60	50	0,90	86	0-100	153x76x31
DE-100-350 D	350	4x20	100	0,90	86	0-100	388x42x30
DH-22-450 D	450	15-48	22	0,96	85	10-100	180x32x32
DH-10-500 D	500	6-20	10	0,90	80	1-100	180x32x32
DH-24-500 D	500	15-48	24	0,96	85	10-100	180x32x32
DE-030-500 D	500	55	30	0,90	86	0-100	210x41x34
DE-050-500 D	500	2x60	50	0,90	86	0-100	153x76x31
DE-100-500 D	500	4x60	100	0,90	86	0-100	388x42x30
DH-14-700 D	700	6-20	14	0,90	83	1-100	180x32x32
DH-30-700 D	700	15-43	30	0,96	85	5-100	180x32x32
DE-030-700 D	700	55	30	0,90	86	0-100	210x41x34
DE-050-700 D	700	2x60	50	0,90	86	0-100	153x76x31
DE-100-700 D	700	4x60	100	0,90	86	0-100	388x42x30

LF 0023.200

Primary connecting cable 2000 mm
Aansluitkabel primair 2000 mm
Anschlusskabel AC primair 2000 mm



The primary connecting cable needs to be ordered separately.
De primaire aansluitkabel dient separaat besteld te worden.
Primäranschlusskabel 240 V muss separat bestellt werden.



Cool Led Technology

Rectas
Methusalem

